PCB Remediation Report

Kent Memorial Library
50 North Main Street
Suffield, Connecticut

Town of Suffield

Suffield, Connecticut

April 18, 2019

Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project No. 20151259.A50

FUSS & O'NEILL

April 18, 2019

Mr. Chris Matejek
Facilities Manager
Town of Suffield
230C Mountain Rd.
Suffield, CT 06078

Re: PCB Remediation Report
Kent Memorial Library
50 North Main Street, Suffield, CT
Fuss & O'Neill Project No. 20151259.A50

Dear Mr. Matejek:

Enclosed please find the report for the PCB remediation project completed at Kent Memorial Library located at 50 North Main Street, Suffield, CT. This report has been prepared in accordance with our written scope of services dated April 18, 2018. The report summarizes the background of the project, the scope of work, the materials removed during the project, and the stages of remediation. Fuss & O'Neill conducted part time monitoring during the remediation project and performed PCB verification sampling of removed and encapsulated materials as well as testing for PCBs in air.

If you have any questions regarding the enclosed report, please do not hesitate to contact me at (860) 646-2469, extension 4701. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Robert L. May, Jr.
Senior Vice President

RLM/kr

Enclosure

146 Hartford Road
Manchester, CT
06040
t 860.646.2469
800.286.2469
f 860.533.5143

www.fando.com

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1 Introduction

Fuss & O'Neill, Inc. (Fuss & O'Neill) was retained to provide polychlorinated biphenyls (PCBs) remediation consulting services for Kent Memorial Library located at 50 North Main Street, Suffield, Connecticut (the Site). The work was conducted for the Town of Suffield (the Client).

An initial inspection of the Site was conducted by TRC Environmental Corporation (TRC) in November 2010. This pre-renovation inspection discovered the presence of PCBs at the site. TRC was retained to aid the Client with PCB remediation consulting services to facilitate clean-up of the Site prior to their planned renovation. The original approved PCB Risk Based Disposal Plan was prepared by TRC and is dated July 2015.

In July 2016, Fuss & O'Neill took over the project from TRC to further aid the Client in their goal to remediate PCBs at the site. Fuss & O'Neill developed Modifications to the Risk Based Disposal Approval Plan in accordance with 40 CFR § 761.61(c). This document was dated March 16, 2018 and was delivered to Ms. Kimberly N Tisa of the US Environmental Protection Agency.

The objective of this report is to summarize the history of PCB remediation at the Site prior to March 2018 and document the work completed at the Site since that date.

2 Site Background

The Kent Memorial Library was constructed in 1972. The building is a two-story structure with approximately 15,000 SF. The building has a basement level and first floor level which is split into three distinct tiered levels including a lower level, intermediate and upper level. The building has a centralized courtyard.

The building consists of library space with support space including office, work rooms, records rooms and an auditorium in the basement level. First floor levels include stack areas for books, videos, etc., and has a central circulation area. The existing building is a concrete frame structure which includes painted concrete columns and beams and a painted exposed coffered waffle ceiling and roof slab construction. Interior finishes consist of carpet over concrete floors, some wood floors and asbestos floor tile floors. Walls are painted brick, painted concrete block or painted concrete. Ceiling is painted and includes installed acoustic panels glued to underside of the waffle ceiling and roof slab at coffers.

The building has basement level heating ventilation and air conditioning (HVAC) systems located in a single mechanical room. The air distribution system is through concealed ducts including below floor slab ducts which are not accessible. Return air grates are present predominantly in the basement level. The building is an open plan where all rooms are connected with no full height ceilings. The exception is the basement level where office, work room, records room, meeting room, mechanical room and auditorium are individual rooms with full walls.

An addition was constructed from 2014 to 2015 to the East of the existing structure. The addition is a two-story entrance with lobby, elevator, stairway and second level restrooms. This structure is not the subject of this work plan. The new addition also has an independent HVAC system. Currently the

addition has been sealed from the main library structure with polyethylene sheeting with a single opening through the sheeting with a cover (flapped doorway).

2.1 TRC PCB Inspection

In November 2010, TRC conducted a hazardous materials inspection of Kent Memorial Library. A report entitled "Hazardous Building Materials Survey Kent Memorial Library, 50 North Main Street Suffield, Connecticut", dated November 2010, was delivered to the Client. In this report, TRC identified interior and exterior window and door caulking as PCB containing materials. Samples were analyzed using EPA method 8082/3540C. The concentrations of PCBs in the window and door caulking was found to range between 22,000 and 130,000 parts per million (ppm). Additional Samples of building seam caulk were collected in May 2015. The building seam caulk was categorized by TRC, sampled in November 2010, as an excluded product with a single sample result at 39 ppm. Two additional samples collected by TRC in June 2015 of the same material were found to contain 140 and 1700 ppm PCBs. The window glazing was assumed to contain PCBs Bulk Product Waste and was not sampled. For a summary of the PCB bulk samples collected by TRC in 2010 and 2015, please refer to **Table 1.**

On July 3, 2013, TRC performed pre-remediation characterization sampling to determine whether PCB caulking had contaminated the adjacent brick and concrete substrates. Samples were collected at 0 inches, 3 inches, and 6 inches in distance from the joints at three interior and three exterior locations. The results of this sampling are detailed in TRCs initial report titled "Report PCB Impacted Substrates and Surfaces Kent Memorial Library, 50 North Main Street, Suffield, Connecticut" dated November 2013. PCBs were detected in nine of the samples out to the 3" distance. Substrate samples for the windows were not performed as the window glazing were in contact with non-porous surfaces and planned for complete removal.

In July 2013, TRC collected soil/surface cover samples from the ground around the exterior of the building. Areas beneath the regulated PCB containing materials were selected and sampled to determine if PCBs had contaminated the soil around the building. PCB contamination of soil can either occur from water running off these materials and carrying PCBs down into the soil or by small fragments of the PCBs flaking off and ending up in the dirt below their application site. Analytical results of this testing indicated some PCB impact at areas beneath the PCB containing caulking. TRC recommended removal and disposal of portions of soil along with post-remediation soil verification sampling.

For TRC's tables, figures, and laboratory reports related to their PCB sampling events detailed in this section, please refer to their listed reports. The reports are included as Appendix B of TRCs Request of Approval of TSCA Risk Based Clean-Up of PCBs at Kent Memorial Library dated July 2015. This document is attached in *Appendix A* of this report.

2.1.1 Conclusions

The EPA requirements apply and require removal of PCBs once identified, regardless of project intent as an unauthorized use of PCBs. Therefore, if buildings are to remain for re-use and PCBs are identified, the EPA requires PCB material removal once it is determined that PCBs are present. In addition to identification of source materials containing PCBs, adjacent substrates need to be

characterized as well. If PCBs are present at concentrations greater than one part per million (>1ppm), additional sampling and analysis of adjacent surfaces in contact with PCB source material is required. Additionally, if a substrate like concrete, asphalt, or soil is adjacent to the PCB source material may have become contaminated from PCBs and the adjacent substrates must also be characterized.

EPA requirements apply only if PCBs are present in concentrations >1 ppm. Presently, PCB-containing materials at concentrations equal to or greater than (≥) 50 ppm, or equivalent units of milligrams per kilogram (mg/kg) are regulated by the EPA. Note materials containing PCBs less than (<) 50 ppm are regulated by Connecticut Department of Energy and Environmental Protection (CTDEEP) unless proven to be an "Excluded PCB Product". The definition of an Excluded PCB Product includes those products or source of the products containing <50 ppm PCBs that were legally manufactured, processed, distributed in commerce, or used before October 1, 1984.

TRC concluded PCB window caulking compounds with PCB ≥ 50 ppm PCBs must be disposed of as PCB bulk product waste in accordance with 40 CFR 761.62. PCB remediation waste (including porous concrete, brock, and granite) contaminated by the surrounding caulk is subject to the cleanup and disposal requirements of 40 CFR 761.61.

The Client requested TRC perform additional sampling of caulking compounds to create a detailed caulking compound substrate characterization and develop a remediation plan for the PCB containing window caulking compound.

2.2 TRC Risk Based Disposal Plan

The original approved Risk Based Disposal Plan was developed in July 2015 by TRC Environmental Corporation (TRC) to address the removal of PCB containing caulking compounds in the window and door systems. The materials planned to be removed contained concentrations of PCBs ≥ 50 parts ppm. As such, the caulking compounds of window and door systems were planned to be removed and disposed of as PCB Bulk Product Waste. The planned work was part of a renovation and addition project being conducted in 2014-2015.

The Plan included removal of adjacent porous surfaces or a combination of rigid encapsulation (new windows) and liquid encapsulation with a specialty coating product such as acrylic. The plan also included remediation of identified PCBs in soil.

Encapsulated porous surfaces were to be cleaned to meet required visual standards and wipe sampling criteria for established goals in Condition 17 of the Approval. Those surfaces were to meet a standard of ≤1 micrograms per centimeter squared (µg/100 cm^2). Indoor air sampling for PCBs was also required to ensure upon completion the building met established indoor air guidance of 200 nanograms per cubic meters (ng/m^3).

Following PCB remediation, post-verification sampling for porous substrates to remain was required as well as post-verification of soil following remediation of soil.

Disposal requirements included caulk and glazing compounds associated with windows and doors as PCB Bulk Product Waste. PCB contaminated soils were disposed of as PCB Remediation Waste.

Please refer to *Appendix A* for a copy of TRCs original Risk Based Clean-Up Plan dated July 2015.

2.3 Initial PCB Remediation Project

The initial remediation project began in November 2015 after EPA Approval of TRC's Risk Based Clean-Up Plan. The selected asbestos abatement and PCB Remediation Contractor was Haz-Pros of Simsbury, CT. Oversight and confirmatory testing was conducted on behalf of the Town of Suffield by TRC. All abatement work and construction field work was completed by March 2016. As part of the final documentation and verification, wipe and indoor air sampling was required in accordance with Conditions 15 and 17 of the plan. Results identified exceedances of the established plan objectives.

The original PCB Remediation Project included the following work:

- Removal of all window systems (i.e., PCB caulk $\geq$ 1 ppm, including window frames, glass, glazing compounds, and associated brick to a minimum distance of 9 inches from the caulk joint), and disposal as PCB bulk Product waste in accordance with 40 CFR § 761.62(a). Status; field work complete in March 2016 including post-verification sampling.

- Condition 17, conduct indoor surface wipe sampling to document the effectiveness of the containments during abatement work for un-encapsulated surfaces. Surface interior wipe sampling was completed between June and November 2015. Status; complete.

- Encapsulate PCB-contaminated porous surfaces (i.e., structural concrete, granite) with (Sikagard 670W Clear water-based 100% acrylic coating following removal of caulk. Status; field work complete in March 2016.

- Collect wipe samples from the encapsulated surfaces to confirm effectiveness of encapsulation as Condition 15 of the Approval. Initial wipe samples collected in November, 2015, December 2015 and February 2016. **Failures were identified in November 2015 without subsequent re-testing.**

- Removal of PCB remediation waste with $\geq$1 ppm PCBs (i.e., soil, and brick surfaces within five feet of foundation to a depth of one foot below soil surface and disposal in accordance with 40 CFR § 761.61(a)(5)(i)(B) (2)(iii). Status; field work complete in March 2016 including verification sampling.

- Conduct post-verification sampling of bulk PCB remediation waste (i.e., remaining soil) in accordance with 40 CFR § 761.61 Subpart O to confirm the PCB concentrations are $\leq$ 1 ppm. Status; field work completed in June 2015 and December 2015. In total 49 post soil samples collected and all $\leq$ 1ppm.

- Condition 17, conduct indoor air sampling to document the effectiveness of the remediation work. Indoor air sampling conducted in December 2015 and March 2016. **Samples failed to meet indoor air guidance of 200 ng/m^3.**

For a more detailed account of work TRC performed at the Site, please refer to Fuss & O'Neill's Risk-Based PCB Cleanup and Disposal Plan Modification No. 2 dated March 16, 2018 (*Appendix B)*. This document summarizes the work TRC performed at the site during this phase of the project and includes the laboratory analytical results.

2.4 TRC Supplemental PCB Characterization Sampling

This failure of the indoor air samples to meet the standards established in Condition 17 of the Approval, prompted the Town of Suffield to conduct an expansion of Site characterization. TRC conducted supplemental sampling of potential PCB products within the building interior. We understand EPA was not contacted initially prior to testing performed in 2016.

The following sampling events were conducted:

- April 13, 2016 – Samples 1-7 were collected of sealants on floor surfaces
- April 14, 2016 – Samples 8-13 were collected of sealants on floor surfaces
- April 15, 2016 – Samples 14-16 were collected of sealants on floor surfaces
- May 2, 2016 – Samples 1-22 were collected of sealants, paints, building products and vacuum samples of dust.
- May 16, 2016 – Samples 1-4 were collected of bare concrete/sealant on concrete ceiling in mechanical room.

Refer to **Table 2** for a summary of bulk samples collected of various building materials for PCBs in 2016.

2.5 Transition to Fuss & O'Neill

The failure of the indoor air samples and supplemental Site characterization performed by TRC prompted the Town of Suffield to seek additional consulting services. Please refer to **Table 3** for a summary of PCB Indoor Air Samples. Refer to *Appendix C* for analytical results of samples taken in December 2015 and *Appendix D* for analytical results of samples taken in March 2016.

In July of 2016, the Town of Suffield engaged Fuss & O'Neill to assist in developing a remediation approach based on the newly discovered materials and to determine likely causes of elevated PCBs within indoor air.

Fuss & O'Neill reviewed the results of testing conducted by TRC. The Town of Suffield had some of the materials containing sealants with PCBs removed prior to Fuss & O'Neill's involvement in the project. These included removal of brick from ramps and several lower level rooms as part of the renovation work. Brick and mortar was removed in its entirety for disposal as PCB Bulk Product waste.

Fuss & O'Neill identified to the Town of Suffield that regardless of indoor air concentrations, any identified PCBs above regulatory thresholds would need to be addressed as a use not authorized.

Testing identified one material type exceeding 50 ppm in some locations sampled in paints/sealants on concrete ceilings. Several building materials and products also contain PCBs ≥1 ppm which are considered original source materials installed prior to 1984 and meet the definition of an "Excluded PCB Product". These materials are classified as PCB Waste for disposal as required by CTDEEP.

3 Pilot Projects

This section provides a summary of the performance of several pilot projects and test patches for various abatement and remediation techniques. As noted, the identification of elevated indoor air samples and a determination of additional interior building materials that contained PCBs led the Town of Suffield to retain Fuss & O'Neill. The Town of Suffield engaged Fuss & O'Neill to assist in developing a remediation approach based on the newly discovered materials and to determine likely causes of elevated PCBs within indoor air above project goals.

3.1 Material Isolation Pilot Project

A pilot project was designed to conduct isolation of building products containing PCBs. The project was performed in four representative locations within the building in November of 2016. The intent of the pilot was to identify if the surfaces with PCB products tested by TRC were off gassing and which sources were potentially contributing the most to indoor PCB air concentrations. A summary is as follows:

- A pilot project was recommended to conduct air sampling within several rooms as a pilot project. The pilot project included plan to isolate all surfaces where known or potential PCBs were identified in four locations through supplemental testing of building materials and sealants. Intent was to determine the likely contributing materials to PCBs within indoor air by testing air with surfaces isolated.
- Prior to conducting the pilot project it was recommended that HVAC systems be balanced.
- Cleaning of systems occurred during renovation project in 2015.
- The Town of Suffield completed six rounds of air balancing of the existing HVAC systems within the building between May 2015 and September 21, 2016. An application for a modification was submitted to the State of Connecticut Building Inspector due to existing conditions and was accepted on October 14, 2016.
- Baseline indoor air samples were collected on November 14, 2016 within four proposed pilot rooms and one immediately adjacent room after balancing the HVAC system and running for a period of 48-72 hours.
- The building remained unoccupied since the renovations and the systems were adjusted to include minimal fresh air make-up demands to simulate occupant loading within the building.
- After baseline air sampling four locations were selected where prior air sampling was elevated and conditions of known PCBs materials noted were isolated. A contractor isolated with individual layers of polyethylene sheeting all walls, floors and ceilings as independent containments from November 14 -15 2016. Air systems were running to the enclosed rooms.
- Individual air samples were collected on November 17, 2016 from the areas isolated to include one ceiling, one floor and two walls as well as ambient room in each of four locations.

Wipe samples were also collected during the pilot prior to setting up isolation barriers to document the pre-existing PCB content on any settled dust. In total 21 samples including blanks were submitted to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts. The chain of custody indicates samples to be analyzed by EPA Method 8082 with Soxhlet Extraction using method 3540C. None of the collected wipe samples had a result exceeding the standard of ≤1 µg/100 cm^2. Laboratory analysis results including chain of custody and field diagrams are included in *Appendix E*.

The conclusions were that the paint/sealant surfaces identified the most significant PCB concentrations contributing to the indoor air. Also that both the ceilings (known elevated PCB content) and the walls (PCB content is not known) afford highest contributions to indoor air.

Fuss & O'Neill confirmed that the exterior fresh air intake was not a contributing factor by measuring the air intake duct in-line. The ducted supply system includes filtered return air so the air within the rooms includes make-up air from surrounding uncontained and isolated rooms. However, the supply to the isolated rooms were generally lower than the pre-abatement concentrations indicative of the fact the ducts themselves are less likely to be a contributing factor to the indoor air concentrations. Refer to **Table 4** for a summary of the pilot project surface isolation indoor air sampling results. The table includes both pre-isolation and results of each area isolated including an ambient room sample with all surfaces isolated with polyethylene sheeting. Note HVAC systems were running during both pre during isolation wok. Laboratory analysis results, chain of custody, and field sample location diagrams are provided in *Appendix F* including field diagrams for sample locations.

It was our conclusion that once the sources in paint on walls and ceilings were addressed the air samples should be substantially reduced to likely below the project standard set of 200 ng/m^3.

3.1.1 Test Patches for Remediation

The Town of Suffield retained several entities to conduct various demonstrations of abatement techniques to remove paint from the ceiling surfaces where PCBs are >50 ppm from April 2017 through November 2017. Abatement methods included use of scraping and grinding techniques as well as complete removal of all paints and sealants utilizing abrasive blasting. The test patches also afforded the Town of Suffield an opportunity to review cost considerations for the various abatement techniques. Work was performed within a negative pressure enclosure by an abatement subcontractor hired by the Town of Suffield.

Two types of abrasive blast media were utilized. The most effective media included use of black beauty to remove paint but left surface rough. This method succeeded in removing all paint including the majority present in pores of the concrete. A confirmatory sample of the test patch areas was conducted by Fuss & O'Neill in November 2017 and results were non-detect for PCBs. Refer to *Appendix G* for laboratory result of concrete following abrasive blast removal of paint. This method was very costly and represented three times higher cost than manual scraping.

Above use of manual scraping and limited rotary sanding techniques resulted in the majority of paint removed from surfaces. Surfaces were then coated with various sealant coatings products to confirm proper adhesion. The use of the manual scraping was effective at removing paint from more than 95% of the surfaces. Only visible paint remained in pores of the concrete as can be observed above. This method was one third the cost of abrasive blasting including the use of a sealant coat on surface.

3.1.2 Test Patches for Encapsulation Products

The Town of Suffield also had manufacturers provide test patches for several encapsulant products from December 2017 through February 2018. These were utilized on painted wall surfaces to confirm adhesion in other areas without removing paint since for the walls the PCB content of paint is unknown. The Town selected products as manufactured by PPG Paints as follows for use on Remedial Pilot Project.

PPG Paints:

- First Coat: PPG Paints Amerlock Sealer @ 1-2mils DFT*
- Second Coat: PPG Paints Amerlock 2 Epoxy @ 4-8 mils DFT
- Third Coat: PPG Paints Amerlock 2 Epoxy @ 4-8 mils DFT

*DFT – Dry Film Thickness

Encapsulants were proposed for use to encapsulate abated ceiling surfaces using manual methods to remove paint and for unabated wall surfaces and mechanical room ceilings. A test patch was conducted on February 8, 2018 in an area where paints were removed. Refer to *Appendix H* for Post Encapsulation wipe sample results from two locations. Results were below the standard of ≤1 µg/100 cm² for encapsulated surfaces based on Condition 15 of the Approval.

3.2 Remedial Pilot Project

Fuss & O'Neill contacted EPA initially in December of 2016 to discuss development of a plan for additional remediation as a Modification. In addition Fuss & O'Neill requested a Site meeting with EPA and Connecticut Department of Energy & Environmental Protection (CTDEEP) to review site

conditions and intentions to complete additional remediation based on the findings above and pilot studies performed in 2016. A meeting was held at the Site on April 5, 2017. A summary of the meeting was prepared and sent to the agencies on April 12, 2017.

The Town of Suffield retained an abatement sub-contractor through limited competitive bidding to conduct a pilot project to perform remediation work in representative locations. The pilot project was conducted beginning on November 11, 2017. The intent of the pilot project was to perform the abatement and remediation as discussed with EPA and CTDEEP and agreed to as an acceptable approach pending submission of a formal Modification. The effectiveness of the methods was to be demonstrated through sampling.

The following images were collected after the manual removal of all paint from ceiling substrates within the Multi-Purpose Room.

The following images identify the appearance of encapsulated ceiling surfaces using one primer sealer and two finish coats of PPG coatings products.

A summary of the various aspects of the pilot project follow:

3.2.1 Preparations Prior to Abatement

The following represent the preparations required to facilitate the required work which were performed:

- The building was vacant and remained vacant through the abatement and remediation process.
- All books, magazines, chronicles, audio and video media, and soft sided furniture was removed and placed in the temporary library location or storage.
- Town of Suffield demolished and disposed of cabinetry in the Multi-Purpose Room.
- Town of Suffield conducted work to make safe, lock out and tag out, and removed or lowered mechanical and electrical systems and conduit within work area to facilitate mechanical removal of paint. Care was taken to protect such from damage during work including wrapping as necessary.
- Contractor was required to protect sprinkler heads as necessary within work area.
- A limited isolation barrier of 6-mil polyethylene sheeting was installed between Multi-purpose Room and adjacent Hallway and Auditorium.
- The HVAC system in the building includes return air from the building where work was not to be performed. The work area could not be isolated from other areas of the building in terms of HVAC systems. The intent was to perform the work without any influence of the existing HVAC systems
- Town of Suffield shut down the HVAC systems for a period of not less than 48 hours prior to conducting base-line indoor air samples for PCBs.
- After 48 hours, Fuss & O'Neill conducted pre-abatement baseline air sampling within the work area and an adjacent space. These air samples were to represent the ambient environment with no HVAC influence prior to conducting any remedial work.
- The work area containment was then fully established to provide asbestos regulated negative air pressure containment including 6-mil polyethylene sheeting as critical barriers at all HVAC systems and other openings.

3.2.2 Pilot Project Remediation and Abatement

The following represent the work which was performed:

- **Upper Level South** – the Contractor conducted removal of polyurethane coating from wood parquet flooring from an area of 1 SF. Work was conducted in containment to capture all dust and debris. Contractor utilized sanding tools to fully remove coatings and sealants to bare wood. Care was taken to minimize damage to wood with methods that collected fugitive dust and debris in HEPA vacuum. Surfaces were then washed down upon completion including all containment barriers.

- **Lower Level Multi-Purpose Room** – Some of the materials to be removed contained both PCBs and asbestos. The following work was performed.

    - Removed existing 2' x 2' acoustic ceiling tile which contains CTDEEP regulated PCBs <50 ppm.

- Removed existing asbestos containing ceiling tile glue daubs which also contain CTDEEP regulated PCBs <50 ppm and asbestos.
- Removed existing cove base and mastic which are not asbestos but contain CTDEEP regulated PCBs < 50 ppm.
- Removed existing asbestos containing 12" x 12" floor tile and associated asbestos containing mastic adhesive which also contains CTDEEP regulated PCBs < 50 ppm.
- Final cleaned asbestos work area. Sequence of work included removal, final visual inspection and final air clearance of work area for asbestos. Once air clearances were acceptable for re-occupancy, the balance of PCB work was completed.
- Contractor utilized manual scraping and limited use of rotary grinders to remove paint from all ceiling surfaces associated with coffered (waffle) slab construction. This included all faces of coffers and flat faces and beams etc. Materials did not contain asbestos but contain PCBs >50 ppm based on limited testing and were disposed of as PCB Bulk Product Waste.
- Contractor completely cleaned work area following work prior to PCB encapsulation.
- Contractor conducted surface preparations on all walls and ceiling surfaces as required by encapsulant manufacturer PPG Paints.
- Contractor encapsulated all walls and cleaned ceiling surfaces with one primer sealer coat and two coats PPG Paint products.
- Contractor then final cleaned work area, removed critical barriers at HVAC system components and surfaces within room.
- Contractor left barriers which segregated work area from adjacent hallway and Auditorium.

- **Lower Level Work Room At Dumbwaiter** – Contractor conducted cleaning within interior mechanical space of dumbwaiter to remove all oils from concrete surface. Use steam cleaning as appropriate. PCB content of PCB Remedial Waste surfaces was < 50 ppm (21 ppm).

3.3 Remedial Pilot Project Testing

Fuss & O'Neill conducted air sampling, post-verification wipe sampling, and post-verification bulk sampling analysis to confirm the effectiveness of the abatement techniques employed.

3.3.1 Indoor Air Sampling

Testing of indoor air was performed at two time frames within the Multi-purpose Room as well as the adjacent Auditorium where no work was to be performed during pilot project. Initial air samples as baseline samples were collected 48 hours after room was isolated and HVAC system turned off. Samples were collected on November 10, 2017. Post abatement and encapsulation samples were collected on December 9, 2017. Indoor air samples were collected and sent to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts. Samples were analyzed using method TO-10A EPA Method 680 Modified as homologs.

Please refer to **Table 5** summarizing pilot remediation indoor air sample results. Refer to *Appendix I* for laboratory analysis results and chain of custody forms for the November 2017 samples.

The results of indoor air sampling confirm that with the surfaces within the room abated utilizing methods selected in the pilot, the indoor air concentrations were reduced to non-detected. Though a limited pilot project, the methodology has been demonstrated to achieve the original goal in Multi-Purpose Room of ≤ 200 ng/m³.

3.3.2 Post-verification Bulk Sampling

Post-verification sampling of wood floors after sealant removed was also conducted on December 9, 2017. A single sample was collected as a core sample of surface to half inch depth and results confirmed floor to be < 1 ppm (0.57 ppm). In addition following the removal of oil staining from concrete within the dumb waiter on concrete floor surfaces, three post-verification concrete core samples were collected of surface to half inch depth. All three samples detected no PCBs. Sample analysis performed at Con-Test Analytical Laboratory in East Longmeadow, Massachusetts. Samples were analyzed using extraction method 3540C and analysis method SW-846 8082.

Refer to *Appendix J* for laboratory analysis results and chain of custody forms.

3.4 Post-Verification Wipe Sampling Encapsulated Surfaces

Post-verification sampling of encapsulated surfaces was initially performed by TRC for interior and exterior encapsulated surfaces as required in Condition 15 of the Approval. Initial wipe samples were collected in December 2015 and February 2016. Refer to **Table 6** for TRC collected samples. In 2016 all results were ≤1 µg/100 cm² for representative samples collected on encapsulated porous surfaces with few exceptions. Note this required multiple applications of acrylic sealants in some cases to obtain passing results. The reporting limit for analytical data was 1.0 µg/100 cm². Refer to *Appendix K* for the laboratory analytical results.

Fuss & O'Neill recommended that in order to comply with the requirements of Condition 20 of the Approval for a Monitoring and Maintenance Implementation Plan (MMIP), that the post-verification wipe sampling performed in 2016 be repeated in 2018 since no MMIP had been submitted or approved by EPA. The intention was to confirm the effectiveness of encapsulation work by the Contractor in 2016 and that the products utilized are in fact performing as designed to prevent migration of PCBs.

On January 4, 2018, Fuss & O'Neill repeated the post-verification wipe samples. In total 25 samples were collected which included samples 1-17 for interior encapsulated surfaces and samples 18-25 as exterior encapsulated surfaces. With the exception of one sample location all interior wipe samples met required standard of ≤1 µg/100 cm² for encapsulated porous surfaces with a laboratory reporting limit of 0.20 µg/100 cm². Most all samples for the exterior failed to meet the required standard of ≤1 µg/100 cm² for encapsulated porous surfaces. Refer to **Table 7** for a summary of the verification sampling results from January 4, 2018. Refer to **Figure 1** for sample locations. Note that this figure also shows sample locations and results of previous wipe testing.

Sample analysis was performed at Con-Test Analytical Laboratory in East Longmeadow, Massachusetts. Samples were analyzed using extraction method 3540C and analysis method SW-846 8082. Refer to *Appendix L* for laboratory analysis results and chain of custody forms.

3.5 Pilot and Wipe Post-Verification Conclusions

Based on the results, Fuss & O'Neill could not determine if the previous remediation work conducted was satisfactorily completed by the Remediation Contractor. At the time of the first remediation phase, TRC was still overseeing the project. Fuss & O'Neill representatives were not present to physically observe the application of encapsulant sealants so we cannot verify if proper procedures were followed.

It is visually evident that the proposed product was in fact installed as a clear acrylic encapsulant (Sikagard 670W Clear water-based 100% acrylic coating). The mil thickness of such in all instances appears to be adequate to meet manufacturer's requirements for the installed product of a single coat with a dry film thickness of 2.3 mils for surfaces which are not extremely porous. The encapsulated surfaces on the exterior are non-polished granite so a single or maximum of two coats are suggested by the manufacturer.

Due to the findings that most all exterior surfaces did not meet the standard proposed in the approved plan under Condition 20, we recommended to the Town of Suffield they consider applying an epoxy product to the exterior locations. This first required the stripping of the existing acrylic coating from the substrates due to incompatibility between products. Once the acrylic product was stripped from the surfaces, they were re-coated with a two-part epoxy product of two coats. Fuss & O'Neill monitored the application of selected products for adherence to the wet mil thickness of products to provide for the appropriate coverage of the surfaces when dry in accordance with manufacturer's requirements. After encapsulation, Fuss & O'Neill collected post verification wipe samples in accordance with Condition 20. Refer to results in later sections of this report.

4 Additional PCB Remediation

After the piolet studies and re-testing of surface wipes originally taken by TRC, Fuss & O'Neill concluded that additional work was required at the site to meet environmental compliance. Almost all the exterior surface wipes failed to meet the standard approved for the remediation plan. Additionally Fuss & O'Neill could not verify that the encapsulant was applied correctly because they did not take over the project from TRC until after this work was completed. According to the PCB risk evaluation, the following issues at the site remained to be addressed:

- **Caulk present at Roof Monitors:** Caulking compound is above existing waffle slab ceilings at roof line and are not accessible without aide of ladders. Testing has not been performed. Caulking compound will be removed as Presumed-PCB Bulk Product Waste. The surfaces immediately adjacent to the caulking compounds was encapsulated to the full depth of the former caulk joint and to a distance of two inches on either side of the caulk joint with products described herein as utilized in the pilot project. Once complete the joint was re-caulked and

then the entire ceiling surface encapsulated also as specified to address potential PCBs in paint. Paint in this instance also has not been tested and is presumed to contain PCBs.

- **PCB containing paint/sealants on concrete waffle slab ceilings and beams:** Ceilings are accessible by ladder or small step stool only. The paint/sealants was removed from the substrates using blasting which has been demonstrated to remove 95% of all paint. Porous substrates may contain residual paint and intention is to encapsulate entire surface as specified herein with encapsulant products listed herein.
- **PCB containing paint on painted brick, concrete block and concrete wall and columns:** Materials are potentially accessible. Paint in this instance also has not been tested and is presumed to contain PCBs. The paint was prepared to receive new coatings as required by manufacturer and only limited peeling paints will be removed. Intention is to encapsulate entire surface as specified herein with encapsulant products listed herein.
- **Interior and Exterior Porous Surfaces in contact with caulk:** Materials near floor or grade surface around doors and windows are accessible. Previous work in 2015/2016 included removal of caulk containing PCBs as PCB Bulk Product Waste. Porous surfaces were encapsulated with an acrylic coating. Wipe samples have identified that most exterior surfaces need to be re-encapsulated. Encapsulation will be to the extent as previously noted in Approval and Modification 1.

To continue to address PCB containing materials at the Site, additional remediation was required. Fuss & O'Neill submitted a request for a Modification #2 to the original Risk-Based PCB Cleanup and Disposal Approval Plan. The original approved Risk Based Disposal Plan (dated July 2015) was prepared by TRC. Refer to **Figures HM-01 through HM-03** for locations requiring PCB abatement. As part of developing the scope of work for the project, Fuss & O'Neill prepared technical specifications for PCB Remediation. Please refer to *Appendix M* for a copy of the specifications.

4.1 Scope of Work

Materials with PCB concentrations greater than 50 parts-per-million (ppm) are determined to be a federally regulated waste under the Toxic Substance Control Act (TSCA) (40 CFR 760). According to 40 CFR 761.3, caulk less than 50 ppm PCBs considered an "excluded PCB product" is not federally regulated as a PCB Remediation Waste by the Environmental Protection Agency (EPA). However, the Connecticut Department of Energy and Environmental Protection (CT DEEP) also regulates materials containing greater than 1 but less than 50 ppm PCBs (CGS 22a-463 through 22a-469).

Kent Memorial Library contains PCB source materials regulated both by the EPA ≥50 ppm PCBs and by the CT DEEP >1 ppm, but <50 ppm PCBs.

EPA-regulated source materials **≥50 ppm PCBs** scheduled for removal included the following:

- Caulking between roof panel joints and columns/beams (assumed ≥ 50 ppm)
- 12 x 12 floor tile and associated mastic adhesive
- Glue daubs associated with interior 2 x 2 ceiling tiles
- Vinyl cove bases and associated mastics

- All paint from existing ceilings and concrete beams associated with coffered ceiling systems throughout the facility

CT DEEP Regulated materials **> 1 ppm but < 50 ppm PCBs** scheduled for removal included the following:

- Sealant coatings and mastics associated with parquet style wood floors
- All sealants, coatings and mastics from existing porous concrete floor surfaces
- Carpeting covering existing concrete floors
- All existing porous brick floor surfaces including mortar

The PCB remediation contractor was also responsible for the following tasks:

- Surface preparation and encapsulation of all existing painted interior wall and columns (concrete, concrete block and brick) with a PPG Paints Amerlock Sealer and two coats of PPG Paints Amerlock Epoxy.
- Surface preparation and encapsulation of all existing exposed concrete ceilings within mechanical room with PPG Paints Amerlock Sealer and two coats of PPG Paints Amerlock Epoxy.
- Surface preparation and encapsulation of all existing painted ceilings and beams associated with roof monitors with PPG Paints Amerlock Sealer and two coats of PPG Paints Amerlock Epoxy.
- Surface encapsulation of all existing porous surfaces on the exterior of the building where previous applications of Encapsulant have been utilized. This includes concrete and granite sills, heads and columns associated with windows and doors. Existing acrylic products utilized was stripped to facilitate new product. The Abatement Contractor shall install a two-part epoxy product. A total of two coats of two coats of PPG Paints Amerlock Epoxy are proposed as recommended by manufacturer's requirements.
- Additionally, all interior locations was re-encapsulated. Existing acrylic products utilized such as Sikagard 670 W Clear Acrylic was re-installed to provide additional coverage in accordance with manufacturer's requirements.

After the conclusion of remediation work, site restoration was performed by Owner's general trade contractor under separate contract.

4.2 Preparations Prior to Abatement

The following represent the preparations required to facilitate the required work:

- The building remained vacant through the abatement and remediation process.
- Town of Suffield arranged for the existing books, videos and other items to be disposed.
- Town of Suffield arranged for the existing shelving and cabinetry to be disassembled and stored outside of the building for re-use upon completion of remediation and abatement work.
- Town of Suffield arranged for the drainage and removal of sprinkler heads as necessary within work area.

- The Contractor made safe, locked out and tagged out and removed or lowered mechanical and electrical systems and conduit within all work areas to facilitate mechanical removal of paint. Care was taken to protect such from damage during work including wrapping as necessary.
- The Contractor shut down the HVAC systems and provided critical barriers consisting of 6 mil polyethylene sheeting sealed at all edges for all existing intakes, returns and supply diffusers.
- Where necessary, the Contractor deactivated electrical power, including receptacles and light fixtures. Under no circumstances during the decontamination procedures were lighting fixtures permitted to be operating.
- The Contractor provided GFCI devices, temporary power, and temporary lighting installed in compliance with the applicable electrical codes. All installations were made by a State of Connecticut-licensed electrician, permitted as required, and located outside the work areas.
- The Contractor created pressure differential within the work areas and uncontaminated areas by the use of acceptable negative air pressure equipment sufficient to provide four air changes per hour and create negative air pressure of -0.02 inches of water column within enclosure with respect to outside area as measured on a water gauge.
- The work area containment was established to provide asbestos regulated negative air pressure containment including 6-mil polyethylene sheeting as critical barriers at all HVAC systems and other openings.
- The Contractor established contiguous to the work area, a decontamination system consisting of equipment room, shower room, and clean room, in series. The only access between contaminated and uncontaminated areas was through this decontamination enclosure.
- The Contractor established appropriate warning signs at all entrances and approaches to the work area as required for both asbestos and PCBs in accordance with OSHA regulations. For PCBs use of the M_L label language is also recommended.
- Appropriate PCB waste containers were placed adjacent to abatement zones. Containers were lined covered and secured. The PCB and PCB and Asbestos Mixed waste containers were properly marked as described in 40 CFR part 761.45. Marking shall include a PCB M_L marker.

4.3 Decontamination and Cleaning Procedures

1. The Contractor was responsible for complete cleaning and decontamination of the Abatement Zone upon completion of work. The Abatement Zone was required to meet proposed Verification Sampling limits established in Condition 17 of the Approval.
2. The Contractor utilized HEPA vacuum and wet cleaning products to remove all visible dust and debris from all surfaces within the work area. If specialty products were utilized the Contractor utilized in accordance with manufacturer's specifications including any additional safety and disposal requirements for such use.
3. Cleaning of containment barriers was performed prior to removal leaving critical barriers at openings, decontamination units and negative air filtration devices in place until results of post-verification sampling indicated acceptable limits. Cleaning was performed from ceiling to floors.
4. Any liquid used to wet the dust and debris to control fugitive emissions was collected and decontaminated in accordance with 40 CFR Part §761.79 (b)(1) and disposed of in accordance with §761.60 (a).

5. All rags and other cleaning materials used to clean were also properly disposed as PCB Remediation Waste. All PCB Remediation Waste was stored for disposal in accordance with 40 CFR 761.65. All waste containers were appropriately marked in accordance with 40 CFR Part §761.40 and §761.45.
6. Equipment to be utilized in connection with the removal of PCB Bulk Product Waste and CTDEEP PCB Waste including waste collection or that came in direct contact with the site contaminants was decontaminated prior to leaving the site to prevent migration of the contaminated residues from the project site. Decontamination was in accordance with 40 CFR Part §761.79 and Sub-part S procedures.
7. All non-disposable equipment and tools employed in the course of the project were decontaminated at the conclusion of each work day through the following sequence:
    a. Initial tap water rinse, to remove gross soil
    b. Tap water and hexane or equivalent wash
    c. Tap water rinse
    d. Second tap water and hexane or equivalent wash
    e. Second tap water rinse
8. The wash water and decontamination liquids were captured and containerized in DOT approved 55-gallon barrels for off-site disposal.

5 Project Monitoring

Additional remediation work began at the Site on September 4, 2018. Fuss and O'Neil conducted limited project monitoring at the Site during remediation. The project included both PCB remediation and asbestos abatement. A separate report will cover the asbestos abatement at the Site. PCB wipe, air, and bulk samples were required to complete the work in accordance with the EPA modification and original work plan.

The PCB remediation contractor was AAIS of West Haven, Connecticut. Please refer to *Appendix N* for the Contractor's Workers' Certifications.

Fuss & O'Neill's Environmental Analyst Paul Bateman performed periodic oversite of the remediation project. Final visual inspections of the work areas were conducted to verify that the work area was free of dust and debris and the PCB containing materials were adequately removed. Please refer to *Appendix O* for the Final Visual Inspection Forms. Please refer to *Appendix P* for the Fuss & O'Neill Site Logs.

5.1 Post-verification of Concrete

On December 12, 2018, Fuss & O'Neill's representative Paul Bateman conducted post-remediation verification sampling of the concrete flooring. A total of eighty samples, including blanks and duplicates, were collected. Contest Analytical Laboratory of East Longmeadow, Massachusetts performed the analysis. Samples were analyzed using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and EPA Method 8082. Sample results ranged from none detect (ND) to 0.69 mg/kg. All of the results were below the EPA clean up standard for high occupancy use building of 1 PPM for unrestricted use. Please refer to **Table 8** for the results of the concrete post-verification sampling. Refer to **Figure 2** for the sample location diagrams. Refer to *Appendix Q* for the laboratory analytical results and chain of custody.

5.2 Wipe Sampling

On December 12, 2018, Fuss & O'Neill's representative Paul Bateman conducted wipe sampling to test for PCBs in settled dust at the Site. This sampling event focused on wood shelfs, metal vents, and granite countertops to verify PCB material had been adequately removed. A total of twenty-nine samples, including blanks and duplicates, were collected. Contest Analytical Laboratory of East Longmeadow, Massachusetts performed the analysis. Samples were analyzed using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and EPA Method 8082. Sample results ranged from none detect to 0.66 µg/100 cm^2. None of the samples exceeded the EPA action concentration of 1 µg/100 cm^2. Please refer to **Table 9** for the results of the concrete post-verification sampling. Refer to **Figure 3** for the sample location diagrams. Refer to *Appendix R* for the laboratory analytical results and chain of custody.

On January 24, 2019, Fuss & O'Neill's representative Anthony Malat conducted additional wipe sampling to test for PCBs on interior surfaces at the site. This sampling event focused wipe samples ceilings, walls, and one window sill to verify encapsulation. A total of fifty-seven samples, including blanks and duplicates, were collected. Contest Analytical Laboratory of East Longmeadow, Massachusetts performed the analysis. Samples were analyzed using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and EPA Method 8082. Sample results ranged from ND to 22 µg/100 cm^2. The majority of the samples were reported as no PCBs detected. One sample taken from the window sill in area 3 exceeded the EPA action concentration of 1 µg/100 cm^2. The window sill was re-encapsulated and re-cleaned.

Retesting of the failed window sill sample was performed on February 6, 2019 by Mr. Bateman. Two samples were taken from the window sill. Both samples were reported as no PCBs detected.

Please refer to **Table 10** for the results of the wipe sampling performed on January 24, 2019 and the retests performed on February 6, 2019. Refer to **Figure 4** for the sample location diagrams. Refer to *Appendix S* for the laboratory analytical results and chain of custody for sampling conducted on January 24. 2019. The retest wipe samples were included on the chain of custody for the exterior wipe samples. See section 5.4 Exterior post-verification sampling for the laboratory analytical results and chain of custody form.

5.3 Indoor Air Sampling and Analysis

On January 24, 2019, Fuss & O'Neill's representative Anthony Malat conducted sampling for PCBs in air at the Site. A total of fifteen samples, including blanks and duplicates, were collected. Contest Analytical Laboratory of East Longmeadow, Massachusetts performed the analysis. Samples were analyzed using TO-10A EPA Method 680 modified 8270C as homologs. Sample results ranged from ND to 170 ng/m^3. None of the samples exceeded the EPA advisory concentration of 200 ng/m^3. Please refer to **Table 11** for the results of the indoor air sampling. Refer to **Figure 5** for the sample location diagrams. Refer to *Appendix T* for the laboratory analytical results and chain of custody.

5.4 Exterior Post-Verification Sampling

On February 6, 2019, Fuss & O'Neill's representative Paul Bateman conducted wipe sampling to test for PCBs on exterior surfaces at the Site. This sampling event focused on exterior surfaces including window sills, soffits, columns, and door headers to verify PCB material had been adequately encapsulated. A total of twenty two samples, including blanks and duplicates, were collected. Two of the samples collected on this date were re-tests of interior PCB wipes. Refer to section 5.2. Contest Analytical Laboratory of East Longmeadow, Massachusetts performed the analysis. Samples were analyzed using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and EPA Method 8082. Sample results ranged from ND to 1.4 µg/100 cm^2. Two of the samples exceeded the EPA action concentration of 1 µg/100 cm^2.

On February 18, 2019, Mr. Paul Bateman returned to the Site to conduct re-sampling of the failed exterior wipe samples. Prior to re-sampling the surfaces were re-cleaned and re-encapsulated. Two samples and one duplicate were collected. One of the retest samples taken from the exterior courtyard door header exceeded the EPA action concentration of 1 µg/100 cm^2.

On February 22, 2019, Fuss & O'Neill representative Helen Rimsa visited the site and conducted a retest of the exterior courtyard door header sampled that failed. One sample and one blank was collected.

Please refer to **Table 12** for the results of the exterior post-verification sampling. Refer to **Figure 6** for the sample location diagrams. Refer to *Appendix U* for the laboratory analytical results and chain of custody for samples taken February 6, 2019. Refer to *Appendix V* for the laboratory analytical results and chain of custody for samples taken February 18, 2019. Refer to *Appendix W* for the laboratory analytical results and chain of custody for samples taken February 22, 2019.

6 Conclusions

The PCB remediation work at the Site has concluded as of February 26, 2019. The PCB containing materials believed to be contributing to high levels of PCBs in air at the Site have been removed or encapsulated. Fuss & O'Neill conducted verification samples to ensure no PCB dust or debris remains and that remaining PCB containing materials are correctly encapsulated. Verification sampling of the concrete was conducted on December 12, 2018. None of the samples exceeded the EPA action concentration of 1 PPM. Wipe samples to check for settled dust throughout the interior of the site after removal of PCB materials was conducted on December 12, 2018. None of the samples exceeded the EPA action concentration of 1 µg/100 cm^2. Additional interior wipe sampling to verify encapsulation was performed on January 24, 2019. One sample taken from the interior window sill in area 3 exceeded the EPA action concentration of 1 µg/100 cm^2. Retesting of the failed window sill sample was performed on February 6, 2019. All samples were reported as no PCBs detected, verifying the re-encapsulation was a success. Interior air sampling for PCBs was conducted on January 24, 2019. None of the samples exceeded the EPA advisory concentration of 200 ng/m^3. Exterior wipe sampling to verify encapsulation was conducted on February 6, 2019. Two of the samples exceeded the EPA action concentration of 1 µg/100 cm^2. Retesting of the two failed areas was conducted on February 18, 2019. Despite verifying the contractor had adequately cleaned and re-encapsulated the area, the retest samples

for the exterior courtyard door header again exceeded the advisory concentration. Additional retest samples were taken on February 18, 2019. Extra care was taken by the contractor to ensure that no cross contamination could when cleaning the area. The samples taken on February 22, 2019 were reported as none detected, indicating the re-encapsulation was a success.

After the final wipe testing collected on February 22, 2019, all areas of the Site have passed post-remediation and post-encapsulation verification sampling. Fuss & O'Neill will develop a PCB long-term monitoring plan and maintenance plan which will include testing air and wipe samples annually to continue monitoring the PCB materials that were encapsulated and remain at the Site, in accordance with Condition 20 of the Approval.

A copy of the Waste Shipment Records was provided by the PCB Remediation Contractor and can be found in *Appendix X*.

Report prepared by Environmental Technician Kristina Snurkowski.

Reviewed by:

Helen Rimsa
Senior Scientist

Robert L. May, Jr.
Senior Vice President

Tables

Table 1: TRC's PCB Bulk Samples Taken in 2010 and 2015

Sample Date	Sample ID	Description	Location	Result (ppm)
11/10/2010	01	Wall caulk, exterior	Unknown	190,000
11/10/2010	02	Seam caulk, exterior	Unknown	39
11/10/2010	03	Window Caulk, exterior	Unknown	160,000
11/10/2010	04	Window caulk, interior	Unknown	130,000
11/10/2010	05	Void	Unknown	NA
11/10/2010	06	Wall caulk, office exit floor	Unknown	220,000
5/5/2015	B1	BC1- Pink/gray exterior building caulk	Exterior NW Foundation Wall Intermediate Level	1,700
5/5/2015	B2	PC1- Pink/gray exterior building caulk	Exterior SW Foundation Wall Intermediate Level	140
5/5/2015	B3	DC1- gray exterior door caulk	Exterior South Office Exit Door	85
5/5/2015	B4	DC2- Gray exterior door caulk	Exterior Mech Room Exit Door	130,000
5/5/2015	B5	WC1- gray exterior window caulk	Exterior Column SW Corner of Courtyard	93,000
5/5/2015	B6	WC1- gray exterior window caulk	Exterior Column NW Corner of Courtyard	NA
5/5/2015	B7	WC1- gray exterior window caulk	Exterior West End Lower Level Entrance	NA
5/5/2015	B8	WC2- gray interior window caulk	Interior West End Lower Level Entrance	110,000
5/5/2015	B9	WC2- gray interior window caulk	Interior Column NE Corner of Courtyard	NA
5/5/2015	B10	WC2- gray interior window caulk	Interior East End Upper Level Entrance	NA

Table 2: TRC PCB Bulk Samples Taken in 2016

Sample ID	Sample Location	Material Type	Date Collected	Total PCBs (ppm)
1	Historical Room	Sealant on Concrete	4/13/2016	4.6
2	Historical Room	Sealant on Concrete	4/13/2016	11
3	Historical Room	Sealant on Concrete	4/13/2016	4.5
4	Theater	Sealant on Brick with carpet glue	4/13/2016	32
5	Theater	Sealant on Brick with carpet glue	4/13/2016	26
6	Theater	Sealant on Brick with carpet glue	4/13/2016	18
7	Fire Suppression Room	Sealant on Brick with carpet glue	4/13/2016	1.3
8	Stacks Area	Sealant on Concrete	4/14/2016	15
9	Stacks Area	Sealant on Concrete	4/14/2016	1.8
10	Stacks Area	Sealant on Concrete	4/14/2016	ND
11	Director's Office	Sealant on Concrete	4/14/2016	1.5

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Sample ID	Sample Location	Material Type	Date Collected	Total PCBs (ppm)
12	Director's Office	Sealant on Concrete	4/14/2016	3.1
13	Director's Office	Sealant on Concrete	4/14/2016	1.4
14	Theater - Middle	Sealant on Concrete	4/15/2016	3.1
15	Theater - Middle	Sealant on Concrete	4/15/2016	2.5
16	Theater - Middle	Sealant on Concrete	4/15/2016	2.6
1	Upper Level South	Parquet Floor (No mastic) Wood	5/2/2016	1.1
2	Intermediate Level South	Glue Daub - Ceiling	5/2/2016	1.4
3	Intermediate Level North	Glue Daub - Ceiling	5/2/2016	1.3
4	Intermediate Level North	Ceiling Tile	5/2/2016	21
5	Intermediate Level South	Ceiling Tile	5/2/2016	5
6	Multi-purpose Room (basement)	Vinyl Cove Base (no glue)	5/2/2016	37
7	Multi-purpose Room (basement)	Vinyl Cove Base Glue Only	5/2/2016	17
8	Auditorium	Book Shelf - Laminated Wood	5/2/2016	0.95
9	Lower Level South	Furniture Table - Wood	5/2/2016	ND
10	Multi-purpose Room (basement)	Mastic on backside of floor tile	5/2/2016	2.8
11	Equipment Room	Mastic on backside of floor tile	5/2/2016	2
12	Multi-purpose Room (basement)	Sealant on Concrete under floor tile	5/2/2016	1.8
13	Equipment Room	Sealant on Concrete under floor tile	5/2/2016	2
14	Under Dumb Waiter	Oil on concrete under dumbwaiter	5/2/2016	21
15	Intermediate Level South	Waffle Sealant - edge of ceiling	5/2/2016	47
16	Intermediate Level South	Waffle Sealant - interior ceiling	5/2/2016	9.1
17	Lower Level North	Waffle Sealant - edge of ceiling	5/2/2016	**75**
18	Lower Level North	Waffle Sealant - interior ceiling	5/2/2016	74
1	Mechanical Room Waffle Interior	Sealant on Concrete	5/16/2016	14
2	Mechanical Room Waffle Interior	Sealant on Concrete	5/16/2016	5.9
3	Mechanical Room Waffle Edge	Sealant on Concrete	5/16/2016	23
4	Mechanical Room Waffle Edge	Sealant on Concrete	5/16/2016	2.9

ND= None detected above laboratory reporting limit

Table 3: Summary of PCB Indoor Air Sample Results

Sample Location	Sample No.	PCB (ng/m³)	Sample No.	PCB (ng/m³)	Comparative Criterion (ng/m³)
	12/31/2015		3/11/2016		
Upper Level South	#1	**220**	#1	**280**	200
Upper Level North	#2	200	#2	**350**	200
Intermediate Level North	#3	170	#3	**240**	200
	#4 (D)	190	#4 (D)	**290**	200
Lower Level North	#5	120	#5	**330**	200
Lower Level South	#6	180	#6	**230**	200
Intermediate Level South	#7	170	#7	**280**	200
Lower Basement Work/Equipment Rooms	#8	130	#8	**250**	200
Basement Office	#9	180	#9	**250**	200
Basement Records Room	#10	120	#10	190	200
Basement Lower Lobby	#11	**250**	#11	150	200
	#12 (D)	**230**	#12 (D)	170	200
Lower Basement Auditorium	#13	**220**	#13	**200**	200
Lower Basement Multi-Purpose Room	#14	180	#14	**210**	200
Blank	#15	ND	#15	ND	N/A

Notes:
Samples collected on 12/31/2015 and 03/11/2016 by TRC
Units: nanograms per cubic meter (ng/m3)
ND = Not detected at specified laboratory reporting limit
Comparative Criterion shown as included in plan Approval Condition 17
[Bold text] indicates that the constituent exceeds the Comparative Criterion
(D) = Duplicate sample collected at this location
Collection and analysis method TO-10A/USEPA 680 Modified

Table 4: Pilot Surface Isolation Indoor Air Sample Results

Sample Location	Sample No.	PCB (ng/m³)	Sample No.	PCB (ng/m³)	Sample No.	PCB (ng/m³)
	3/11/2016		11/14/2016		11/17/2016	
Upper Level Lobby			KPL-026	**41**	KPL-047	300
Upper Level North	#2	350	KPL-025	320	KPL-031	180
Ceiling					KPL-029	150
Floor					KPL-030	99
East Wall					KPL-032	200
South Wall					KPL-033	190
Lower Level North	#5	330	KPL-023	300	KPL-051	220
Ceiling					KPL-049/050(D)	110/70
Floor					KPL-052	63

Sample Location	Sample No.	PCB (ng/m³)	Sample No.	PCB (ng/m³)	Sample No.	PCB (ng/m³)
	3/11/2016		11/14/2016		11/17/2016	
East Wall					KPL-048	280
West Wall					KPL-053	240
Intermediate Level South	#7	280	KPL-024	340	KPL-036	170
Ceiling					KPL-037	160
Floor					KPL-035	11
East Wall					KPL-038	140
West Wall					KPL-034	160
Lower Basement Auditorium	#13	200	KPL-028	210	KPL-039	280
Lower Basement Multi-Purpose Room	#14	210	KPL-027	**45**	KPL-045	190
Ceiling					KPL-042	170
Floor					KPL-044	95
North Wall					KPL-041	45
South Wall					KPL-043	62
Fresh Air Intake					KPL-040	17
Blank	#15	ND	KPL-022	ND	KPL-046	ND

Notes:
Units: nanograms per cubic meter (ng/m3)
Samples collected on 03/11/2016 by TRC
Sample KPL-026 and KPL-027 Pump faulted during sampling so results are biased low
Samples collected on 11/14/2016 Pre-Isolation Ambient Samples
Samples collected on 11/17/2016 with surfaces isolated with polyethylene sheeting
ND = Not detected at specified laboratory reporting limit
(D) = Duplicate sample collected at this location
Collection and analysis method TO-10A/USEPA 680 Modified

Table 5: Pilot Remediation Indoor Air Sample Results

Sample Date	Sample Location				Comparative Standard (ng/m³)
	Multi-Purpose Room		Auditorium		
	Sample Number	PCB (ng/m³)	Sample Number	PCB (ng/m³)	
TRC - 12-31-2015	#14	180	#13	220	200
TRC - 03-11-2016	#14	210	#13	200	200
FO - 11-15-2016	**KPL-027**	**45**	KPL-28	210	200
FO - 11-17-2016	KPL-045	190	KPL-039	280	200
FO - 11-10-2017	1101PB-01	110	**1110PB-03**	**ND**	200
FO - 11-10-2017	1101PB-02 (D)	110			200
FO -12-09-2017 (Post Remediation Pilot)	1209PB-01	ND	1209PB-03	130	200
FO -12-09-2017 (Post Remediation Pilot)	1209PB-02(D)	ND			200

Notes:
Sample KPL-027 Pump faulted during sampling so result is biased low
Sample 1110PB-03 - Client identified doors were left open for significant period prior to sampling
Units: nanograms per cubic meter (ng/m3)
ND = Not detected at specified laboratory reporting limit
Comparative Standards shown as included in EPA approved plan based on use demographic
(D) = Duplicate sample collected at this location
Collection and analysis method TO-10A/EPA 680 Modified
All samples collected in 2017 were with HVAC system turned off for Pilot Remediation

Table 6: Encapsulation Wipe Verification Sample Results – Prepared by TRC

Sample ID	Wipe Location	Date Collected	Total PCBs (µg/100 cm²)
1	Lower Lobby Door Ceiling	11/18/2015	**11**
2	Lower Lobby Window Column	11/18/2015	ND <1.0
3	Lower Level South Ceiling	11/18/2015	ND <1.0
4	Lower Level South Column	11/18/2015	ND <1.0
5	Upper Level South Column	11/18/2015	**1.9**
6	Upper Level South Column (Duplicate)	11/18/2015	ND <1.0
7	Upper Level South Ceiling	11/18/2015	ND <1.0
8	Intermediate Level North Column	11/18/2015	ND <1.0
9	Intermediate Level North Ceiling	11/18/2015	ND <1.0
10	Blank	11/18/2015	ND <1.0
27-PCB-Wipe	Lower Elevation NW Column Courtyard	12/3/2015	ND <1.0
28-PCB-Wipe	Upper Elevation SW Column	12/3/2015	ND <1.0
10	S Side Basement Door to Ext	12/18/2015	ND <1.0
11	N Side Mech. Rm Door to Ext	12/18/2015	**1.9**
13	Ext Ceiling/Soffit above SE Window	12/18/2015	**3.9**
14	Ext Ceiling/Soffit above NE Window	12/18/2015	ND <1.0
15	Ext Ceiling/Soffit above NE Window	12/18/2015	ND <1.0
17	Blank	12/18/2015	ND <1.0
01-PCB	Re-test of Sample #11	12/31/2015	ND <1.0
02-PCB	Re-test of Sample #12	12/31/2015	ND <1.0
03-PCB	SW Ext. Window Sill	12/31/2015	**7.3**
04-PCB	SE Ext. Window Sill	12/31/2015	**2.2**
05-PCB	Duplicate of 04-PCB	12/31/2015	**3.5**
1	South West Window Sill	2/2/2016	ND <1.0
2	Duplicate SW Window Sill	2/2/2016	ND <1.0
3	South East Window Sill	2/2/2016	**1.3**
2-17-JG-W1	South East Window Sill	2/17/2016	ND <1.0
2-17-JG-W1	Blank	2/17/2016	ND <1.0

ND= None detected above laboratory reporting limit

Table 7: Verification Sampling Repeated by Fuss & O'Neill Jan 4, 2018

Sample ID	Wipe Location	Date Collected	Total PCBs (µg/100 cm²)
1.4 PB 01	Lower Level Lobby Door Ceiling	1/4/2018	0.21
1.4 PB 02	Lower Level lobby north column - inside	1/4/2018	ND
1.4 PB 03	Lower Level Lobby South Ceiling	1/4/2018	ND
1.4 PB 04	Lower Level lobby north column - inside	1/4/2018	ND
1.4 PB 05	Upper Level south column - inside	1/4/2018	ND
1.4 PB 06	Upper Level south column - inside - dup	1/4/2018	ND
1.4 PB 07	Upper Level south ceiling	1/4/2018	1.0
1.4 PB 08	Intermediate Level north column	1/4/2018	ND
1.4 PB 09	Intermediate Level north ceiling	1/4/2018	0.53
1.4 PB 10	South side door to exterior	1/4/2018	ND
1.4 PB 11	North side door to exterior	1/4/2018	ND
1.4 PB 12	North side wall @ window - east up level	1/4/2018	ND
1.4 PB 13	South side wall @ window east up level	1/4/2018	ND
1.4 PB 14	North side ceiling at E window up level	1/4/2018	0.88
1.4 PB 15	South side ceiling at east window up level	1/4/2018	1.3
1.4 PB 16	South side intermediate level ceiling - west	1/4/2018	0.26
1.4 PB 17	South side intermediate level ceiling - east	1/4/2018	0.3
1.4 PB 18	North side W - granite sill - exterior	1/4/2018	24
1.4 PB 19	North side E - granite sill - Exterior	1/4/2018	22
1.4 PB 20	South side W granite sill Exterior	1/4/2018	29
1.4 PB 21	South Side E granite sill exterior	1/4/2018	1.8
1.4 PB 22	North Side w - soffit - exterior	1/4/2018	8.9
1.4 PB 23	North Side e - soffit - exterior	1/4/2018	4.9
1.4 PB 24	South Side w - soffit - exterior	1/4/2018	ND
1.4 PB 25	South Side e - soffit - exterior	1/4/2018	ND

ND= None detected above laboratory reporting limit

Table 8: Post-Remediation Verification Samples of Concrete

Sample Number	Sample Location	Material Type	PCBs (ppm)	Depth
20181212-PB-PVS-1	Lower level south	Concrete	ND	
20181212-PB-PVS-2	Lower level south	Concrete	0.19/ RL 0.10	
20181212-PB-PVS-3	Lower level south	Concrete	ND	
20181212-PB-PVS-4	Lower level south	Concrete	0.16/RL 0.999	
20181212-PB-PVS-5	Lower level south	Concrete	ND	
20181212-PB-PVS-6	Entry Lobby	Concrete	ND	
20181212-PB-PVS-7	Entry Lobby	Concrete	0.12/RL 0.098	
20181212-PB-PVS-8	Entry Lobby	Concrete	ND	
20181212-PB-PVS-9	Entry Lobby	Concrete	ND	
20181212-PB-PVS-10	Entry Lobby	Concrete	ND	
20181212-PB-PVS-11	Lower level North	Concrete	ND	
20181212-PB-PVS-12	Lower level North	Concrete	ND	

Sample Number	Sample Location	Material Type	PCBs (ppm)	Depth
20181212-PB-PVS-13	Lower level North	Concrete	ND	
20181212-PB-PVS-14	Lower level North	Concrete	ND	
20181212-PB-PVS-15	Lower level North	Concrete	ND	
20181212-PB-PVS-16	Lower level North	Concrete	ND	
20181212-PB-PVS-17	Intermediate level North	Concrete	ND	
20181212-PB-PVS-18	Intermediate level North	Concrete	ND	
20181212-PB-PVS-19	Intermediate level North	Concrete	ND	
20181212-PB-PVS-20	Intermediate level North	Concrete	ND	
20181212-PB-PVS-21	Intermediate level North	Concrete	ND	
20181212-PB-PVS-22-DUP	Intermediate level North	Concrete	ND	
20181212-PB-PVS-23	Upper level North	Concrete	ND	
20181212-PB-PVS-24	Upper level North	Concrete	0.33/RL 0.093	
20181212-PB-PVS-25	Upper level North	Concrete	ND	
20181212-PB-PVS-26	Upper level North	Concrete	ND	
20181212-PB-PVS-27	Upper level North	Concrete	ND	
20181212-PB-PVS-28	Upper level Center	Concrete	ND	
20181212-PB-PVS-29	Upper level Center	Concrete	0.18/RL 0.098	
20181212-PB-PVS-30	Upper level Center	Concrete	ND	
20181212-PB-PVS-31	Upper level Center	Concrete	ND	
20181212-PB-PVS-32	Upper level Center	Concrete	ND	½" Depth
20181212-PB-PVS-33-DUP	Upper level Center	Concrete	ND	½" Depth
20181212-PB-PVS-34	Upper level South	Concrete	ND	½" Depth
20181212-PB-PVS-35	Upper level South	Concrete	ND	½" Depth
20181212-PB-PVS-36	Upper level South	Concrete	0.093/RL 0.092	½" Depth
20181212-PB-PVS-37	Upper level South	Concrete	ND	½" Depth
20181212-PB-PVS-38	Upper level South	Concrete	ND	½" Depth
20181212-PB-PVS-39-DUP	Upper level South-	Concrete	ND	½" Depth
20181212-PB-PVS-40	Intermediate level South	Concrete	ND	½" Depth
20181212-PB-PVS-41	Intermediate level South	Concrete	ND	½" Depth
20181212-PB-PVS-42	Intermediate level South	Concrete	ND	½" Depth
20181212-PB-PVS-43	Intermediate level South	Concrete	ND	½" Depth
20181212-PB-PVS-44	Intermediate level South	Concrete	ND	½" Depth

Sample Number	Sample Location	Material Type	PCBs (ppm)	Depth
20181212-PB-PVS-45-DUP	Intermediate level South	Concrete	ND	½" Depth
20181212-PB-PVS-46	Lower level Auditorium	Concrete	ND	½" Depth
20181212-PB-PVS-47	Lower level Auditorium	Concrete	0.69/RL 0.097	½" Depth
20181212-PB-PVS-48	Lower level Auditorium	Concrete	0.27/RL 0.083	½" Depth
20181212-PB-PVS-49	Lower level Auditorium	Concrete	ND	½" Depth
20181212-PB-PVS-50	Lower level Auditorium	Concrete	ND	½" Depth
20181212-PB-PVS-51	Lower level record room	Concrete	ND	½" Depth
20181212-PB-PVS-52	Lower level record room	Concrete	ND	½" Depth
20181212-PB-PVS-53	Lower level record room	Concrete	ND	½" Depth
20181212-PB-PVS-54	Lower level record room	Concrete	ND	½" Depth
20181212-PB-PVS-55	Lower level record room	Concrete	ND	½" Depth
20181212-PB-PVS-56	Lower level equipment room	Concrete	0.086/RL 0.084	½" Depth
20181212-PB-PVS-57	Lower level equipment room	Concrete	ND	½" Depth
20181212-PB-PVS-58	Lower level equipment room	Concrete	ND	½" Depth
20181212-PB-PVS-59	Lower level equipment room	Concrete	ND	½" Depth
20181212-PB-PVS-60	Lower level equipment room	Concrete	ND	½" Depth
20181212-PB-PVS-61	Lower level equipment room	Concrete	ND	½" Depth
20181212-PB-PVS-62	Lower level lounge	Concrete	ND	½" Depth
20181212-PB-PVS-63	Lower level lounge	Concrete	ND	½" Depth
20181212-PB-PVS-64	Lower level lounge	Concrete	ND	½" Depth
20181212-PB-PVS-65	Lower level lounge	Concrete	ND	½" Depth
20181212-PB-PVS-66	Lower level lounge	Concrete	ND	½" Depth
20181212-PB-PVS-67-DUP	Lower level lounge	Concrete	ND	½" Depth
20181212-PB-PVS-68	Lower level work room	Concrete	ND	½" Depth
20181212-PB-PVS-69	Lower level work room	Concrete	ND	½" Depth

Sample Number	Sample Location	Material Type	PCBs (ppm)	Depth
20181212-PB-PVS-70	Lower level work room	Concrete	ND	½" Depth
20181212-PB-PVS-71	Lower level work room	Concrete	ND	½" Depth
20181212-PB-PVS-72	Lower level work room	Concrete	ND	½" Depth
20181212-PB-PVS-73	Lower level lounge toilet	Concrete	ND	½" Depth
20181212-PB-PVS-74	Lower level office toilet	Concrete	ND	½" Depth
20181212-PB-PVS-75	Lower level office	Concrete	0.22/RL 0.068	½" Depth
20181212-PB-PVS-76	Lower level office	Concrete	0.21/RL 0.079	½" Depth
20181212-PB-PVS-77	Lower level office	Concrete	0.095/RL 0.091	½" Depth
20181212-PB-PVS-78	Lower level office	Concrete	0.24/RL 0.092	½" Depth
20181212-PB-PVS-79	Lower level office	Concrete	ND	½" Depth
20181212-PB-PVS-80-DUP	Lower level office	Concrete	0.096/RL 0.094	½" Depth

ND= None detected above laboratory reporting limit

Table 9: PCB Wipe Results December 12, 2018

Sample ID	Sample Location	Sample Date	Total PCBs µg/100 cm²
20181212-PB-PCB-Wipe-01	Entry Lobby- Granite	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-02	Entry Lobby- Granite	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-03	Lower level North- Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-04	Lower level North- Metal vent	12/12/2018	0.41/ RL 0.20
20181212-PB-PCB-Wipe-05	Lower level North- Metal vent	12/12/2018	0.66/ RL 0.20
20181212-PB-PCB-Wipe-06	Lower level North- Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-07	Lower level North- Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-08	Intermediate Level North- Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-09	Intermediate Level North- Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-10	Upper Level North- Wood shelf	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-11	Upper Level North- Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-12	Intermediate Level Center- Wood Decorative Doll House	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-13	Intermediate Level Center-Wood shelf	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-14	Upper Level South-Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-15	Upper Level South- Wood shelf	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-16	Intermediate Level South- Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-17	Intermediate Level South- Wood shelf	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-18	Lower Level- Metal	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-19	Equipment room- Vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-20	Records room Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-21	Records room- Tower	12/12/2018	ND/ RL 0.20

Sample ID	Sample Location	Sample Date	Total PCBs µg/100 cm²
20181212-PB-PCB-Wipe-22	Auditorium- Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-23	Auditorium- Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-24	Intermediate Level North- Wood shelf	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-25	Entry Lobby- Granite counter	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-26	Equipment room- Metal vent	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-27	Intermediate Level South	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-28	Field Blank	12/12/2018	ND/ RL 0.20
20181212-PB-PCB-Wipe-29	Field Blank	12/12/2018	ND/ RL 0.20

ND= None detected above laboratory reporting limit

Table 10: PCB Wipe Results January 24, 2019

Sample ID	Sample Location	Surface	PCBs µg/100 cm²
20190124-Wipe-01	Area 1 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-02	Area 1 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-03	Area 2 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-04	Area 2 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-05	Area 3 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-06	Area 3 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-07	Area 4 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-08	Area 4 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-09	Area 5 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-10	Area 5 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-11	Area 6 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-12	Area 6 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-13	Area 6 Center Ceiling Duplicate	Concrete Ceiling	ND
20190124-Wipe-14	Area Left Ceiling	Concrete Ceiling	ND
20190124-Wipe-15	Area Right Ceiling	Concrete Ceiling	ND
20190124-Wipe-16	Area Center	Concrete Ceiling	ND
20190124-Wipe-17	Area 8 Right Half Ceiling	Concrete Ceiling	ND
20190124-Wipe-18	Area 9 Right Half Ceiling	Concrete Ceiling	ND
20190124-Wipe-19	Area 9 Left Half Ceiling	Concrete Ceiling	ND
20190124-Wipe-20	Area 10 Rear of Ceiling	Concrete Ceiling	ND
20190124-Wipe-21	Area 10 Front of Ceiling	Concrete Ceiling	ND
20190124-Wipe-22	Area 11 Ceiling Near Exit Doors	Concrete Ceiling	ND
20190124-Wipe-23	Area 11 Center Ceiling	Concrete Ceiling	ND
20190124-Wipe-24	Are 11 Center Ceiling Duplicate	Concrete Ceiling	ND
20190124-Wipe-25	Area 12 Ceiling Left	Concrete Ceiling	ND
20190124-Wipe-26	Area 12 Ceiling Right	Concrete Ceiling	ND
20190124-Wipe-27	Area 1 B Wall Center	Concrete Wall	ND
20190124-Wipe-28	Area 1 B Wall Corner	Concrete Wall	ND

Sample ID	Sample Location	Surface	PCBs µg/100 cm²
20190124-Wipe-29	Area 2 B Wall Left	Brick	ND
20190124-Wipe-30	Area 2 B Wall Right	Brick	ND
20190124-Wipe-31	Area 3 Ce Wall Center	Concrete Wall	ND
20190124-Wipe-32	Area 3 A Wall Center	Concrete Wall	ND
20190124-Wipe-33	Area 3 A Wall Corner Window Sill	Granite Window Sill	22
20190124-Wipe-34	Area 4 B Wall Center	Concrete Wall	ND
20190124-Wipe-35	Area 4 B Wall Center	Concrete Wall	ND
20190124-Wipe-36	Area 4 Duplicate	Concrete Wall	ND
20190124-Wipe-37	Area 6 B Wall Corner	Concrete Wall	ND
20190124-Wipe-38	Area 6 C Wall Center RT	Concrete Wall	ND
20190124-Wipe-39	Area 7 B Wall Corner	Concrete Wall	ND
20190124-Wipe-40	Area 7 D Wall Corner	Concrete Wall	ND
20190124-Wipe-41	Area 7 Duplicate	Concrete Wall	ND
20190124-Wipe-42	Area 8 D Wall Center RT	Concrete Wall	ND
20190124-Wipe-43	Area 8 A Wall Center	Concrete Wall	ND
20190124-Wipe-44	Area 5 D Wall Center Left	Concrete Wall	ND
20190124-Wipe-45	Area 5 D Wall Center Right	Concrete Wall	ND
20190124-Wipe-46	Area 5 Duplicate	Concrete Wall	ND
20190124-Wipe-47	Area 9 B Wall Center	Concrete Wall	ND
20190124-Wipe-48	Area 9 D Wall Near Spiral Stairs	Concrete Wall	ND
20190124-Wipe-49	Area 10 A Wall Left Center	Concrete Wall	ND
20190124-Wipe-50	Area 10 B Wall Right Center	Concrete Wall	ND
20190124-Wipe-51	Blank	N/A	ND
20190124-Wipe-52	Area 11B Wall Right Corner	Concrete Wall	ND
20190124-Wipe-53	Area 11 B Wall Left	Concrete Wall	ND
20190124-Wipe-54	Blank	N/A	ND
20190124-Wipe-55	Area 12 B Wall Corner	Concrete Wall	ND
20190124-Wipe-56	Area 12 C Wall Center	Concrete Wall	ND
20190124-Wipe-57	Blank	N/A	ND
Re-tests of Failed Samples			
20190206-Wipe-01	ILLS Granite Sill	Granite Window Sill	ND
20190206-Wipe-02	ILLS Granite Sill	Granite Window Sill	ND

ND= None detected above laboratory reporting limit

Table 11: PCB Indoor Air Sample Results January 24, 2019

Sample ID	Sample Location	Flow Rate (LPM)			Time		Total Time	Total Volume	PCB
		Start	End	Ave	Start	End	(Min)	(Liters)	(µg/m³)
20190124-Air-01	Area 1	4.73	4.64	4.69	921	1403	282	1321.2	0.16
20190124-Air-02	Area 2	4.70	4.66	4.68	922	1405	283	1324.4	0.15

Sample ID	Sample Location	Flow Rate (LPM)			Time		Total Time (Min)	Total Volume (Liters)	PCB (µg/m³)
		Start	End	Ave	Start	End			
20190124-Air-03	Area 3	4.68	4.71	4.70	923	1407	284	1333.4	0.17
20190124-Air-04	Area 4	4.75	4.63	4.69	1055	1507	252	1181.9	0.11
20190124-Air-05	Area 5	4.69	4.58	4.64	925	1409	284	1316.3	0.11
20190124-Air-06	Area 6	4.70	4.62	4.66	926	1410	284	1323.4	0.17
20190124-Air-07	Area 7	7.78	4.62	6.20	927	1412	285	1767.0	0.19
20190124-Air-08	Area 8	4.75	4.58	4.67	928	1414	286	1334.2	0.18
20190124-Air-09	Area 7 Duplicate	4.70	3.70	4.20	930	1415	285	1197.0	0.16
20190124-Air-10	Area 9	4.65	4.53	4.59	933	1417	284	1303.6	0.077
20190124-Air-11	Area 10	4.65	4.58	4.62	935	1419	284	1310.7	0.14
20190124-Air-12	Area 11	4.73	4.66	4.70	937	1422	285	1338.1	0.13
20190124-Air-13	Area 11 Duplicate	4.78	4.65	4.72	939	1424	285	1343.8	0.15
20190124-Air-14	Area 12	4.86	4.67	4.77	941	1426	285	1358.0	0.16
20190124-Air-15	Blank	N/A	N/A	N/A	N/A	N/A	0	0	ND

ND= None detected above laboratory reporting limit

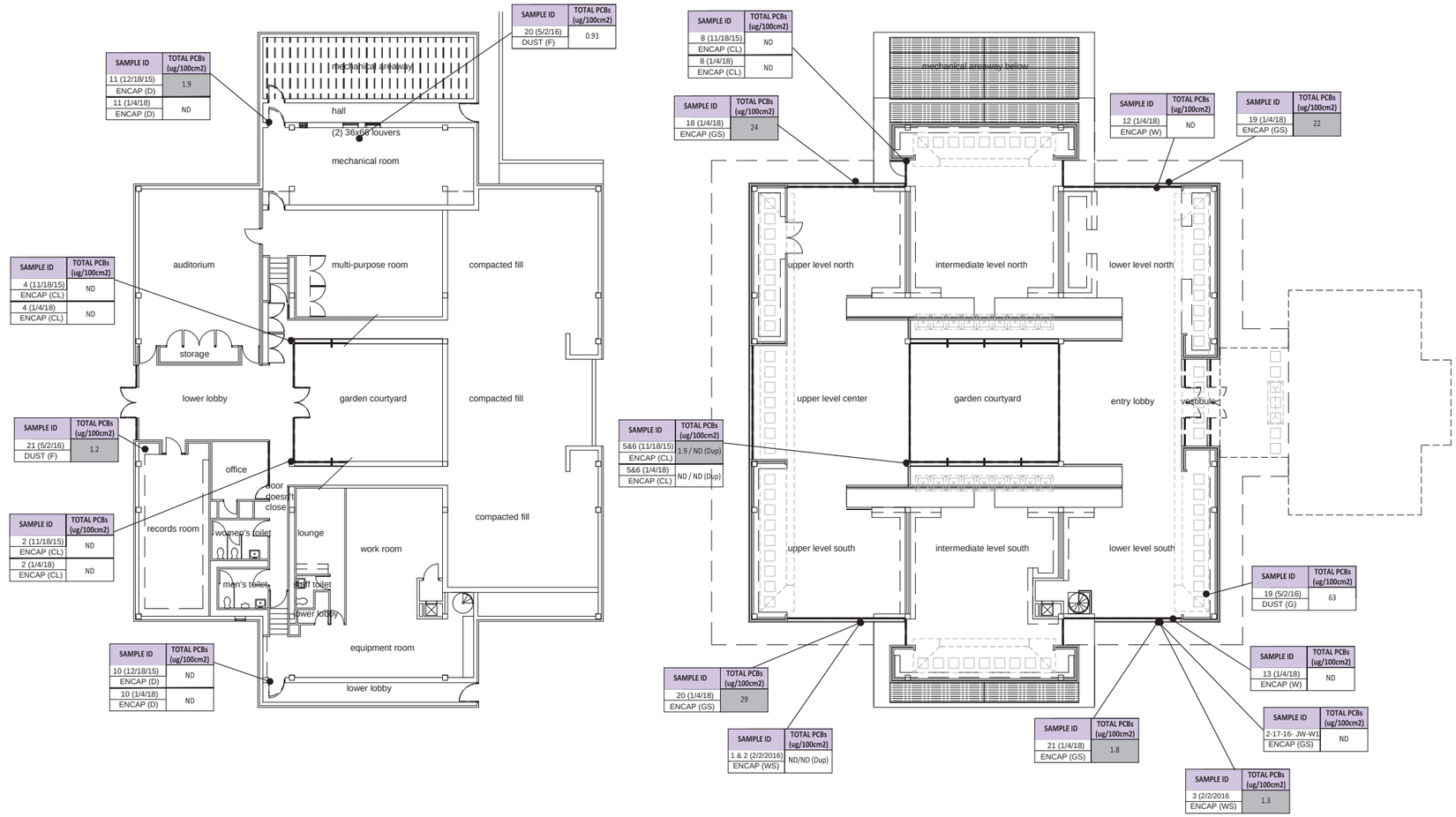
Table 12: Exterior Wipe Sample Results

Sample ID	Sample Location	Surface	PCBs (µg/100 cm²)
20190206-Wipe-03	Exterior Lower Level South	Granite Sill	ND
20190206-Wipe-04	Exterior Upper Level South	Granite Sill	ND
20190206-Wipe-05	Exterior Upper Level South	Granite Sill Duplicate	ND
20190206-Wipe-06	Exterior Upper Level South	Soffit	ND
20190206-Wipe-07	Exterior Upper Level South	Soffit	ND
20190206-Wipe-08	Exterior Garden Courtyard	Column	ND
20190206-Wipe-09	Exterior Upper Level Center	Granite Sill	0.74
20190206-Wipe-10	Exterior Upper Level Center	Granite Sill	ND
20190206-Wipe-11	Exterior Upper Level North	Granite Sill	0.72
20190206-Wipe-12	Exterior Upper Level North	Granite Sill	1.4
20190206-Wipe-13	Exterior Upper Level North	Soffit	0.22
20190206-Wipe-14	Exterior Upper Level North	Soffit	0.27
20190206-Wipe-15	Exterior Lower Level North	Granite Sill	ND
20190206-Wipe-16	Exterior Lower Level North	Granite Sill	ND
20190206-Wipe-17	Exterior Lower Level North	Granite Sill-Duplicate	ND
20190206-Wipe-18	Exterior Courtyard	Door Header	1.4
20190206-Wipe-18	Exterior Courtyard	Door Header	0.78
20190206-Wipe-20	Exterior Lower Level Lobby	Door Header	ND
20190206-Wipe-21	Exterior Lower Level Lobby	Door Header	ND

Sample ID	Sample Location	Surface	PCBs (µg/100 cm²)
20190206-21-B	Field Blank	N/A	ND
Re-tests of Failed Samples			
2-18-PB-01	Exterior Upper Level - North	Granite Sill	ND
2-18-PB-02	Exterior Courtyard	Door Header	1.4
2-18-PB-03	Exterior Upper Level North Duplicate	Granite Sill	ND
2-18-PB-04	Blank	N/A	ND
20190222-HR-01	Exterior Courtyard	Door Header	ND
20190222-HR-02	Blank	N/A	ND

ND= None detected above laboratory reporting limit

Figures



BASEMENT LEVEL
1/16" = 1'

UPPER, INTERMEDIATE & LOWER FIRST FLOOR LEVELS
1/16" = 1'

SAMPLE ID
1 (1/4/18)
- SAMPLE NUMBER
- DATE COLLECTED

SAMPLE ID	TOTAL PCBs (ug/100cm2)
20 (1/4/18)	29
ENCAP (GS)	

- MATERIAL SAMPLED
- LOCATION (SEE LEGEND ADJACENT)
- GREY SHADING INDICATES PCBs DETECTED AT A CONCENTRATION GREATER THAN 1 ug/100cm2 (microgram per square centimeter)

LOCATIONS
(GS) = GRANITE SILL
(WS) = WINDOW SILL
(CL) = COLUMN
(G) = GRATE

MATERIAL
ENCAP = ENCAPSULATE
DUST

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1/16" = 1'
VERT.:
DATUM:
HORZ.:
VERT.:

FUSS & O'NEILL
EnviroScience, LLC
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

TOWN OF SUFFIELD
WIPE SAMPLE LOCATIONS
FLOOR PLAN
KENT MEMORIAL LIBRARY
50 NORTH MAIN STREET
SUFFIELD, CONNECTICUT

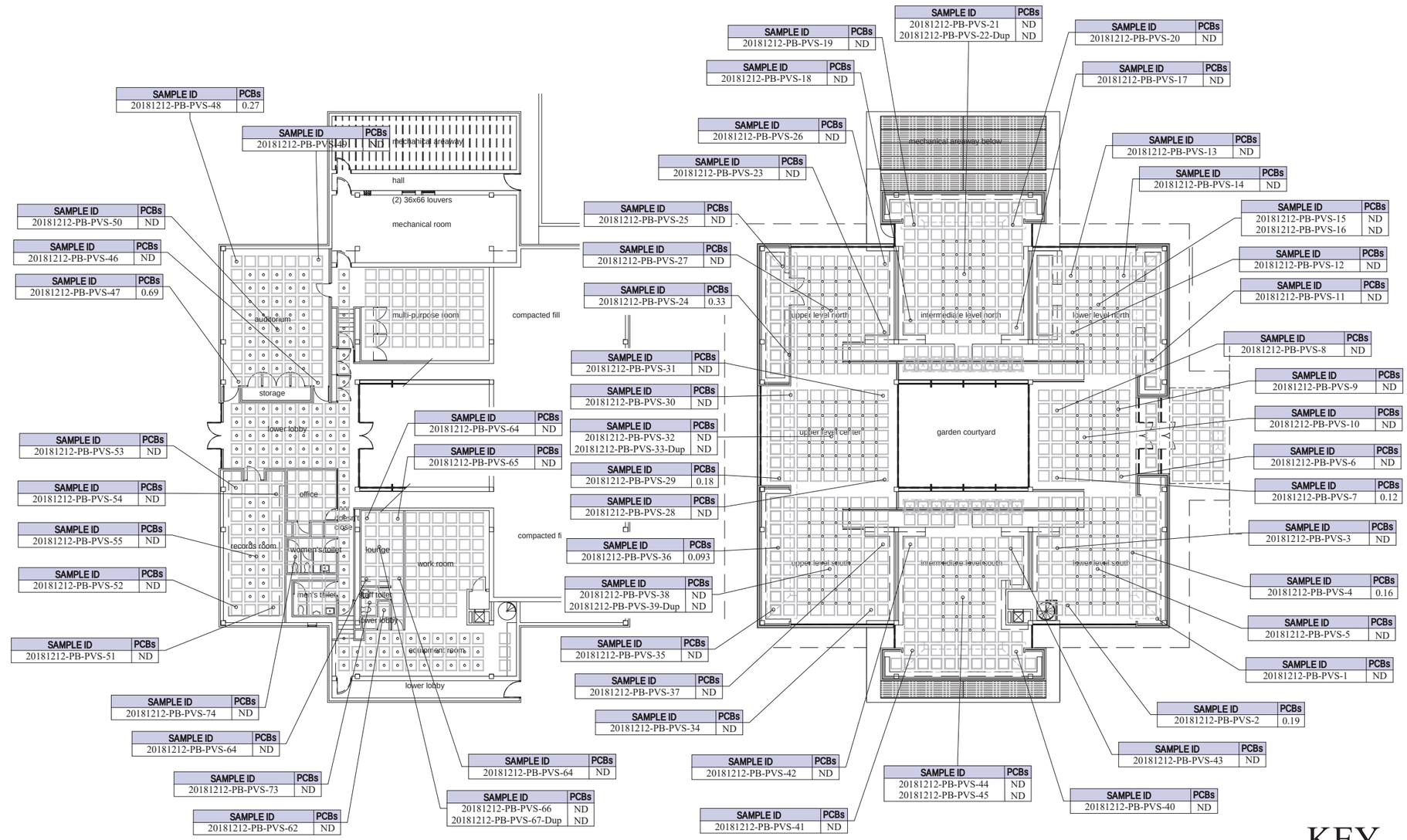
PROJ. No.: 20151259A3E
DATE: JANUARY 2018

FIG 1

File Path: J:\DWG\P2015\12591259A3E\Environmental\Plan\20151259A3E_STP01_wipe sample floor plan.dwg Layout: 18X24-L Plotted: Mon, January 29, 2018 - 11:27 AM User: srochelt
Plotter: DWG TO PDF.PC3 CTB File: FO HALF.STB
LAYER STATE:
MS VIEW:

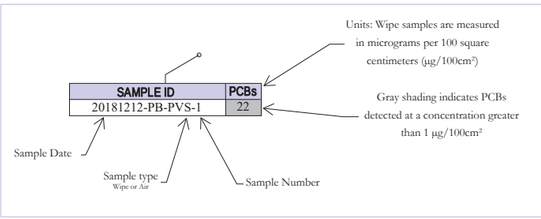
BASEMENT LEVEL
1/16" = 1'

UPPER, INTERMEDIATE & LOWER FIRST FLOOR LEVELS
1/16" = 1'



SAMPLE ID	PCBs
20181212-PB-PVS-48	0.27
20181212-PB-PVS-49	ND
20181212-PB-PVS-50	ND
20181212-PB-PVS-46	ND
20181212-PB-PVS-47	0.69
20181212-PB-PVS-53	ND
20181212-PB-PVS-54	ND
20181212-PB-PVS-55	ND
20181212-PB-PVS-52	ND
20181212-PB-PVS-51	ND
20181212-PB-PVS-74	ND
20181212-PB-PVS-64	ND
20181212-PB-PVS-73	ND
20181212-PB-PVS-62	ND
20181212-PB-PVS-64	ND
20181212-PB-PVS-65	ND
20181212-PB-PVS-64	ND
20181212-PB-PVS-66	ND
20181212-PB-PVS-67-Dup	ND
20181212-PB-PVS-25	ND
20181212-PB-PVS-27	ND
20181212-PB-PVS-24	0.33
20181212-PB-PVS-31	ND
20181212-PB-PVS-30	ND
20181212-PB-PVS-32	ND
20181212-PB-PVS-33-Dup	ND
20181212-PB-PVS-29	0.18
20181212-PB-PVS-28	ND
20181212-PB-PVS-36	0.093
20181212-PB-PVS-38	ND
20181212-PB-PVS-39-Dup	ND
20181212-PB-PVS-35	ND
20181212-PB-PVS-37	ND
20181212-PB-PVS-34	ND
20181212-PB-PVS-42	ND
20181212-PB-PVS-41	ND
20181212-PB-PVS-44	ND
20181212-PB-PVS-45	ND
20181212-PB-PVS-40	ND
20181212-PB-PVS-43	ND
20181212-PB-PVS-2	0.19
20181212-PB-PVS-1	ND
20181212-PB-PVS-5	ND
20181212-PB-PVS-4	0.16
20181212-PB-PVS-3	ND
20181212-PB-PVS-7	0.12
20181212-PB-PVS-6	ND
20181212-PB-PVS-10	ND
20181212-PB-PVS-9	ND
20181212-PB-PVS-8	ND
20181212-PB-PVS-11	ND
20181212-PB-PVS-12	ND
20181212-PB-PVS-15	ND
20181212-PB-PVS-16	ND
20181212-PB-PVS-14	ND
20181212-PB-PVS-13	ND
20181212-PB-PVS-17	ND
20181212-PB-PVS-20	ND
20181212-PB-PVS-21	ND
20181212-PB-PVS-22-Dup	ND
20181212-PB-PVS-19	ND
20181212-PB-PVS-18	ND
20181212-PB-PVS-26	ND
20181212-PB-PVS-23	ND

KEY



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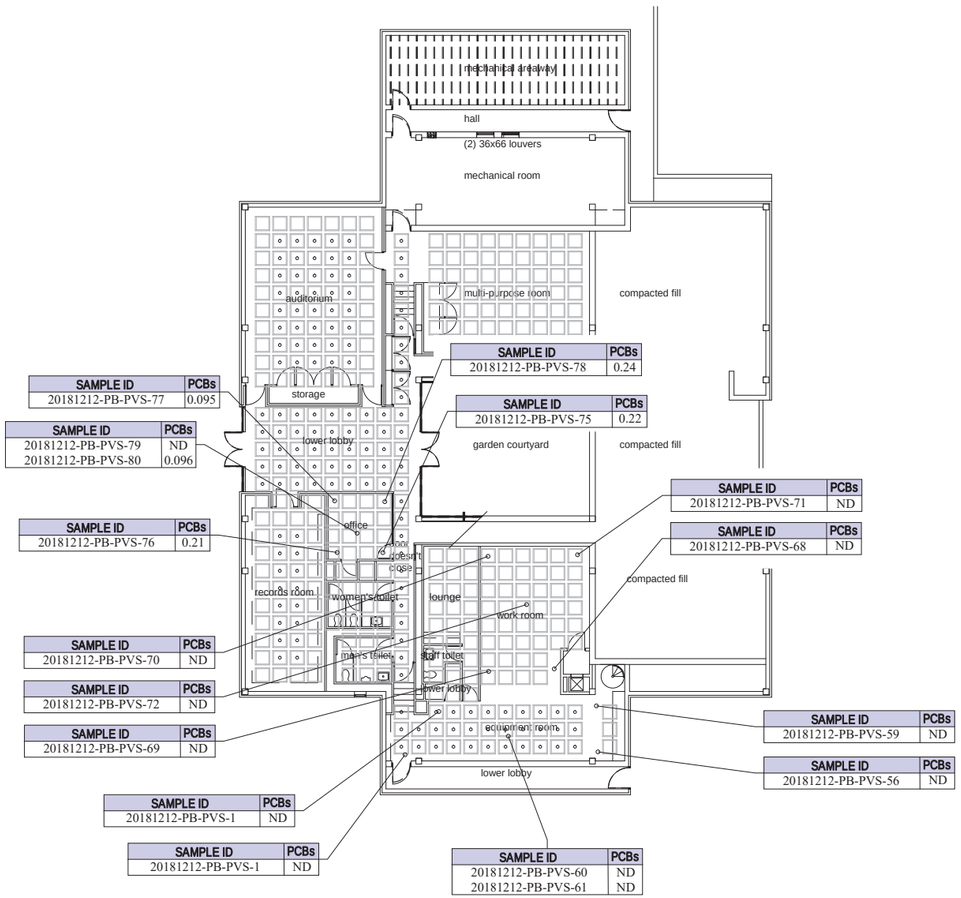
50 NORTH MAIN STREET — SUFFIELD, CONNECTICUT

PROJ. No.: 20151259.A30
DATE: 1/24/2019

FIG 2

BASEMENT LEVEL

1/16" = 1'



SAMPLE ID	PCBs
20181212-PB-PVS-77	0.095

SAMPLE ID	PCBs
20181212-PB-PVS-79	ND
20181212-PB-PVS-80	0.096

SAMPLE ID	PCBs
20181212-PB-PVS-76	0.21

SAMPLE ID	PCBs
20181212-PB-PVS-70	ND

SAMPLE ID	PCBs
20181212-PB-PVS-72	ND

SAMPLE ID	PCBs
20181212-PB-PVS-69	ND

SAMPLE ID	PCBs
20181212-PB-PVS-1	ND

SAMPLE ID	PCBs
20181212-PB-PVS-1	ND

SAMPLE ID	PCBs
20181212-PB-PVS-78	0.24

SAMPLE ID	PCBs
20181212-PB-PVS-75	0.22

SAMPLE ID	PCBs
20181212-PB-PVS-60	ND
20181212-PB-PVS-61	ND

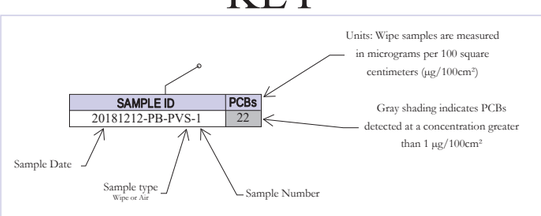
SAMPLE ID	PCBs
20181212-PB-PVS-71	ND

SAMPLE ID	PCBs
20181212-PB-PVS-68	ND

SAMPLE ID	PCBs
20181212-PB-PVS-59	ND

SAMPLE ID	PCBs
20181212-PB-PVS-56	ND

KEY



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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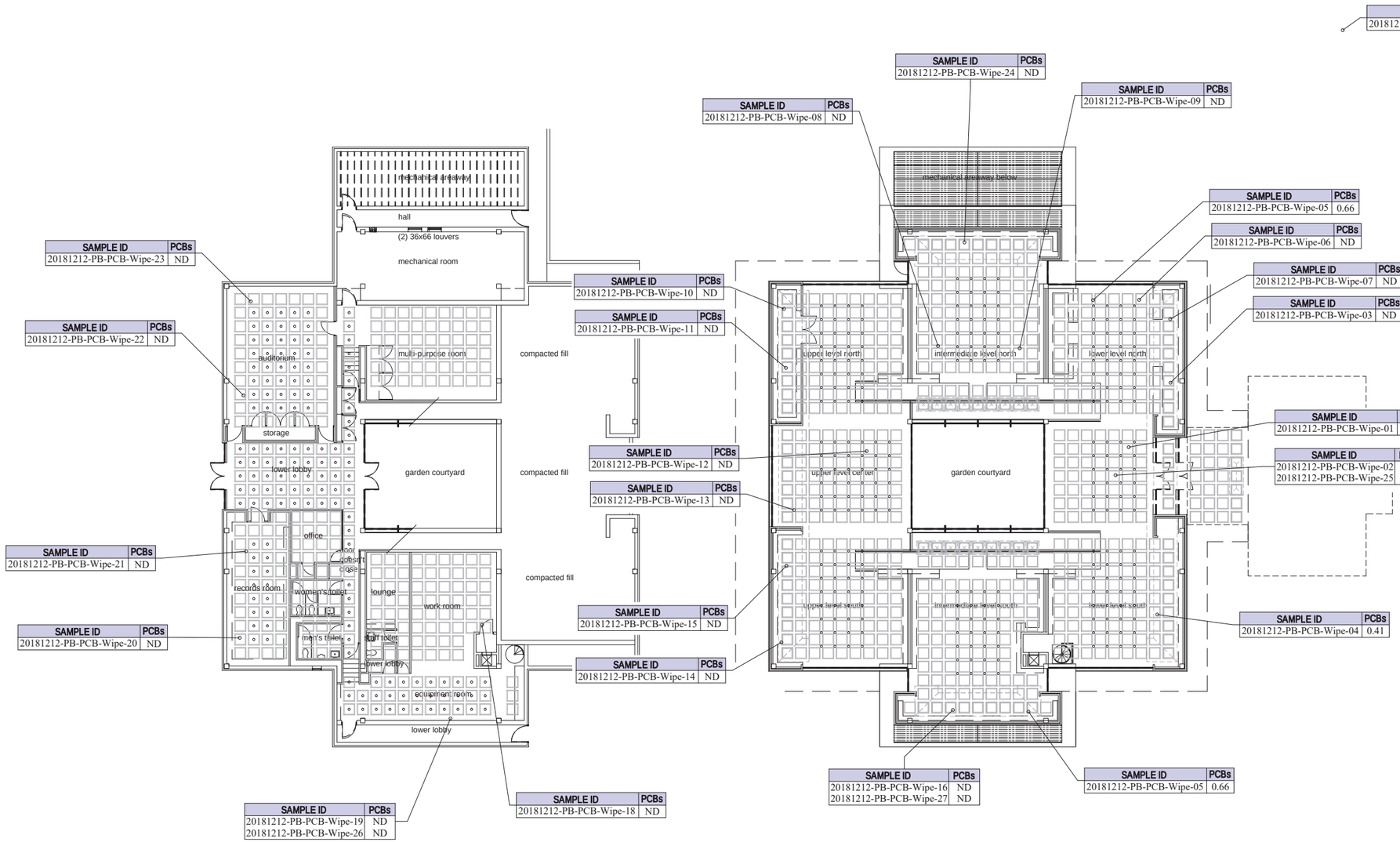
PROJ. No.: 20151259.A50
DATE: 1/24/2019

FIG 2

BASEMENT LEVEL
1/16" = 1'

UPPER, INTERMEDIATE & LOWER FIRST FLOOR LEVELS
1/16" = 1'



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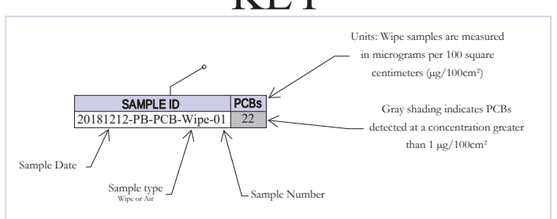

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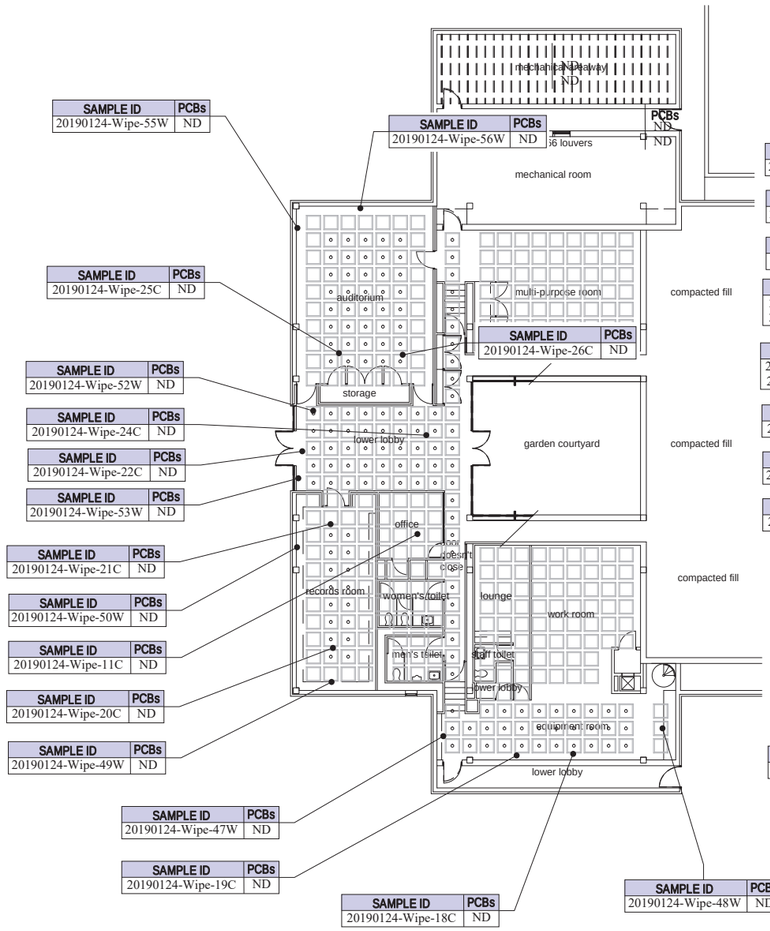
DATE: 1/24/2019

FIG 3

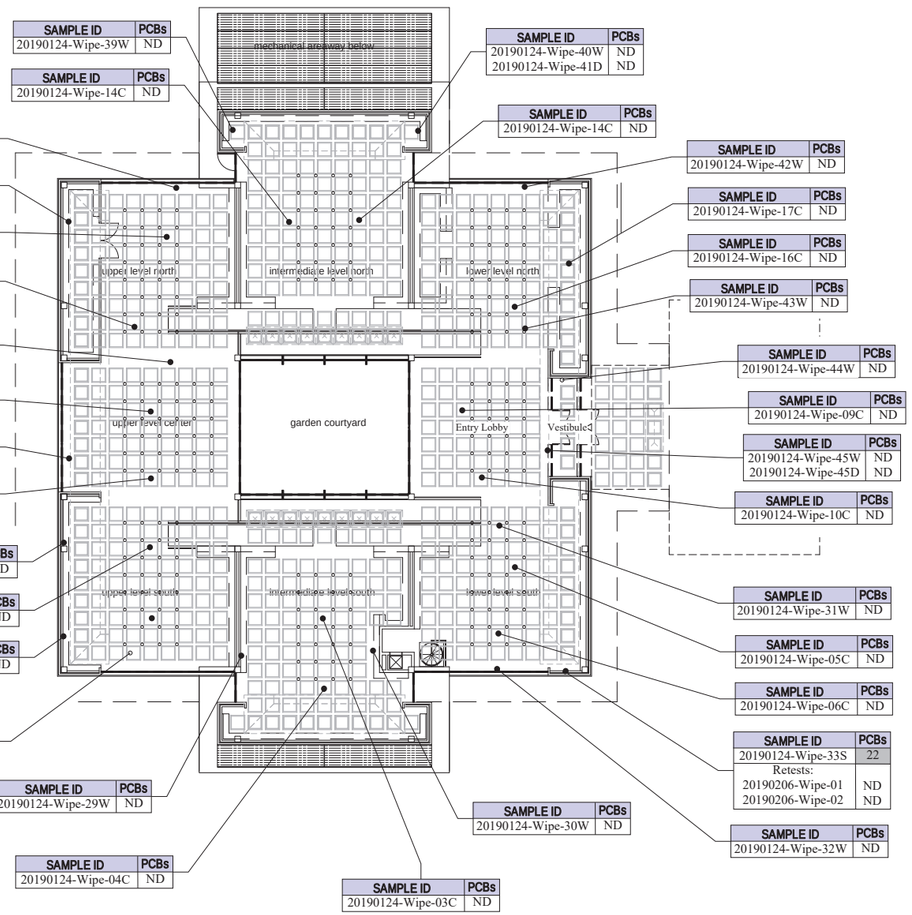
File Path: J:\DWG\P2015\11259\A3E\Environmental\Plan\20151259A3E_STP01_wipe samples cieling plan.dwg Layout: 18X24-L Plotted: Mon, January 29, 2018 - 11:29 AM User: srochelt
Plotter: DWG TO PDF.PC3 CTB File: FO HALF.STB
LAYER STATE:
MS VIEW:

BASEMENT LEVEL
1/16" = 1'



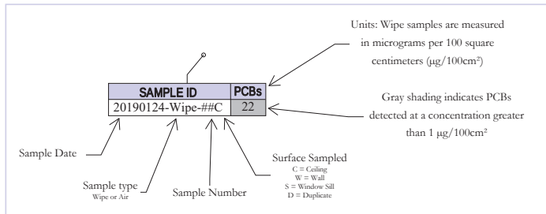
SAMPLE ID	PCBs
20190124-Wipe-55W	ND
20190124-Wipe-56W	ND
20190124-Wipe-25C	ND
20190124-Wipe-26C	ND
20190124-Wipe-52W	ND
20190124-Wipe-24C	ND
20190124-Wipe-22C	ND
20190124-Wipe-53W	ND
20190124-Wipe-21C	ND
20190124-Wipe-50W	ND
20190124-Wipe-11C	ND
20190124-Wipe-20C	ND
20190124-Wipe-49W	ND
20190124-Wipe-47W	ND
20190124-Wipe-19C	ND
20190124-Wipe-18C	ND
20190124-Wipe-48W	ND
20190124-Wipe-38W	ND
20190124-Wipe-37W	ND
20190124-Wipe-11C	ND
20190124-Wipe-12C	ND
20190124-Wipe-13D	ND
20190124-Wipe-35W	ND
20190124-Wipe-36D	ND
20190124-Wipe-07C	ND
20190124-Wipe-34W	ND
20190124-Wipe-08C	ND
20190124-Wipe-28W	ND
20190124-Wipe-02C	ND
20190124-Wipe-27W	ND
20190124-Wipe-01C	ND

UPPER, INTERMEDIATE & LOWER FIRST FLOOR LEVELS
1/16" = 1'



SAMPLE ID	PCBs
20190124-Wipe-39W	ND
20190124-Wipe-14C	ND
20190124-Wipe-40W	ND
20190124-Wipe-41D	ND
20190124-Wipe-14C	ND
20190124-Wipe-42W	ND
20190124-Wipe-17C	ND
20190124-Wipe-16C	ND
20190124-Wipe-43W	ND
20190124-Wipe-44W	ND
20190124-Wipe-09C	ND
20190124-Wipe-45W	ND
20190124-Wipe-45D	ND
20190124-Wipe-10C	ND
20190124-Wipe-31W	ND
20190124-Wipe-05C	ND
20190124-Wipe-06C	ND
20190124-Wipe-33S	22
Retests: 20190206-Wipe-01	ND
Retests: 20190206-Wipe-02	ND
20190124-Wipe-32W	ND
20190124-Wipe-29W	ND
20190124-Wipe-30W	ND
20190124-Wipe-04C	ND
20190124-Wipe-03C	ND

KEY



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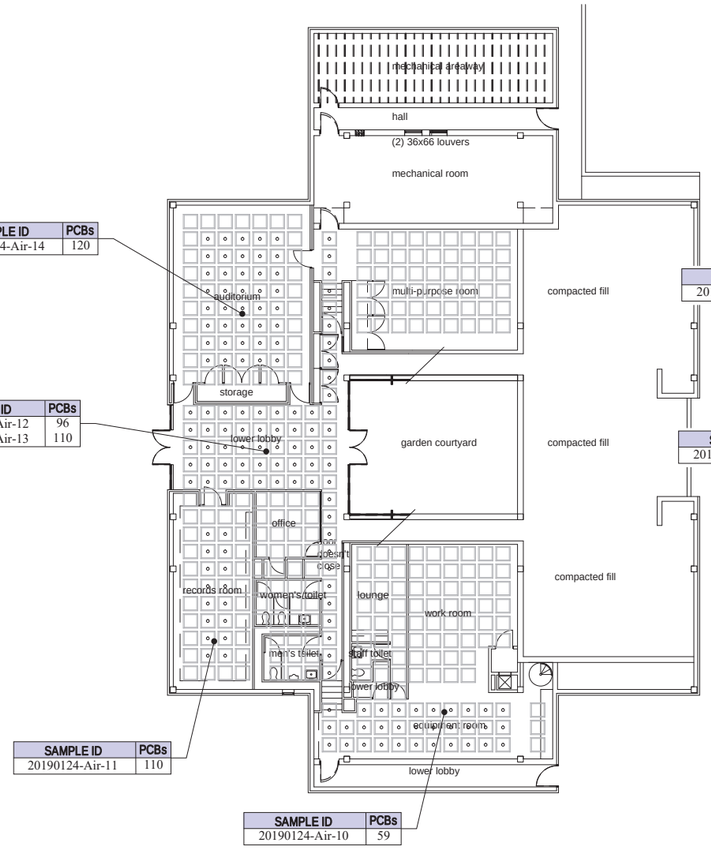
50 NORTH MAIN STREET — SUFFIELD, CONNECTICUT

PROJ. No.: 20151259.A50
DATE: 1/24/2019

FIG 4

File Path: J:\DWG\P2015\1259\A3E\Environmental\Plan\20151259A3E_STP01_wipe samples cieling plan.dwg Layout: 18X24-L Plotted: Mon, January 29, 2018 - 11:29 AM User: srochelt
MS VIEW: LAYER STATE: Plotter: DWG TO PDF.PC3 CTB File: FO HALF.STB

BASEMENT LEVEL
1/16" = 1'



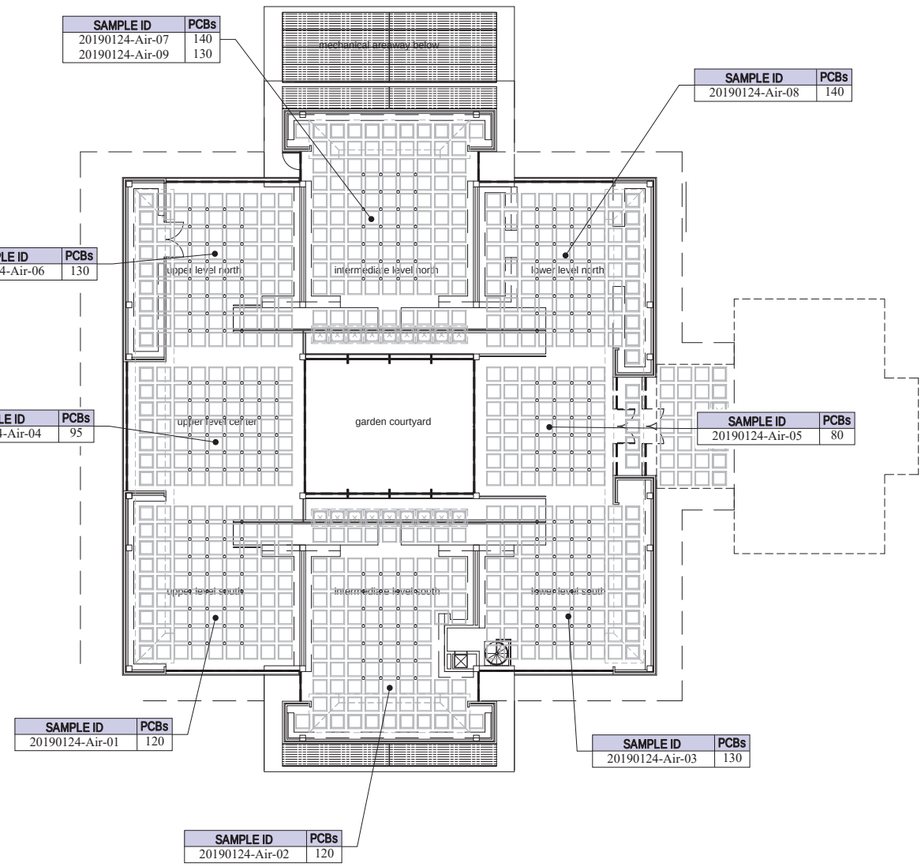
SAMPLE ID	PCBs
20190124-Air-14	120

SAMPLE ID	PCBs
20190124-Air-12	96
20190124-Air-13	110

SAMPLE ID	PCBs
20190124-Air-11	110

SAMPLE ID	PCBs
20190124-Air-10	59

UPPER, INTERMEDIATE & LOWER FIRST FLOOR LEVELS
1/16" = 1'



SAMPLE ID	PCBs
20190124-Air-07	140
20190124-Air-09	130

SAMPLE ID	PCBs
20190124-Air-08	140

SAMPLE ID	PCBs
20190124-Air-06	130

SAMPLE ID	PCBs
20190124-Air-04	95

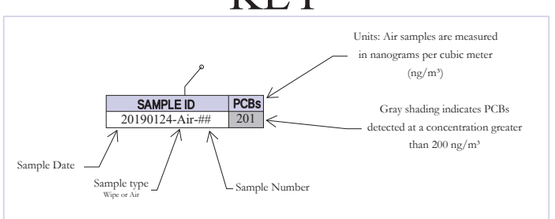
SAMPLE ID	PCBs
20190124-Air-05	80

SAMPLE ID	PCBs
20190124-Air-01	120

SAMPLE ID	PCBs
20190124-Air-03	130

SAMPLE ID	PCBs
20190124-Air-02	120

KEY



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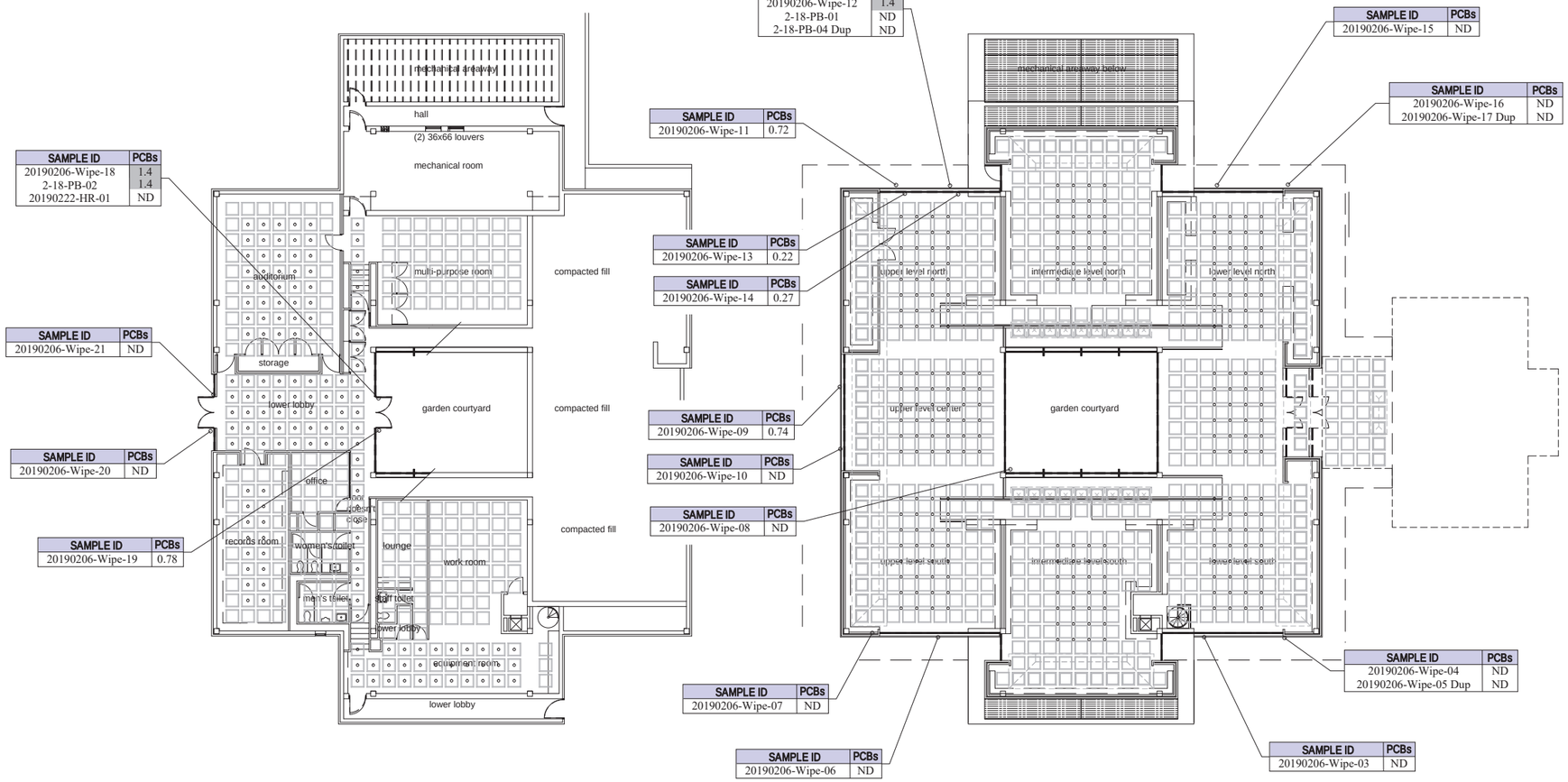
PROJ. No.: 20151259.A50
DATE: 1/24/2019

FIG 5

File Path: J:\DWG\P2015\11259\A3E\Environmental\Plan\20151259A3E_STP01_wipe samples cieling plan.dwg Layout: 18X24-L Plotted: Mon, January 29, 2018 - 11:29 AM User: srochelt
MS VIEW:
LAYER STATE:
Plotter: DWG TO PDF.PC3 CTB File: FO HALF.STB

BASEMENT LEVEL
1/16" = 1'

UPPER, INTERMEDIATE & LOWER FIRST FLOOR LEVELS
1/16" = 1'



SAMPLE ID	PCBs
20190206-Wipe-01	22

SAMPLE ID	PCBs
20190206-Wipe-04	ND
20190206-Wipe-05 Dup	ND

SAMPLE ID	PCBs
20190206-Wipe-12	1.4
2-18-PB-01	ND
2-18-PB-04 Dup	ND

SAMPLE ID	PCBs
20190206-Wipe-15	ND

SAMPLE ID	PCBs
20190206-Wipe-16	ND
20190206-Wipe-17 Dup	ND

SAMPLE ID	PCBs
20190206-Wipe-11	0.72

SAMPLE ID	PCBs
20190206-Wipe-18	1.4
2-18-PB-02	1.4
20190222-HR-01	ND

SAMPLE ID	PCBs
20190206-Wipe-13	0.22

SAMPLE ID	PCBs
20190206-Wipe-14	0.27

SAMPLE ID	PCBs
20190206-Wipe-21	ND

SAMPLE ID	PCBs
20190206-Wipe-09	0.74

SAMPLE ID	PCBs
20190206-Wipe-10	ND

SAMPLE ID	PCBs
20190206-Wipe-20	ND

SAMPLE ID	PCBs
20190206-Wipe-08	ND

SAMPLE ID	PCBs
20190206-Wipe-19	0.78

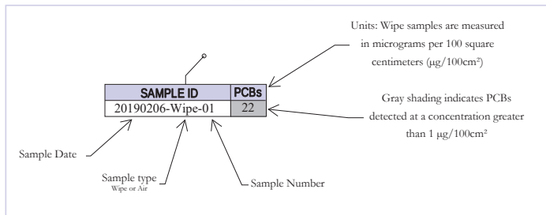
SAMPLE ID	PCBs
20190206-Wipe-04	ND
20190206-Wipe-05 Dup	ND

SAMPLE ID	PCBs
20190206-Wipe-07	ND

SAMPLE ID	PCBs
20190206-Wipe-06	ND

SAMPLE ID	PCBs
20190206-Wipe-03	ND

KEY



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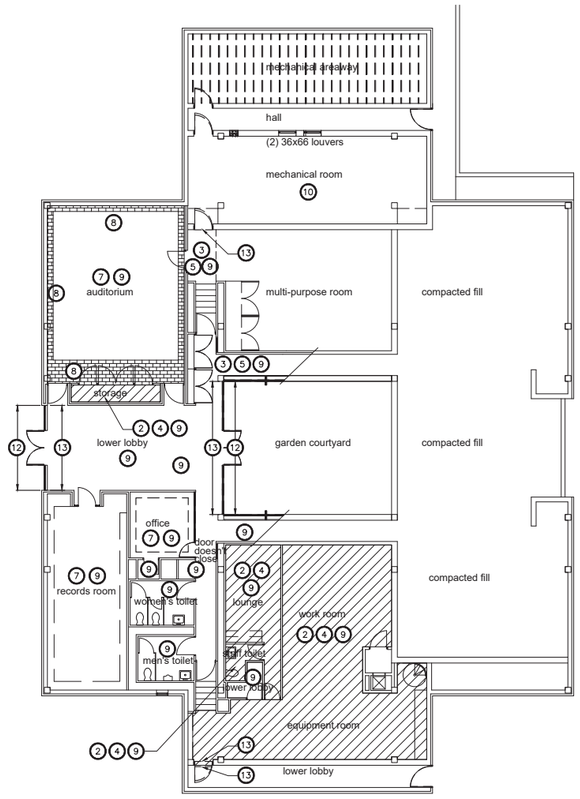
50 NORTH MAIN STREET — SUFFIELD, CONNECTICUT

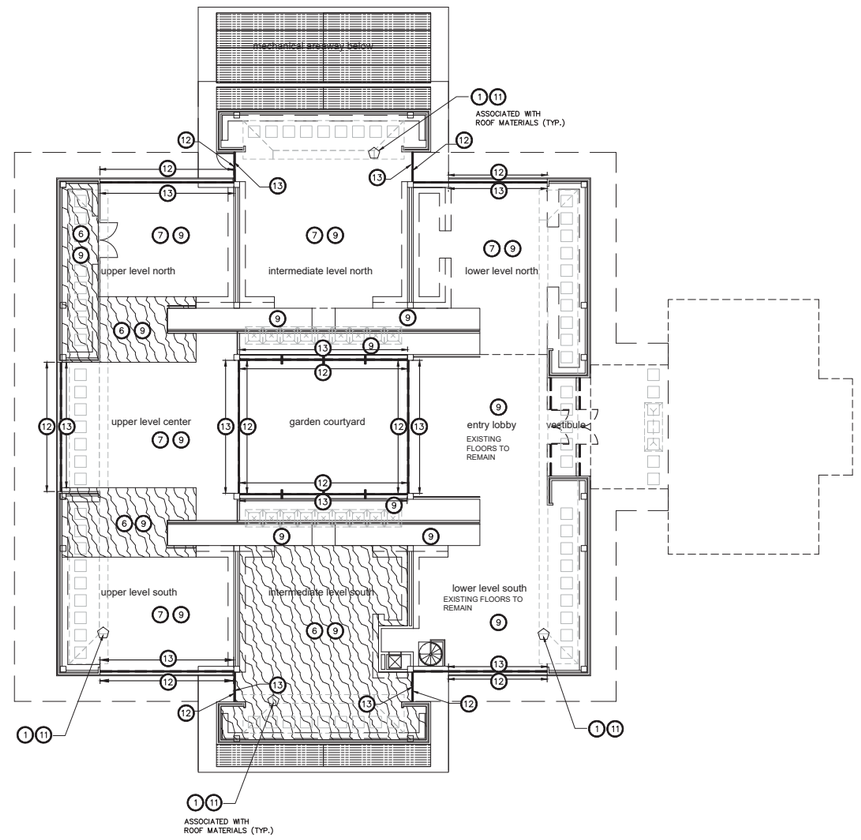
PROJ. No.: 20151259.A50
DATE: 1/24/2019

FIG 6



BASEMENT LEVEL

1/16" = 1'



UPPER, INTERMEDIATE & LOWER FIRST FLOOR LEVELS

1/16" = 1'

FLOORING AREAS	
FLOOR TYPE	AREA (SQ. FT.)
ASBESTOS FLOOR TILE	1170.4
CONCRETE FLOORS UNDER CARPET	4164.2
CONCRETE FLOORS NO CARPET	535.2
WOOD FLOORS	1596.1
BRICK FLOORS	173.4

LEGEND

- ASBESTOS / PCB CONTAINING FLOOR TILE AND ASSOCIATED MASTIC
- WOOD FLOOR AREA
- BRICK FLOOR AREA

HAZARDOUS MATERIAL ABATEMENT NOTES

1. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF CAULKING BETWEEN ROOF PANEL JOINTS AND COLUMNS/BEAMS AS ASSUMED PCB BULK PRODUCT WASTE > 50 PPM. CAULK JOINT AND TWO INCHES EITHER SIDE SHALL BE ENCAPSULATED.
2. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF 12 X 12 FLOOR TILE AND ASSOCIATED MASTIC ADHESIVE AS ACM. COORDINATE WORK WITH PCB REMEDIATION SECTION 02 84 34 FOR COMBINED WASTE DISPOSAL AS INTERIOR FLOORING MASTIC MATERIALS ALSO CONTAIN PCBS < 50 PPM.
3. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF INTERIOR 2 X 2 CEILING TILES WITH ASBESTOS CONTAINING GLUE DAUBS AS ACM. COORDINATE WORK WITH PCB REMEDIATION SECTION 02 84 34 FOR COMBINED WASTE DISPOSAL AS CEILING TILES AND GLUE DAUB MATERIALS ALSO CONTAIN PCBS < 50 PPM.
4. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF VINYL COVE BASE AND ASSOCIATED MASTIC ADHESIVE. MATERIALS SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
5. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL PAINT FROM EXISTING CEILINGS AND CONCRETE BEAMS ASSOCIATED WITH COFFERED CEILING SYSTEMS THROUGHOUT THE FACILITY. DISPOSE OF ALL WASTE AS PCB BULK PRODUCT WASTE > 50 PPM. CLEAN AND ENCAPSULATE CEILINGS AND BEAMS WITH EPOXY PRIMER AND FINISH COATS.
6. THE ABATEMENT CONTRACTOR SHALL STRIP ALL SEALANTS AND COATINGS FROM EXISTING PARQUET STYLE WOOD FLOORS USING MECHANICAL SANDERS EQUIPPED WITH HEPA SHROUDS TO REMOVE TO BARE WOOD. STRIPPING DEBRIS AND DUST SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
7. THE ABATEMENT CONTRACTOR SHALL STRIP ALL SEALANTS COATINGS AND MASTICS FROM EXISTING POROUS CONCRETE FLOOR SURFACES USING MECHANICAL SANDERS EQUIPPED WITH HEPA SHROUDS TO REMOVE TO SUBSTRATE. CARPETING COVERING EXISTING CONCRETE FLOORS SHALL BE REMOVED IN ITS ENTIRETY FOR DISPOSAL. ALL CARPETING, STRIPPING DEBRIS AND DUST SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
8. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING POROUS BRICK FLOOR SURFACES IN THEIR ENTIRETY INCLUDING MORTAR DUE TO PRESENCE OF SEALANT COATINGS. MATERIALS SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PM.
9. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED INTERIOR WALL AND COLUMNS (CONCRETE, CONCRETE BLOCK AND BRICK) WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
10. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING EXPOSED CONCRETE CEILINGS WITHIN MECHANICAL ROOM WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
11. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED CEILINGS AND BEAMS ASSOCIATED WITH ROOF MONITORS WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
12. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE ENCAPSULATION OF ALL EXISTING POROUS SURFACES ON THE EXTERIOR OF THE BUILDING WHERE PREVIOUS APPLICATIONS OF ENCAPSULANT HAVE BEEN UTILIZED. THIS INCLUDES CONCRETE AND GRANITE SILLS, HEADS AND COLUMNS ASSOCIATED WITH WINDOWS AND DOORS. EXISTING ACRYLIC PRODUCTS UTILIZED SHALL BE STRIPPED TO FACILITATE NEW PRODUCT. THE ABATEMENT CONTRACTOR SHALL INSTALL A TWO-PART EPOXY PRODUCT. A TOTAL OF TWO COATS ARE PROPOSED AS RECOMMENDED BY MANUFACTURER'S REQUIREMENTS.
13. THE ABATEMENT CONTRACTOR SHALL RE-ENCAPSULATE ALL INTERIOR SURFACES WHERE PREVIOUS ENCAPSULATION HAS BEEN APPLIED. EXISTING ACRYLIC PRODUCTS UTILIZED SUCH AS SIKAGARD 670 W CLEAR ACRYLIC SHALL BE RE-INSTALLED TO PROVIDE ADDITIONAL COVERAGE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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HAZARDOUS MATERIALS ABATEMENT FLOOR PLANS

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DATE: MARCH 2018

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File Path: J:\DWG\P2015\1259\A3E\Environmental\Plan\20151259A3E_STP03_haz mat floor plans.dwg Layout: 18X24-L Plotted: Mon, March 05, 2018 - 11:54 AM User: srochelt
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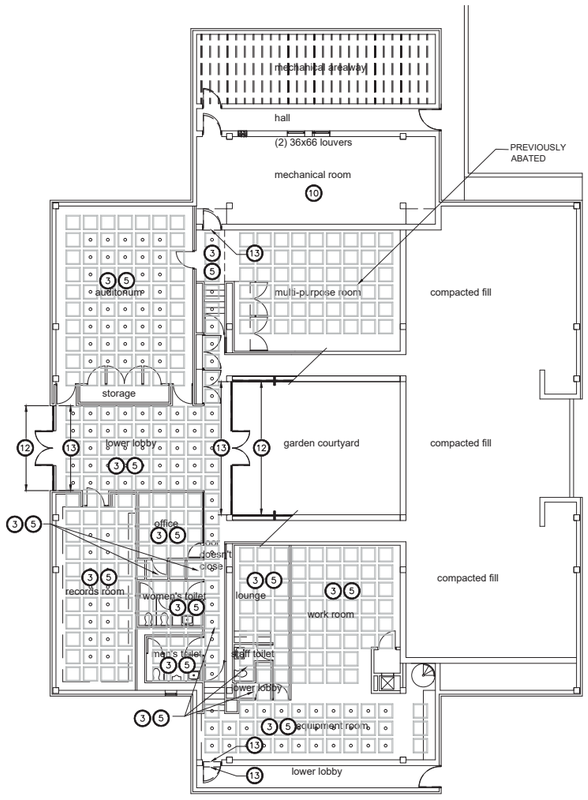
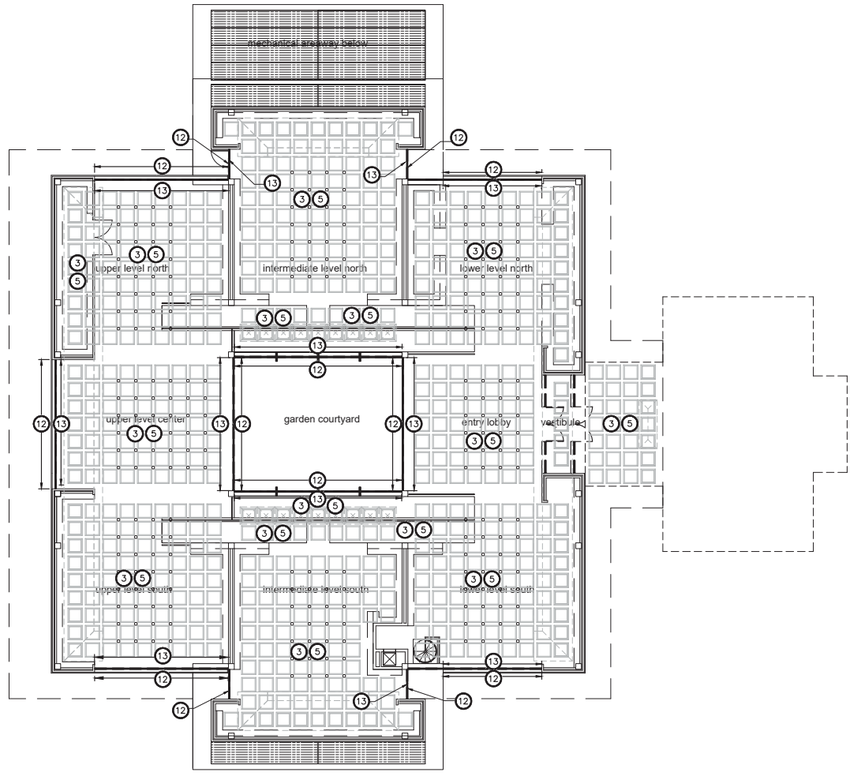


BASEMENT LEVEL REFLECTED CEILING PLAN

1/16" = 1'



UPPER, INTERMEDIATE & LOWER REFLECTED CEILING PLAN

1/16" = 1'

HAZARDOUS MATERIAL ABATEMENT NOTES

1. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF CAULKING BETWEEN ROOF PANEL JOINTS AND COLUMNS/BEAMS AS ASSUMED PCB BULK PRODUCT WASTE > 50 PPM. CAULK JOINT AND TWO INCHES EITHER SIDE SHALL BE ENCAPSULATED.
2. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF 12 X 12 FLOOR TILE AND ASSOCIATED MASTIC ADHESIVE AS ACM. COORDINATE WORK WITH PCB REMEDIATION SECTION 02 84 34 FOR COMBINED WASTE DISPOSAL AS INTERIOR FLOORING MASTIC MATERIALS ALSO CONTAIN PCBS < 50 PPM.
3. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF INTERIOR 2 X 2 CEILING TILES WITH ASBESTOS CONTAINING GLUE DAUBS AS ACM. COORDINATE WORK WITH PCB REMEDIATION SECTION 02 84 34 FOR COMBINED WASTE DISPOSAL AS CEILING TILES AND GLUE DAUB MATERIALS ALSO CONTAIN PCBS < 50 PPM.
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5. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL PAINT FROM EXISTING CEILINGS AND CONCRETE BEAMS ASSOCIATED WITH COFFERED CEILING SYSTEMS THROUGHOUT THE FACILITY. DISPOSE OF ALL WASTE AS PCB BULK PRODUCT WASTE > 50 PPM. CLEAN AND ENCAPSULATE CEILINGS AND BEAMS WITH EPOXY PRIMER AND FINISH COATS.
6. THE ABATEMENT CONTRACTOR SHALL STRIP ALL SEALANTS AND COATINGS FROM EXISTING PARQUET STYLE WOOD FLOORS USING MECHANICAL SANDERS EQUIPPED WITH HEPA SHROUDS TO REMOVE TO BARE WOOD. STRIPPING DEBRIS AND DUST SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
7. THE ABATEMENT CONTRACTOR SHALL STRIP ALL SEALANTS COATINGS AND MASTICS FROM EXISTING POROUS CONCRETE FLOOR SURFACES USING MECHANICAL SANDERS EQUIPPED WITH HEPA SHROUDS TO REMOVE TO SUBSTRATE. CARPETING COVERING EXISTING CONCRETE FLOORS SHALL BE REMOVED IN ITS ENTIRETY FOR DISPOSAL. ALL CARPETING, STRIPPING DEBRIS AND DUST SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
8. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING POROUS BRICK FLOOR SURFACES IN THEIR ENTIRETY INCLUDING MORTAR DUE TO PRESENCE OF SEALANT COATINGS. MATERIALS SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PM.
9. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED INTERIOR WALL AND COLUMNS (CONCRETE, CONCRETE BLOCK AND BRICK) WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
10. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING EXPOSED CONCRETE CEILINGS WITHIN MECHANICAL ROOM WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
11. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED CEILINGS AND BEAMS ASSOCIATED WITH ROOF MONITORS WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
12. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE ENCAPSULATION OF ALL EXISTING POROUS SURFACES ON THE EXTERIOR OF THE BUILDING WHERE PREVIOUS APPLICATIONS OF ENCAPSULANT HAVE BEEN UTILIZED. THIS INCLUDES CONCRETE AND GRANITE SILLS, HEADS AND COLUMNS ASSOCIATED WITH WINDOWS AND DOORS. EXISTING ACRYLIC PRODUCTS UTILIZED SHALL BE STRIPPED TO FACILITATE NEW PRODUCT. THE ABATEMENT CONTRACTOR SHALL INSTALL A TWO-PART EPOXY PRODUCT. A TOTAL OF TWO COATS ARE PROPOSED AS RECOMMENDED BY MANUFACTURER'S REQUIREMENTS.
13. THE ABATEMENT CONTRACTOR SHALL RE-ENCAPSULATE ALL INTERIOR SURFACES WHERE PREVIOUS ENCAPSULATION HAS BEEN APPLIED. EXISTING ACRYLIC PRODUCTS UTILIZED SUCH AS SIKAGARD 670 W CLEAR ACRYLIC SHALL BE RE-INSTALLED TO PROVIDE ADDITIONAL COVERAGE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1/16" = 1'
VERT.:
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VERT.:

FUSS & O'NEILL
EnviroScience, LLC
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

TOWN OF SUFFIELD

HAZARDOUS MATERIALS ABATEMENT
REFLECTED CEILING PLANS

KENT MEMORIAL LIBRARY

50 NORTH MAIN STREET SUFFIELD, CONNECTICUT

PROJ. No.: 20151259A3E
DATE: MARCH 2018

HM-02

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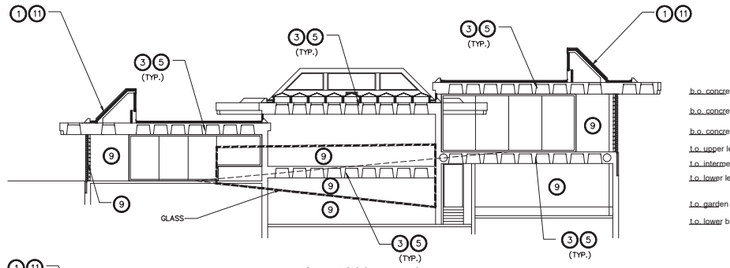
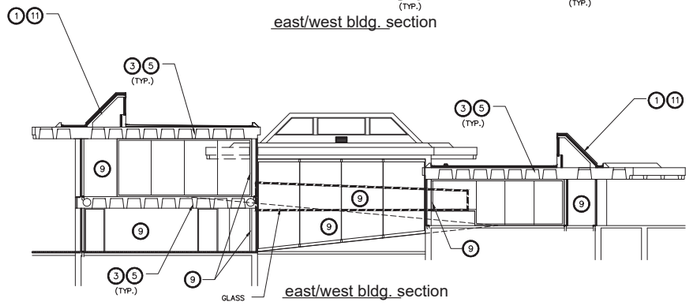


east/west bldg. section

b.o. concrete structure: 199'-6"
b.o. concrete structure: 196'-0"
b.o. concrete structure: 192'-6"
t.o. upper level: 189'-6"
t.o. intermediate level: 187'-0"
t.o. lower level: 184'-6"
t.o. garden court: 180'-0"
t.o. lower basement: 177'-0"



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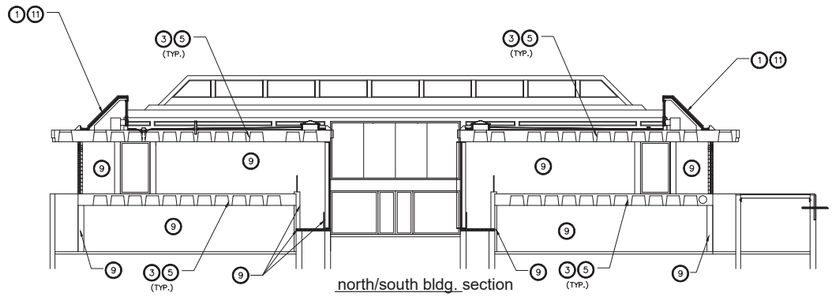
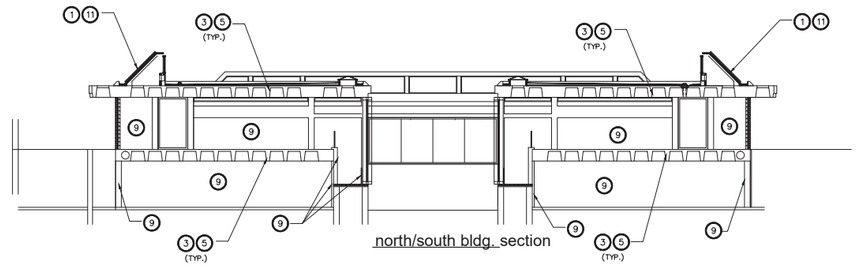


north/south bldg. section

b.o. concrete structure: 199'-6"
b.o. concrete structure: 196'-0"
b.o. concrete structure: 192'-6"
t.o. upper level: 189'-6"
t.o. intermediate level: 187'-0"
t.o. lower level: 184'-6"
t.o. garden court: 180'-0"
t.o. lower basement: 177'-0"



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HAZARDOUS MATERIAL ABATEMENT NOTES

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9. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED INTERIOR WALL AND COLUMNS (CONCRETE, CONCRETE BLOCK AND BRICK) WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
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11. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED CEILINGS AND BEAMS ASSOCIATED WITH ROOF MONITORS WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.

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TOWN OF SUFFIELD
HAZARDOUS MATERIALS ABATMENT
BUILDING SECTIONS
KENT MEMORIAL LIBRARY
50 NORTH MAIN STREET
SUFFIELD, CONNECTICUT

PROJ. No.: 20151259A3E
DATE: JANUARY 2018

HM-03

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LAYER STATE:
MS VIEW:

Appendix A

TRC's Request for Approval of TSCA Risk Based Clean-up of PCBs at Kent Memorial Library – July 2015

TRC
Results you can rely on

REQUEST FOR APPROVAL OF TSCA RISK-BASED CLEAN-UP OF PCBs AT KENT MEMORIAL LIBRARY

Site Location

50 NORTH MAIN STREET
SUFFIELD, CONNECTICUT

Prepared For

TOWN OF SUFFIELD

Prepared By

TRC
Windsor, Connecticut

July 2015

TRC
Results you can rely on

REQUEST FOR APPROVAL OF TSCA RISK-BASED CLEAN-UP OF PCBs AT KENT MEMORIAL LIBRARY

Site Location

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Prepared For

TOWN OF SUFFIELD

Prepared By

TRC
Windsor, Connecticut

TRC Project No. 223120.0020.0002

July 2015

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

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APPENDICIES

1.0 INTRODUCTION

On behalf of the Town of Suffield, TRC Environmental Corporation (TRC) has prepared this Request for Approval of a Risk-Based Clean-Up of Polychlorinated Biphenyls (PCBs) (Request) in accordance with the Toxic Substances Control Act (TSCA). The Request is provided for planned exterior and interior window and door replacement activities at the Kent Memorial Library (KML) located at 50 North Main Street Suffield, Connecticut, hereby referred to as the "Site."

Multiple interior and exterior caulk material samples around interior and exterior windows and doors have been identified as containing PCBs at concentrations greater than 50 parts per million (ppm). It is believed that the caulks were manufactured containing PCBs and, therefore, the materials can be treated as PCB Bulk Product Waste. Materials abutting PCB Bulk Product Waste have also been identified in concentrations exceeding 1 ppm and therefore are defined by TSCA as PCB Remediation Waste. This Request is provided to support the interior and exterior window and door replacement activities where PCB Bulk Product Waste and PCB Remediation Waste have been identified. In summary, all PCB Bulk Product Waste will be removed, and PCB Remediation Waste will either be removed (i.e., soil) or be encapsulated and left in place (i.e., substrate materials).

This Request has been prepared in general accordance with TSCA requirements for a risk-based clean-up plan, as outlined at 40 CFR 761.61(c). 40 CFR 761.61(c) indicates that all the information outlined in 40 CFR 761(a) (Self-Implementing Clean-up) must be provided. 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. Therefore various references are made throughout this document to 40 CFR 761.61(a), even though this submittal is for a risk-based clean-up under 40 CFR 761.61(c).

The following is information regarding the entity submitting this Request.

Mr. John P. Cloonan
Director of Public Works
Suffield Department of Public Works
230C Mountain Road
Suffield, CT 06078
(860)668-3890
jcloonan@suffieldtownhall.com

2.0 SITE BACKGROUND AND HISTORY

2.1 Site Description and Location

The Site consists of the Kent Memorial Library located at 50 North Main Street Suffield, Connecticut. See Figure 1 for an aerial view of the Site. The Kent Memorial Library was constructed in 1972. The building is approximately 15,200 square feet (SF) in size, with a 256 SF open exterior porch and a courtyard in the center of the building. The building is utilized as a public library and is a two-story building, with a partial basement that contains a small auditorium and office/storage space. The facility is built on a raised piece of land with asphalt parking on the east side, and brick walkways around the north, west and south sides.

2.2 Building Construction and Renovation History

The Kent Memorial Library was originally constructed in 1972 and has not undergone any prior renovation activities. Building construction is concrete and brick with a multi-level interior design. There is a steel rebar reinforced concrete "waffle", or coffered, roof deck that is essential to the structural stability of the building. The concrete columns, walls, ceiling deck and foundation slab act as structural components as well. Interior walls of the building are constructed of CMU and brick and floor slabs are concrete covered with wood flooring.

2.3 Description of Planned Renovation Activities

An addition to the library is currently under construction on the east side of the building, along with mechanical and electrical upgrades to the original building. Renovation designs for the Kent Memorial Library were submitted by an architect for the Town of Suffield and work commenced at the beginning of 2015. Renovation activities will include the removal and replacement of all windows and doors in the original building. In addition, lighting upgrades in the form of removal and replacement of all old-style fluorescent light, is included in the renovations. All fluorescent light ballasts will be assumed to contain PCBs and will be disposed of accordingly.

Please note that "mechanical areaway below" or pit on the upper intermediate and first floor demo plan contains two (2) AC condensers and one (1) transformer. The two (2) AC condensers were recently removed and Eversource is scheduled to remove the existing transformer in the next two (2) weeks. A new transformer will be located outside on the grass on the north side.

2.4 Previous PCB Investigations

TRC Environmental Corporation (TRC) conducted a hazardous materials inspection of the library in November 2010. In the report, "Hazardous Building Materials Survey Kent Memorial Library 50 North Main Street Suffield, Connecticut", dated November 2010 (See Appendix B for a copy of the report), TRC identified interior and exterior window and door caulking as being PCB-containing materials. Initial samples of the caulking materials were collected from accessible areas and analyzed using EPA Method 8082/3540C. The laboratory results indicated that PCB concentrations in the window and door caulk material ranged from 130,000 to 220,000 ppm. Due to limitations of the original survey, additional samples of building seam caulk were collected in May 2015. This building seam caulk was originally determined to be excluded product with a single sample result at 39 ppm; however, laboratory results for the two (2) additional samples revealed PCB concentrations of up to 1,700 ppm. The window glazing material is assumed to be PCB-containing and, therefore, was not sampled.

On July 3, 2013, TRC performed sampling of the porous concrete and brick to which the previously identified PCB-containing caulk was attached. Samples were collected at 0-inch, 3-inch and 6-inch distances from the PCB caulk bead at three (3) interior and three (3) exterior locations. The results of that sampling are detailing in "Report PCB Impacted Substrates and Surfaces Kent Memorial Library 50 North Main Street Suffield, Connecticut", dated November 2013, located in Appendix B. Only the 0" and 3" distance samples were analyzed, with the 6" samples held for possible future analysis. The three (3) interior locations were at the lower level mechanical room door, the lower level courtyard window column and lower level west side entry door. The three (3) exterior sample locations were below windows in the courtyard, and two (2) locations near the north side windows. PCB substrate samples numbers 1, 2, 3 were collected of concrete from the lower level mechanical room door to the exterior; PCB substrate sample numbers 4, 5 and 6 were collected of brick from the lower level west side entry door; PCB substrate sample numbers 7, 8, and 9 were collected from concrete on the exterior below the courtyard windows; PCB substrate sample numbers 10, 11, 12, 13, 14, and 15 were collected of brick from exterior on the north side of the building at the windows; and PCB substrate sample numbers 16, 17, and 18 were collected of concrete from the interior of the column on the lower level northwest corner of the courtyard. Of the twelve (12) substrate samples analyzed, PCBs were detected in nine (9) samples representing both substrates out to the 3" distance. All of the samples, regardless of substrate, were below 10 ppm at the 3" distance. Building substrate sampling was not performed for materials

associated with assumed PCB containing window glazing, as these glazing materials are only in contact with non-porous surfaces (i.e. glass & metal window frames) and these non-porous surfaces are planned for complete removal/disposal as part of the PCB remediation process.

In July 2013, representative samples of soil/surface cover were also collected from around the building, beneath areas where EPA/CTDEEP regulated PCB-containing caulks/glazes were identified. Samples were collected eighteen inches out from the building face, approximately every ten feet, following protocols from EPA 40 CFR 761 Subpart N for site characterization for PCB Remediation Waste. Samples were extracted and analyzed for PCBs using EPA Methods 3540C and 8082, respectively, and all analytical results were reported on a dry weight basis. Analytical results indicated some PCB impact at certain soil areas associated with/beneath the CTDEEP regulated PCB caulks. Based on this data, removal and disposal of portions of soil will be required, along with soil verification sampling to ensure all PCB impacted soil is remediated in accordance with CTDEEP and EPA requirements.

TRC concluded that PCB window caulking with PCB concentrations $\geq$ 50 ppm must be disposed of as PCB bulk product waste, win accordance with 40 CFR 761.62. PCB remediation waste (porous concrete, brick, and granite) contaminated by the surrounding caulking is subject to the cleanup and disposal requirements of 40 CFR 761.61. As a result of the findings from both investigations, TRC was requested by the Town of Suffield to perform additional sampling of caulk materials, perform a detailed caulk substrate characterization, and develop a remedial approach for the PCB window caulk at the Kent Memorial Library at 50 North Main Street Suffield, Connecticut. The following presents the results of the additional sampling efforts and the remedial approach.

3.0 PCB CHARACTIZATION SAMPLING

This section outlines the supplementary building material PCB characterization sampling that has been conducted by TRC, in addition to the aforementioned previous PCB investigations at the Site. The sampling evaluated additional items that were identified by the Town of Suffield as to be disturbed during the proposed exterior window and door replacement activities.

Between May 5, 2015 and July 8, 2015, TRC conducted a survey and sampling of areas of the proposed window and door replacement on the interior and exterior of the building. A total of ten (10) discrete samples were collected of caulk materials. Sampling methodology of the caulk involved removing and collecting all layers of caulk applied, down to the underlying substrate, at each location.

The Site was surveyed following techniques generally employed in the Building Sciences industry to identify, locate and sample homogenous building materials (i.e. Asbestos survey approach). TRC was able to access the exterior of the building at all elevations.

Concrete, granite and brick substrate samples were collected in general accordance with Region I, EPA-New England, Standard Operating Procedure for Sampling Porous Surfaces for PCBs rev. 4 (May 5, 2011). A rotary hammer drill, equipped with a 1-inch carbide drill bit, was used to drill ½-inch into the facade. Each ½-inch penetration generated approximately 10 grams of powder. Multiple holes were located closely adjacent to each other to generate sufficient sample volume. The fine powder cuttings from drilled holes were collected in laboratory-cleaned jars, and sent to the laboratory for analysis. Sample collection tools were decontaminated including a hexane rinse between samples.

All samples were hand delivered under chain-of-custody procedures to Phoenix Environmental Laboratories, Inc. (Phoenix), located in Manchester, Connecticut for analysis. Samples were analyzed following EPA Method 3540C for soxhlet extraction with analysis for PCBs by EPA Method 8082.

A total of 57 representative samples were collected from multiple locations, covering all of the facades and suspect materials, and submitted for PCB laboratory analysis, as summarized below:

- 10 exterior window and door caulk samples;
- 38 concrete samples;
- 5 granite samples; and
- 4 brick samples.

All caulk analytical results are presented in Table 1 and the sample data for the adjacent building materials are presented in Table 2. Figures 1a and 1b depict the locations of bulk material samples and associated building substrate samples. Figures 2a and 2b shows the locations of federally regulated caulks. Sampling data for surface cover materials which includes mostly soil and brick are presented in Table 3. Table 3 summarized surface/soil cover sample results and Figure 3 depicts the sampling locations for surface cover materials. Photos of the site can be found in Appendix E.

3.1 Caulk/Glaze Sampling

TRC collected ten (10) caulk samples and analyzed six (6) samples of five (5) types of caulk as follows:

- BC1 – pink/grey exterior building caulk (Samples B1 and B2)
- DC1 – grey exterior door caulk (Sample B3)
- DC2 – grey interior door caulk (Sample B4)
- WC1 – grey exterior window caulk (Samples B5, B6, and B7)
- WC2 – grey interior window caulk (Samples B8, B9, and B10)

A total of five (5) samples were analyzed from the July 2010 sample event. Below is a description of each of the five (5) types of caulk identified, the general location of the material and the concentration of PCBs.

- The WC1 window caulk (Sample 03 and B5) is present around the exterior window frames where the frame meets the concrete waffle roof slab, brick walls and granite (Lower Level West Entrance only). Total PCB concentrations in this caulk were determined to be in the range of 93,000 ppm to 160,000 ppm.

- The WC2 window caulk (Sample 04 and B8) is present around the interior window frames where the frame meets brick, concrete foundation walls and columns and the concrete waffle roof slab. Total PCB concentrations in this caulk were determined to be in a range of 110,000 ppm to 130,000 ppm.

- The DC1 door caulk (Sample 01 and B3) is present around the basement office exit door frame where the frame meets the concrete wall. Total PCB concentrations in this caulk were determined to be in a range of 85 ppm and 190,000 ppm.

- The DC2 caulk (Sample 06 and B4) is present around the interior door frames leading to the exterior in the office and mechanical room where the frame meets the concrete walls. Total PCB concentrations in this caulk were determined to be in a range of 130,000 ppm and 220,000 ppm.

- The BC1 caulk (Samples 02, B1 and B2) is present on the bottom of exterior window frames and in between the cap sections of granite covering the exterior of the building. Total PCB concentrations in this caulk were determined to be in a range of 39 ppm to 1,700 ppm.

The window glazing material is assumed to be PCB Bulk Product Waste and was not sampled.

3.2 Concrete Sampling

TRC analyzed eight (8) concrete samples from walls abutting DC2 – grey interior door caulk. Samples were collected from the lower level of the building from the Mechanical Room and the Office/Equipment Room. Concrete samples collected at the 0" line had a concentration range of 3.1 to 616 ppm. The 3" line had a concentration range of 1.2 to 3.54 ppm; the 6" line had a concentration range of 0.45 to 13 ppm; the 9" line had a concentration of 1.1 ppm; and the 12" line had a concentration of 0.37 ppm.

TRC analyzed 25 concrete samples from ceilings, walls and columns abutting WC2 – grey interior window caulk. Samples were collected on the various levels of the building. Concrete samples collected at the 0" line had a concentration range of 3.1 to 1,400 ppm. The 3" line had a concentration range of 1.4 to 7.27 ppm; the 6" line had a concentration range of 1 to 3 ppm; the 9" line had a

concentration range of 1.3 to 5 ppm; and the 12" line had a concentration range of 1 to 2.7 ppm.

TRC analyzed six (6) concrete samples from walls and ceilings/soffit abutting WC1 – grey exterior window caulk. The 0" line had a concentration range of 33 to 40.6 ppm. The 3" line had a concentration range of 0.156 to 0.8 ppm; and the 6" line had a concentration range of 0.77 to 0.91 ppm.

TRC analyzed three (3) concrete samples from the wall associated with DC1 – grey exterior door caulk. The 0" line had a concentration of 0.36 ppm, and the 3" and 6" lines had no PCBs detected above the laboratory detection limits.

3.3 Granite Sampling

TRC analyzed five (5) granite samples from the walls associated with WC1 – grey exterior window caulk at the lower level west entrance. The 0" line had a concentration of 2.5 ppm; the 3" line had a concentration of 4.5 ppm; the 6" line had a concentration range of not detected above the laboratory detection limit to 0.8 ppm.

Please note that the granite associated with BC1 – pink/grey exterior building caulk was not sampled due to damage that the sampling would cause to the granite and the associated cost that would have been required to replace the granite.

3.4 Brick Sampling

TRC analyzed two (2) brick samples associated with WC2 – gray interior window caulk from walls at the lower level entrance on the west side of the building. The 0" line had a concentration of 212 ppm and the 3" line had a concentration of 4.64 ppm.

Two (2) brick samples were analyzed associated with WC1 – gray exterior window caulk from walls at the northwest end of the intermediate level. The 0"line had a concentration of 240 ppm and the 3" line had a concentration of 3.47 ppm.

Four (4) brick samples were analyzed associated with BC1 – pink grey exterior building caulk from walls at the north side of the intermediate level. The 0" line had a concentration range of not detected above the laboratory detection limit to 0.266 ppm, and the 3" line had a concentration of 0.535 ppm.

4.0 NATURE AND EXTENT OF PCBS

This section summarizes the building materials impacted by PCBs and its extent as required by 40 CFR 761.61(a)(3)(i)(A) and 40 CFR 761.61(a)(3)(i)(C).

4.1 Building Material Substrate Sampling and Results

All caulk samples with total PCB concentrations ≥50 ppm were included in this category and five (5) types of caulk samples (Types WC1, WC2, DC1, DC2 and BC1) met the PCB Bulk Product Waste criteria. Window glazing was presumed to be PCB Bulk Product Waste and was not sampled. Samples of WC1 and DC1 were collected from the interior of the building around windows and doors, respectively. Samples of WC2 and DC2 were collected from the caulk found around the exterior window and door frames, respectively. Sample BC1 was found on the exterior bottoms of window frames and between the exterior granite sections.

All window systems and frames, along with the associated PCB caulking and glazing, will be removed and disposed of together as PCB Bulk Product Waste, as defined in 40 CFR 761.3. Similarly, all door frames and associated PCB caulk will also be removed and disposed of together as PCB Bulk Product Waste.

4.2 Excluded PCB Products/State Regulated PCB Products

Building caulks and glazing were determined to be Excluded PCB Products if the in-situ total PCB concentration was <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. As discussed above, all of the building caulks were determined to be either original to building construction, or were applied for energy savings purposes only. There was no evidence that subsequent renovations had modified total PCB concentrations. Thus, out of the five (5) building caulks identified and sampled, none of these caulks were determined to be Excluded PCB Product.

4.3 Excluded PCB Products/Non-Regulated PCB Products

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. Thus, out of the five (5) building caulks identified and sampled, none of these caulks were determined to be Excluded PCB Product.

4.4 PCB Remediation Waste

Building material substrates that are in contact with PCB Bulk Product Wastes, and which have concentrations >1.0 ppm, are considered to be PCB Remediation Wastes. No substrate sampling was conducted in areas where federally regulated glazing meets glass and unpainted metal, as these materials are considered to be non-porous surfaces and planned renovation activities call for complete removal of the windows, including these materials. In these cases, the entire window and frame will be removed and disposed of together as PCB Bulk Product Waste.

For the federally-regulated caulks in contact with porous materials, samples of the porous materials were collected at the point of contact between the bulk caulk material and the porous surface (0" samples) and additionally at 3", 6", 9" and 12" out from the point of contact. Sampling of these porous substrates revealed the presence of PCB Remediation Wastes, in the form of brick, concrete and granite. Sample results showed PCB levels at the 0" line ranged between <0.33 ppm to 1400 ppm, with 11 of the 17 samples being <50 ppm. PCB levels at the 6" line ranged between <0.33 ppm to 13 ppm, with 12 of the 13 samples being <1 ppm. Analytical results for building substrate samples are summarized in Table 2 and building substrate sample locations are shown on Figure 1A and 1B.

4.5 Unregulated Material

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.

5.0 RISK ASSESMENT

The purpose of this qualitative risk assessment is to evaluate potential Site exposures and provide a justification for the controls proposed to address these exposures. A risk assessment is required since the removal of all PCB Remediation Waste >1 ppm (i.e. structural concrete and structural granite) is not anticipated to be performed due to the following reasons:

- The concrete "waffle" slab roof deck, columns and foundation are structural and cannot be impacted without damaging the integrity of the building.
- The granite along the foundation walls is entirely an exterior building material and, therefore, presents only a limited exposure potential once the PCB Bulk Product Waste ("source" caulk) is removed.
- With PCB Bulk Product Waste ("source" material) removed; with encapsulation of affected substrates scheduled to remain; and with installation of new wider window frames which will overlie concrete and granite in contact with the window opening; the overall affect is anticipated to be as protective as removal as most of the concrete remaining will be at the ceiling with limited exposure potential.
- It is anticipated that the proposed remediation program will adequately control exposure to residual PCBs in the granite that represents a PCB Remediation Waste.

5.1 PCB Source

The PCB source is the interior and exterior window and door caulk and associated suspect window glazing. The PCB Bulk Product Waste caulk has impacted concrete and granite surrounds. All window caulk and glazing and door caulk will be removed. Impacted structural concrete and granite surrounds greater than 1 ppm will be encapsulated.

5.2 Potential Human Receptors

Current human receptors present at the Site or in the surrounding environment, and who as a result may be exposed to the identified PCBs, are considered to be tenants, visitors, construction and utility workers, and trespassers. The likelihood of humans coming in contact with PCBs following renovation activities is considered to be low. This is because:

1. The PCB Bulk Product (caulk and suspect glazing) will be removed, along with non-

structural brick that was determined to be PCB Remediation Waste, and identified PCB contaminated soil and surface covers from various areas around the building;

2. Lower level PCB Remediation Wastes, that are structural in nature and contain greater than 1 ppm PCBs, will be encapsulated; and
3. PCB Impacted materials that are to remain (i.e. concrete walls, slab, columns and ceiling deck) are located in areas not regularly contacted.

The proposed PCB Bulk Product removal, encapsulation and window installation system is believed to control future human exposure to these remnant PCBs at the Site.

5.3 Potential Exposure Points, Pathways and Controls

Potential human exposure pathways include dermal absorption via direct contact with materials, ingestion of PCB-containing foodstuffs, materials or contaminated dust, and inhalation of airborne PCBs (either vapors or contaminated particulates).

- Window unit glazing and caulking and door frame caulk represent a potential exposure point, either via dermal contact or inhalation of PCB vapors off-gassing from these materials. Their removal will eliminate this exposure potential.

- Interior structural concrete is located at the ceiling height. The columns and some interior foundation walls will remain accessible, however, these areas are minimal in surface area. The new wider window frames will conceal the highest concentrations of PCB's at the original caulk seam with an additional 3" and all areas greater than 1 ppm will be encapsulated.

- Exterior granite sections have been impacted by the window caulk and represent a potential exposure point. The primary exposure pathway would be dermal absorption via direct contact with the granite. Due to the location of the material (i.e., located on the exterior of the building) and the proposed application of an encapsulant to the material, this potential route of exposure to building occupants is considered to be unlikely.

Exposure to residual PCBs in concrete and granite will be controlled as follows:

- Interior structural concrete remediation waste will be encapsulated.
- Replacement window systems fit within the existing window opening, however the new frames will extend over the concrete and granite enclosing affected substrates to an approximate 3" distance from window opening.
- Because most of the structural concrete remediation waste is at the ceiling, this material is generally not accessible.
- All exterior granite remediation waste greater than 1 ppm associated with the foundation walls will be encapsulated as described in Section 4.4.

The removal activities and encapsulation/enclosure systems will be shown to be performing adequately to manage residual PCBs in accessible structural concrete and granite sections if future wipe samples of encapsulated accessible surfaces have concentrations of <1 ug/100 cm^2 for accessible areas (e.g., floors/baseboards) and no greater than 10 ug/100 cm^2 for relatively inaccessible areas (e.g., ceilings and columns) and as described in Section 4.5.

If these values are exceeded, additional evaluations will be performed to determine if these levels present an actual risk to building users and if additional PCB remediation activities are required.

6.0 REMEDIATION PROCEDURES

The goal of building material remediation efforts is to ensure that all PCB Bulk Product Wastes are removed from areas prior to building renovation activities that will disturb these materials. This Request is being prepared in an effort to leave in place structural PCB Remediation Wastes which cannot safely be removed utilizing a risk-based disposal approval under §761.61(c) from EPA Region 1. There are additional PCB Remediation Wastes that are non-structural in nature and are being removed completely, in a performance-based manner with full verification testing to be performed to ensure the complete removal of the PCB Containing Materials. PCB Bulk Product Wastes (caulk and glazing) 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 renovated. 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 materials abatement work. All PCB bulk product waste (i.e., window systems, door frames and associated caulking) will be disposed of as >50 ppm PCB Bulk Product waste to a pre-approved TSCA landfill. All remediation related waste (e.g., polyethylene sheeting, disposable PPE, etc.) will be disposed of as PCB Remediation Waste.

Surface cover remediation excavation and verification will be performed in a performance-based manner with full verification testing to ensure the complete removal of all PCB contaminated surfaces.

6.1 Safety and Monitoring Requirements

The renovation project will be performed as described above and it is anticipated that building occupants will not be present 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 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 appropriate Personal Protective Equipment (PPE).

For PCB-contaminated material removals, 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) using real-time aerosol monitors. The background concentration within each interior Control Area 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.

6.2 Engineering Control Descriptions

Engineering controls to be implemented for exterior remediation will follow along similar guidelines as those that are used when conducting asbestos abatement activities. It has been determined that the interior PCB caulks can be removed from the exterior of the building, once the window sashes have been pulled out. 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 Work Plan.

6.3 Interior Remediation Procedures

Interior Remediation Procedures are as follows:

- It is assumed that, since the buildings will be vacated prior to demolition activities, all moveable equipment will have been removed prior to the performance of any abatement activities, that the work spaces will be free and clear of any obstructions, and that 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 polyethylene sheeting and transported to the waste storage area. The sheeting will be secured with tape to ensure that no dust is released during the transport. 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.

6.4 Exterior Remediation Procedures (With Porous Substrate Removal)

Exterior remediation procedures are as follows:

- During removal of PCB Bulk Product Wastes and associated building material (brick only), 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.
- 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.

6.5 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 two (2) layers of six (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.

6.5.1 Phased Remediation

In instances where PCB Bulk Product or State Regulated Product, and any associated underlying building materials, cannot be removed prior to performing "clean" demolition, the following procedures will be followed:

- 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 Request so as to not create additional releases by disturbing the caulk during the demolition. This seal will consist of tape or taped/glued polyethylene 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.

6.6 Re-occupancy Testing

In all interior containments, the entire area within containment will be thoroughly HEPA vacuumed and wet wiped to remove any 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 of, all wipe samples will be required to be <10.0 µg/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 Remediation 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 re-clean the area and all inspections and testing will be performed until the area has been cleared for re-occupancy.

6.7 Verification Sampling for Building Materials (when applicable)

All verification sampling for building material removals will be as specified in Subpart O for this remediation project. Based on the existing sample data and this Request for the project, the proposed verification sampling frequency on the 5 foot by 5 foot Subpart O sampling grid. 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.

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.

6.8 Surface/Soil 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. Materials scheduled for removal during surface/soil remediation include soil and brick. 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 roll-off 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).

6.9 Structural Concrete and Granite Surface Repair

If encountered, damaged concrete and granite surround surfaces will be repaired prior to encapsulant application. When working within areas identified as being impacted by PCB-containing caulk, repair work will only occur after existing surround caulk is removed. Grinding, chipping, or using power tools on PCB impacted materials shall be done within a negative pressure tent enclosure. Grinders will be equipped with shrouds and vacuums with HEPA filters or other means to capture dust and small debris in the grinding zone. Grinding or chipping power tools will only occur after it is determined that work cannot be satisfactorily completed with non-power tools. When using the pneumatic chipping gun, a two (2) person crew will be used. One (1) person will operate the chipping gun and the other will wet the work area and use a HEPA vacuum to capture dust and small debris in the chipping zone. Grinding activities with power tools will be stopped immediately upon observation of dust or debris emissions outside of the tent containment

All work using manual methods/hand tools will be performed within the regulated area. It is anticipated that only minor concrete and granite surface repair shall occur, as the construction design details currently call for the new windows to fit directly in the existing window openings.

6.10 Encapsulant Application

Upon completion of the removal of the PCB Bulk Product Waste, the abatement contractor will use a terpene/hydrocarbon blend cleaning agent, such as Simple Green® or Capsur®, to remove any remaining surface contamination from the structural material to remain. The cleaning agent will be applied to interior and exterior structural concrete and exterior granite from the original caulk line to at least 12" away in all directions to the extent possible.

The proposed encapsulant, Sikaguard 670W, will be used for this remediation approach. A specification sheet is provided in Appendix E. Sikagard 670W is a water dispersed, clear, acrylic, protective coating. Sikagard 670W prevents moisture ingress, is water vapor permeable and provides an excellent carbonation barrier. All surfaces to be coated must be clean, dry, sound, and frost-free with curing compound residues and any other contaminants removed. The encapsulant will be applied to interior and exterior structural concrete and exterior granite from the original caulk line to at least 12" away in all directions, to the extent possible, as summarized below:

- Interior and exterior vertical and horizontal window surrounds – Note that in some locations the concrete and granite surfaces within 3 inches of the caulk line will be encapsulated and then enclosed with the new window frames.
- Approximately 60 linear feet (LF) of interior concrete column; 60 LF of exterior concrete column; 45 LF of interior foundation concrete; 270 LF of interior concrete ceiling; 270 LF of exterior concrete ceiling; and 350 LF of exterior granite will be encapsulated.

Two (2) layers of the encapsulant will be applied to each of the surfaces treated, in accordance with the manufacturer's recommendations. This encapsulant system's intent is to maintain surface PCB levels at or below 1 ug/100 cm^2 ppm in easily accessible areas, and at or below levels 10 ug/100cm^2 ppm in less easily accessible areas.

6.11 Confirmatory Wipe Sampling

To confirm that the encapsulant meets performance requirements, confirmatory wipe sampling will be performed at representative encapsulated locations, both accessible and inaccessible to building occupants, and from each type of material encapsulated (e.g., concrete, granite, etc.). Wipe samples will be collected immediately adjacent to (within 3 inches of the caulk line) where

PCB Bulk Product Waste caulking was removed. The wipe sampling will be conducted after the encapsulant has cured.

Wipe samples will be collected per standard wipe test protocols in accordance with 40 CFR 761.123. The samples will be collected utilizing the applicable procedures identified in 40 CFR Part 761, Subpart P, Sampling of Non-Porous Surfaces for Measurement-Based Use, Reuse, and On-Site or Off-Site Disposal. A one-use template or site specific outline will be used to delineate the 100 cm^2 sampling area. The samples will be analyzed at a state-certified laboratory for PCBs via EPA Method 8082 and extracted via EPA Method 3540C.

The encapsulant will be shown to be performing adequately if all wipe samples have concentrations below the criteria described in section 6.10. The following confirmatory wipe sampling program is proposed:

- Four (4) interior wipe samples of easily accessible areas (concrete floors, walls, columns) on alternating levels;
- Four (4) interior wipe samples of not easily accessible areas (concrete ceiling) on alternating levels;
- Two (2) exterior wipe samples on alternating sides of granite;
- Two (2) exterior wipe samples on alternating sides of concrete ceiling/soffit;
- One (1) trip blank sample for laboratory quality control purposes, per sampling event
- One (1) duplicate sample for laboratory quality control purposes, per sampling event

In total, a minimum of 22 surface samples (in addition to the quality assurance trip and duplicate samples referenced above) will be submitted for laboratory analysis.

If any of the confirmatory wipe samples indicates a PCB concentration greater than the clearance criteria and depending upon the extent of the exceedance, and with input from the EPA, the Town of Suffield may prepare a more detailed site specific risk assessment to determine if the exposure pathway is complete and if the action level is appropriate or if re-coating and re-sampling is appropriate.

6.12 Annual Inspections

On an annual schedule, beginning one (1) year following the completion of the confirmatory wipe sampling, the Town of Suffield will perform an inspection of encapsulated surfaces, focusing on those areas that would be directly accessible to building occupants. The inspections will be visual in nature, and will be intended to confirm that the coated surfaces are in good condition. The inspector will visually observe representative coated surfaces at the Site. Evidence of deterioration of the encapsulant, including wear, chipping, or flaking, will be noted.

If encapsulant deterioration (minor chipping, flaking, or wear spots) is noted through visual inspection, the Town of Suffield will arrange to have those areas re-coated with a single layer of the appropriate product.

The annual inspections, and any necessary repairs to the coated surfaces, will be documented on an official inspection form, and the forms will be maintained for the life of the building, or until the PCB contaminated material is removed. The inspection form, along with a cover letter outlining any repair of the coated surfaces the Town of Suffield intends to undertake, will be maintained. An associated Long-Term Monitoring and Maintenance Implementation Plan (MMIP) will be prepared at a later date.

6.13 Deed Notice

The Town of Suffield will record a deed notice for the Site after completion of PCB remedial activities. The deed notice will follow the TSCA requirements outlined at 40 CFR 761.61(a)(8), and will inform any potential future purchaser of the Site that:

1. Where PCB Remediation Waste and other PCB containing materials remain;
2. Ongoing sampling and monitoring of conditions related to residual PCBs at the Site are required;
3. Implementation of SOPs are required for certain activities taking place at the Site; and
4. Proper removal and disposal of remaining PCB-impacted materials is required upon demolition of all or portions of the Site building. Following recording of the deed

notice, a copy, along with certification that the deed notice has been recorded with the registry of deeds, will be provided to the EPA.

6.14 Waste Characterization, Transport, and Disposal

Wastes will be pre-characterized 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. It is currently anticipated that waste will be transported to a Solid Waste Landfill permitted under RCRA Title D and no attempt will be made to segregate the removed material.

6.15 Equipment Decontamination

All moveable equipment, tools, and sampling equipment which has contacted the PCB Bulk Product or Remediation Wastes 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 Remediation 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.

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.

6.16 Notification and Certification

The removal and abatement measures described within this Request will be initiated after receiving written approval of the plan from EPA. All other PCB impacted materials (interior and exterior brick) at the Kent Memorial Library, not included in this Request, will be removed under the performance based scenario with full verification testing and do not require notification or certification by the EPA. Notification of intent to perform these remedial measures presented in this Request is provided to EPA with this submittal and will also be provided to the CTDEEP.

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

7.0 DOCUMENTATION

Documentation of the field activities will be performed on a daily basis, by the contractor and an independent third-party remediation monitor, during the performance of the remediation. All information will be summarized at the conclusion of the remediation in a Remedial Action Report (RAR).

7.1 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 /soil verification testing
- Waste transporter information

7.2 Photographs

Photographs will be taken of representative activities, such as remediation, and sample locations. The final extent of the remediation will also be photographed. Copies of selected photographs will be included in the RAR.

7.3 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.

7.4 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

7.5 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 Town of Suffield. 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 1
Caulk Sample Results

Sample Date	Sample ID	Sample Description	Sample Location	Result (ppm)
11/10/2010	01	wall caulk, exterior	Unknown	**190,000**
11/10/2010	02	seam caulk, exterior	Unknown	39
11/10/2010	03	window caulk, exterior	Unknown	**160,000**
11/10/2010	04	window caulk, interior	Unknown	**130,000**
11/10/2010	05	void	Unknown	NA
11/10/2010	06	wall caulk, office exit door	Unknown	**220, 000**
5/5/2015	B1	BC1 - pink/grey exterior building caulk	NW Foundation Wall o/s Intermediate Level	**1,700**
5/5/2015	B2	BC1 - pink/grey exterior building caulk	SW Foundation Wall o/s Intermediate Level	**140**
7/8/2015	B3	DC1 - grey exterior door caulk	South Office Exit Door	**85**
7/8/2015	B4	DC2 - grey interior door caulk	Mech Rm Exit Door	**130,000**
7/8/2015	B5	WC1 - grey exterior window caulk	Ext. Column SW Corner of Courtyard	**93,000**
7/8/2015	B6	WC1 - grey exterior window caulk	Ext. Column NW Corner of Courtyard	NA
7/8/2015	B7	WC1 - grey exterior window caulk	Ext. West End Lower Level Entrance	NA
7/8/2015	B8	WC2 - grey interior window caulk	Int. West End Lower Level Entrance	**110,000**
7/8/2015	B9	WC2 - grey interior window caulk	Int. Column NE Corner of Courtyard	NA
7/8/2015	B10	WC2 - grey interior window caulk	Int. East End Upper Level Entrance	NA

bold - value ≥ 50 ppm
ppm - parts per million
NA - not analyzed

Table 2
Substrate Sample Results

PCB Bulk Product Material	Sampled Substrate	Sample Location	Sample ID	Sample Date	0" Line (ppm)	3" Line (ppm)	6" Line (ppm)	9"Line (ppm)	12" Line (ppm)	21" Line (ppm)	51" Line (ppm)
DC2 - grey interior door caulk	concrete	Mech Room lower level - Wall	1	7/3/2013	616						
	concrete	Mech Room lower level - Wall	2	7/3/2013		3.54					
	concrete	Mech Room lower level - Wall	3	7/3/2013			NA				
	concrete	Mech Room lower level - Wall	S17	5/5/2015			13				
	concrete	Mech Room lower level - Wall	S29	7/8/2015				1.1			
	concrete	Mech Room lower level - Wall	S30	7/8/2015					0.37		
	concrete	Office/Equip. Rm lower level - wall	S13	5/5/2015	3.1						
	concrete	Office/Equip. Rm lower level - wall	S14	5/5/2015		1.2					
	concrete	Office/Equip. Rm lower level - wall	S15	5/5/2015			0.45				
	concrete	courtyard interior NW column	16	7/3/2013	1,400						
	concrete	courtyard interior NW column	17	7/3/2013		7.27					
	concrete	courtyard interior NW column	18	7/3/2013							
	concrete	courtyard interior NW column	S16	5/5/2015			3				
	concrete	courtyard interior NW column	S27	7/8/2015				2.7			
	concrete	courtyard interior NW column	S28	7/8/2015					1.4		
	brick	basement lobby west entrance, interior	V18	3/23/2015				0.53			
	brick	basement lobby west entrance, interior	V19	3/23/2015				0.25			
	brick	basement lobby west entrance, interior	V20	3/23/2015				0.47			
	brick	first floor southeast, exterior	V21	3/23/2015				0.95			
	brick	first floor southeast, exterior	V22	3/23/2015				ND<.06			
	brick	intermediate floor SE window, exterior	V23	3/23/2015				ND<.06			
	brick	intermediate floor SE window, exterior	V24	3/23/2015				ND<.07			
	brick	intermediate floor SW window, exterior	V25	3/23/2015				ND<.05			
	brick	intermediate floor SW window, exterior	V26	3/23/2015				0.08			
	brick	first floor southeast, interior	V27	3/24/2015				0.15			
	brick	first floor southeast, interior	V28	3/24/2015				0.45			
	brick	first floor east entrance, interior	V29	3/24/2015				0.37			
	brick	first floor east entrance, interior	V30	3/24/2015				0.28			
	brick	first floor east entrance, interior	V31	3/24/2015				0.29			
	brick	first floor north window, interior	V32	3/24/2015				0.26			
	brick	first floor north window, interior	V33	3/24/2015				0.12			
	brick	intermediate floor NE, interior	V34	3/24/2015				0.2			
	brick	intermediate floor NW window, interior	V35	3/24/2015				0.36			
	brick	intermediate floor NW window, interior	V36	3/24/2015				0.43			

ppm - parts per million
NA - not analyzed
ND - not detected above laboratory detection limits

Table 2
Substrate Sample Results

PCB Bulk Product Material	Sampled Substrate	Sample Location	Sample ID	Sample Date	0" Line (ppm)	3" Line (ppm)	6" Line (ppm)	9"Line (ppm)	12" Line (ppm)	21" Line (ppm)	51" Line (ppm)
	brick	upper floor, north window, interior	V37	3/24/2015				0.49			
	brick	upper floor, north window, interior	V38	3/24/2015				0.59			
	brick	upper floor, east window, interior	V39	3/24/2015				0.56			
	brick	upper floor, east window, interior	V40	3/24/2015				0.58			
	brick	upper floor, east window, interior	V41	3/24/2015				0.42			
	brick	upper floor, east window, interior	V42	3/24/2015				0.18			
	brick	upper floor, south window, interior	V43	3/24/2015				0.22			
	brick	upper floor, south window, interior	V44	3/24/2015				0.59			
	brick	upper floor, south window, interior	V45	3/24/2015				0.67			
	brick	upper floor, south window, interior	V46	3/24/2015				0.24			
	brick	intermediate floor SE window, interior	V47	3/24/2015				0.4			
	brick	intermediate floor SE window, interior	V48	3/24/2015				0.26			
	brick	upper floor south wndow, exterior	V49	3/24/2015				ND<.06			
	brick	upper floor south wndow, exterior	V50	3/24/2015				ND<.06			
	brick	upper floor west wndow, exterior	V51	3/24/2015				ND<.06			
	brick	upper floor west wndow, exterior	V52	3/24/2015				ND<.06			
	brick	upper floor west wndow, exterior	V53	3/24/2015				0.1			
	brick	upper floor west wndow, exterior	V54	3/24/2015				0.24			
WC2 - grey interior window caulk	brick	upper floor north wndow, exterior	V55	3/24/2015				0.09			
	brick	upper floor north wndow, exterior	V56	3/24/2015				0.11			
	brick	intermediate floor NW window, exterior	V57	3/24/2015				0.06			
	brick	intermediate floor NW window, exterior	V58	3/24/2015				0.07			
	brick	intermediate floor NE window, exterior	V59	3/24/2015				0.15			
	brick	intermediate floor NE window, exterior	V60	3/24/2015				0.1			
	brick	lower floor north window, exterior	V61	3/24/2015				ND<.06			
	brick	lower floor north window, exterior	V62	3/24/2015				0.07			
	brick	West lower level entrance - wall	4	7/3/2013	212						
	brick	West lower level entrance - wall	5	7/3/2013		4.64					
	brick	West lower level entrance - wall	6	7/3/2013			NA				
	concrete	Lower Level West Entrance Ceiling	S23	7/8/2015	22						
	concrete	Lower Level West Entrance Ceiling	S24	7/8/2015		1.6					
	concrete	Lower Level West Entrance Ceiling	S25	7/8/2015			2.5				
	concrete	Lower Level West Entrance Ceiling	S26	7/8/2015				1.3			

ppm - parts per million
NA - not analyzed
ND - not detected above laboratory detection limits

Table 2
Substrate Sample Results

PCB Bulk Product Material	Sampled Substrate	Sample Location	Sample ID	Sample Date	0" Line (ppm)	3" Line (ppm)	6" Line (ppm)	9"Line (ppm)	12" Line (ppm)	21" Line (ppm)	51" Line (ppm)
	concrete	North End Intermediate Level Ceiling	S39	7/8/2015	70						
	concrete	North End Intermediate Level Ceiling	S40	7/8/2015		1.4					
	concrete	North End Intermediate Level Ceiling	S41	7/8/2015			NA				
	concrete	North End Intermediate Level Ceiling	S42	7/8/2015				NA			
	concrete	Foundation wall below NE window interior	S1	5/5/2015	6.8						
	concrete	Foundation wall below NE window interior	S2	5/5/2015		1.7					
	concrete	Foundation wall below NE window interior	S3	5/5/2015			1.2				
	concrete	Foundation wall below NE window interior	S46	7/8/2015				1.5			
	concrete	Foundation wall below NE window interior	S47	7/8/2015					1		
	concrete	courtyard interior SE column	S4	5/5/2015	3.1						
	concrete	courtyard interior SE column	S5	5/5/2015		1.7					
	concrete	courtyard interior SE column	S6	5/5/2015			1.3				
	concrete	courtyard interior SE column	S35	7/8/2015				2.4			
	concrete	courtyard interior SE column	S36	7/8/2015					2.7		
	concrete	East Side of Courtyard Int. Ceiling	S31	7/8/2015	670						
	concrete	East Side of Courtyard Int. Ceiling	S32	7/8/2015		2.2					
	concrete	East Side of Courtyard Int. Ceiling	S33	7/8/2015			1				
	concrete	East Side of Courtyard Int. Ceiling	S34	7/8/2015				5			
	concrete	intermediate level north ceiling	S48	9/15/2015						0.38	
	concrete	intermediate level north ceiling	S49	9/15/2015							0.41
	concrete	SE corner of courtyard, interior column	S50	9/15/2015						0.64	
	concrete	NW corner of courtyard, interior column	S51	9/15/2015						0.95	
	concrete	entry lobby ceiling	S52	9/15/2015						0.87	
	concrete	entry lobby ceiling	S53	9/15/2015							0.57
	concrete	basement lobby west ceiling	S54	9/15/2015						0.36	
	concrete	basement lobby west ceiling	S55	9/15/2015							0.9
	concrete	exterior courtyard East side - wall below window	7	7/3/2013	40.6						
	concrete	exterior courtyard East side - wall below window	8	7/3/2013		0.156					
	concrete	exterior courtyard East side - wall below window	9	7/3/2013			NA				

ppm - parts per million
NA - not analyzed
ND - not detected above laboratory detection limits

Table 2
Substrate Sample Results

PCB Bulk Product Material	Sampled Substrate	Sample Location	Sample ID	Sample Date	0" Line (ppm)	3" Line (ppm)	6" Line (ppm)	9"Line (ppm)	12" Line (ppm)	21" Line (ppm)	51" Line (ppm)
WC1 - grey exterior window caulk	granite	Lower level entrance exterior - wall	S18	5/5/2015	2.5						
	granite	Lower level entrance exterior - wall	S19	5/5/2015		4.5					
	granite	Lower level entrance exterior - wall	S20	5/5/2015			0.8				
	granite	Lower level entrance exterior - wall	S21	7/8/2015			ND<0.33				
	granite	Lower level entrance exterior - wall	S22	7/8/2015			ND<0.33				
	brick	NW end o/s Intermediate Level - wall	13	7/3/2013	240						
	brick	NW end o/s Intermediate Level - wall	14	7/3/2013		3.47					
	brick	NW end o/s Intermediate Level - wall	15	7/3/2013			NA				
	concrete	SE end ceiling exterior	S10	5/5/2015	33						
	concrete	SE end ceiling exterior	S11	5/5/2015		0.8					
	concrete	SE end ceiling exterior	S12	5/5/2015			0.77				
	concrete	NE end ceiling exterior	S45	7/8/2015			0.91				
DC1- grey exterior door caulk	concrete	Foundation wall exterior	S7	5/5/2015	0.36						
	concrete	Foundation wall exterior	S8	5/5/2015		ND<0.33					
	concrete	Foundation wall exterior	S9	5/5/2015			ND<0.33				
BC1 - pink/grey exterior building caulk	brick	Exterior intermediate level north - wall	10	7/3/2013	0.266						
	brick	Exterior intermediate level north - wall	11	7/3/2013		0.535					
	brick	Exterior intermediate level north - wall	12	7/3/2013							
	brick	Exterior intermediate level north - wall	S37	7/8/2015	ND<0.33						
	brick	Exterior intermediate level north - wall	S38	7/8/2015		NA					
	brick	Exterior intermediate level north - wall	S43	7/8/2015	ND<0.33						
	brick	Exterior intermediate level north - wall	S44	7/8/2015		NA					

ppm - parts per million
NA - not analyzed
ND - not detected above laboratory detection limits

Table 3
Surface/Soil Sample Results

Sample Date	Sample Number	Homogenous Material Type	Location/Matrix	Total PCBs (ppm)
7/3/2013	19	WC1 - grey exterior window caulk	Courtyard/Soil Samples	**3.28**
7/3/2013	20			**3.42**
7/3/2013	21			**2.29**
7/3/2013	22			**1.71**
7/3/2013	23			0.993
7/3/2013	24			0.908
7/3/2013	25			**2.29**
7/3/2013	26			**1.18**
7/3/2013	27			**13.2**
7/3/2013	28			0.928
7/3/2013	29			**3.89**
7/3/2013	30	BC1 - pink/grey exterior building caulk	Exterior A-side/Soil Sample	**4.27**
7/3/2013	31	WC1 - grey exterior window caulk	Exterior A-side/Brick surface samples	0.112
7/3/2013	32			0.173
7/3/2013	33	BC1 - pink/grey exterior window caulk/pink-grey exterior building caulk	Exterior A-side/Soil Sample	**1.23**
7/3/2013	34	WC1/BC1 - grey exterior window caulk/pink-grey exterior building caulk	Exterior D-side/Samples 34-38 are brick surface samples; samples 39-44 are soil samples; samples 45-49 are concrete surface samples; sample 50 is a brick surface samples	<0.069
7/3/2013	35			<0.072
7/3/2013	36			0.119
7/3/2013	37			0.227
7/3/2013	38			**1.31**
7/3/2013	39			**1.08**
7/3/2013	40			0.527
7/3/2013	41			0.95
7/3/2013	42			0.361
7/3/2013	43			0.541
7/3/2013	44			**1.67**
7/3/2013	45			<0.061
7/3/2013	46			<0.059
7/3/2013	47			<0.019
7/3/2013	48			<0.067
7/3/2013	49			0.159
7/3/2013	50			<0.104
7/3/2013	51	WC1/BC1 - grey exterior window caulk/pink-grey exterior building caulk	Exterior D-side/Brick surface samples	0.109
7/3/2013	52			<0.066
7/3/2013	53			<0.067
7/3/2013	54	WC1 - grey exterior window caulk	Exterior C-side/brick surface samples	0.488
7/3/2013	55			<0.062
7/3/2013	56			0.875
7/3/2013	57	WC1/BC1 - grey exterior window caulk/pink-grey exterior building caulk	Exterior B-side/brick surface samples	<0.068
7/3/2013	58			<0.059
7/3/2013	59			<0.073
7/3/2013	60			<0.069

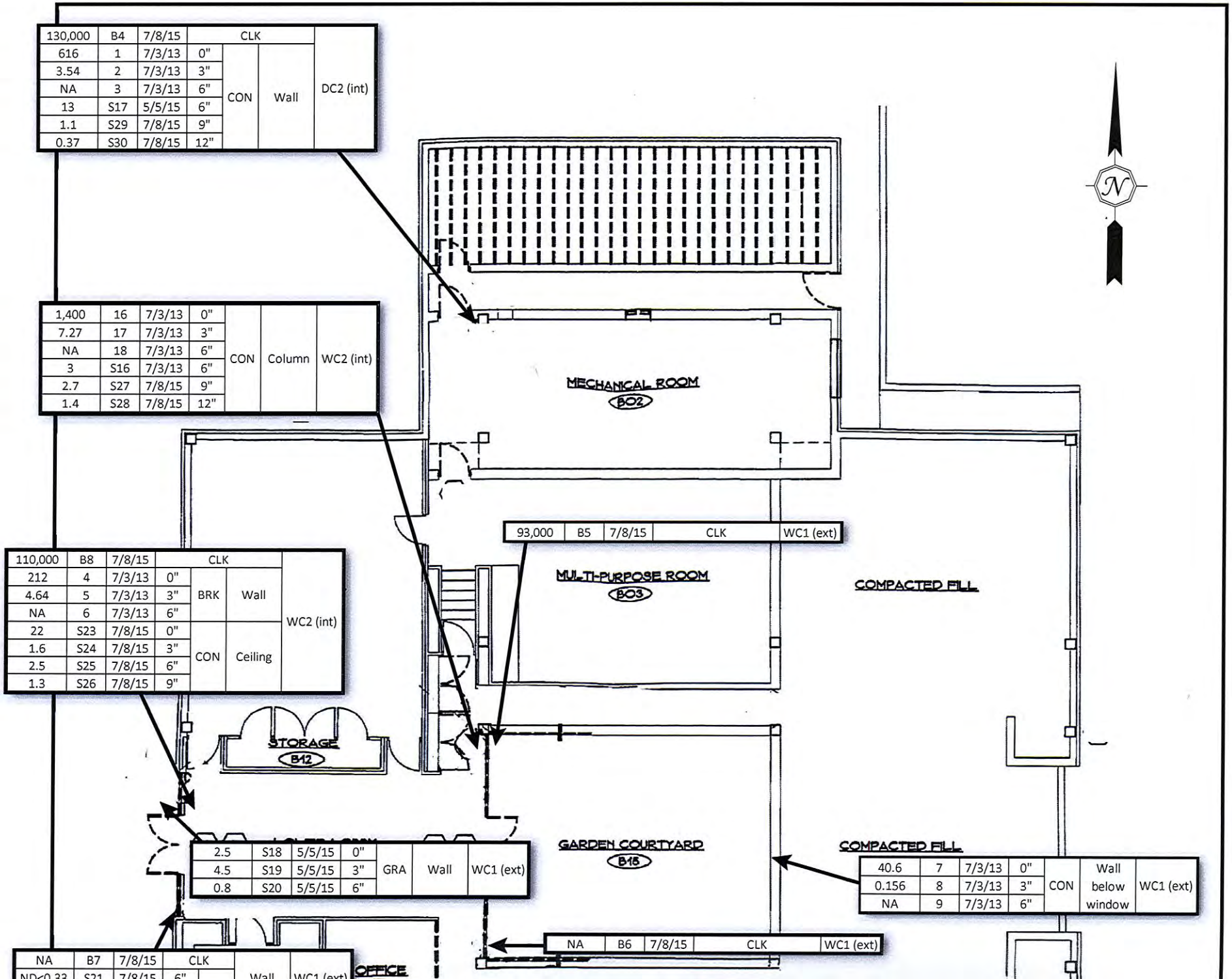
ppm - parts per million
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB > 1 ppm but < 50 ppm = CTDEEP regulated

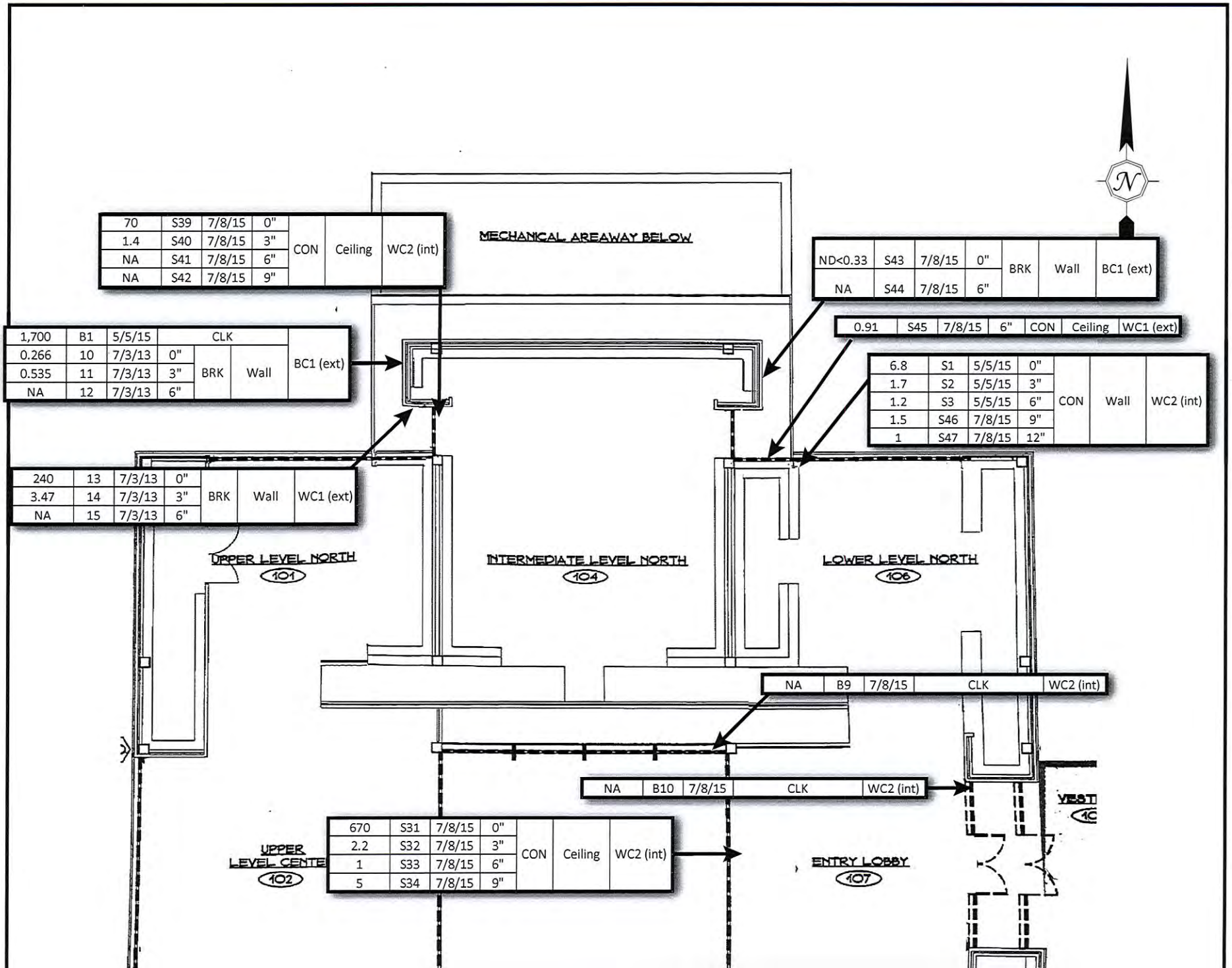
Table 3
Surface/Soil Sample Results

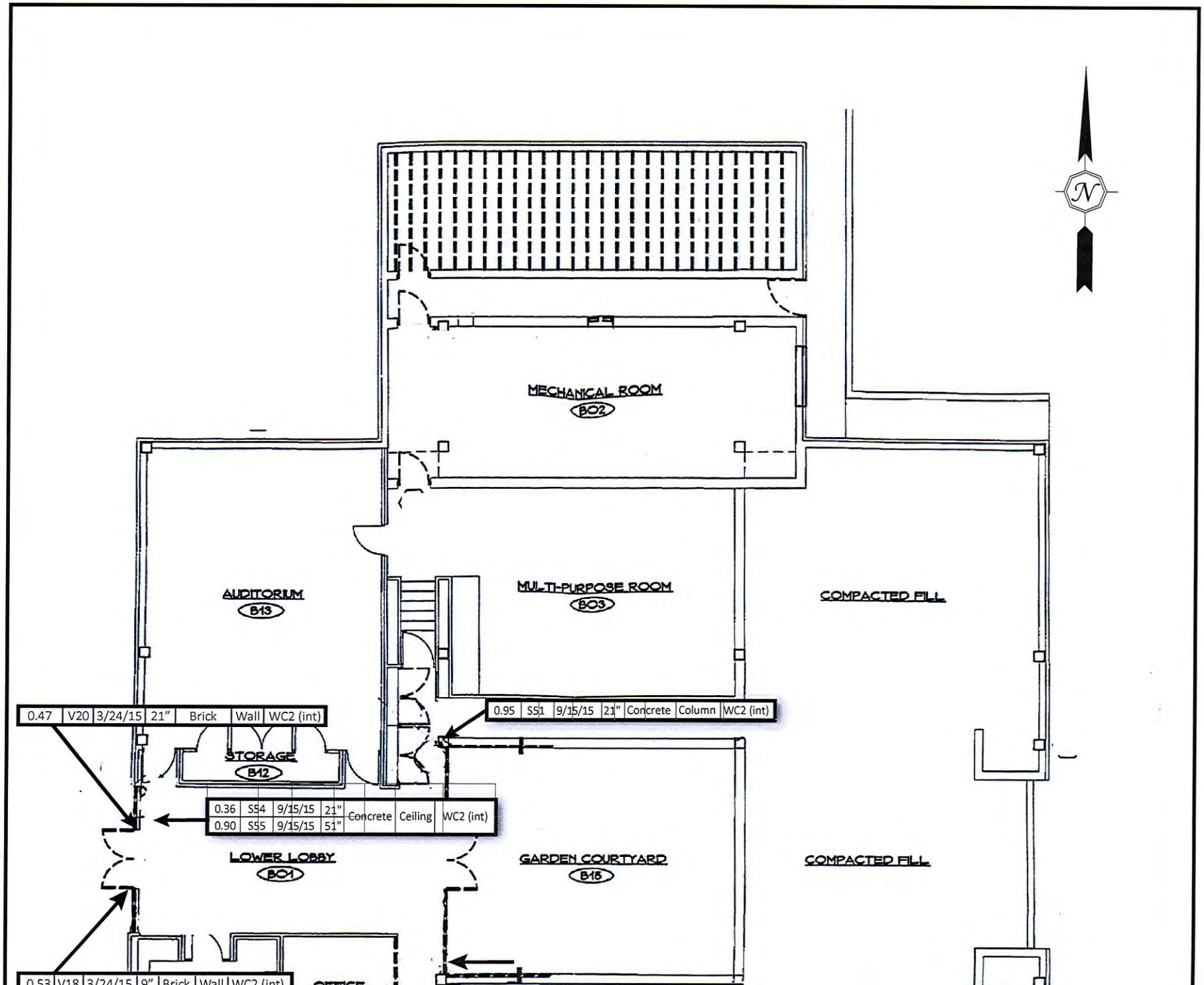
7/3/2013	61	BC1 - pink/grey exterior building caulk	Exterior B-side Mech Room and Pit Areas/Sample 60 is a brick surface sample; samples 61-66 are concrete surface samples; samples 67-68 are brick surface samples; samples 69-74 are soil surface samples; and samples 75-78 are brick surface samples	<0.067
7/3/2013	62			<0.020
7/3/2013	63			<0.067
7/3/2013	64			<0.067
7/3/2013	65			<0.067
7/3/2013	66			<0.068
7/3/2013	67			<0.065
7/3/2013	68			0.188
7/3/2013	69			0.591
7/3/2013	70			0.952
7/3/2013	71			**1.28**
7/3/2013	72			0.912
7/3/2013	73			**1.77**
7/3/2013	74			**1.21**
7/3/2013	75			<0.071
7/3/2013	76			<0.067
7/3/2013	77			<0.066
7/3/2013	78			<0.539
7/3/2013	79	WC1/BC1 - grey exterior window caulk/pink-grey	Exterior A/B corner window/brick surface	<0.068
7/3/2013	80			<0.069

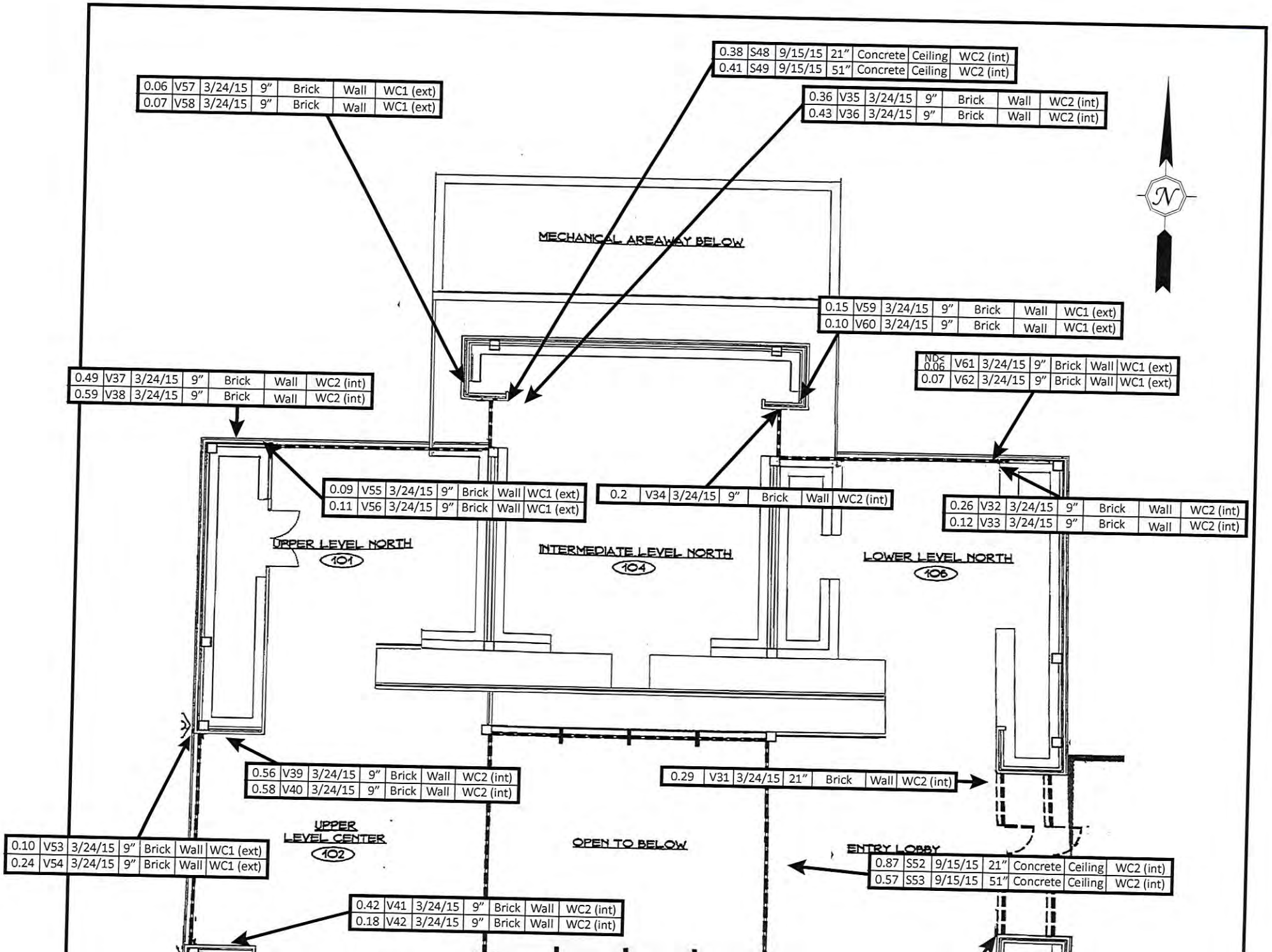
ppm - parts per million
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB > 1 ppm but < 50 ppm = CTDEEP regulated

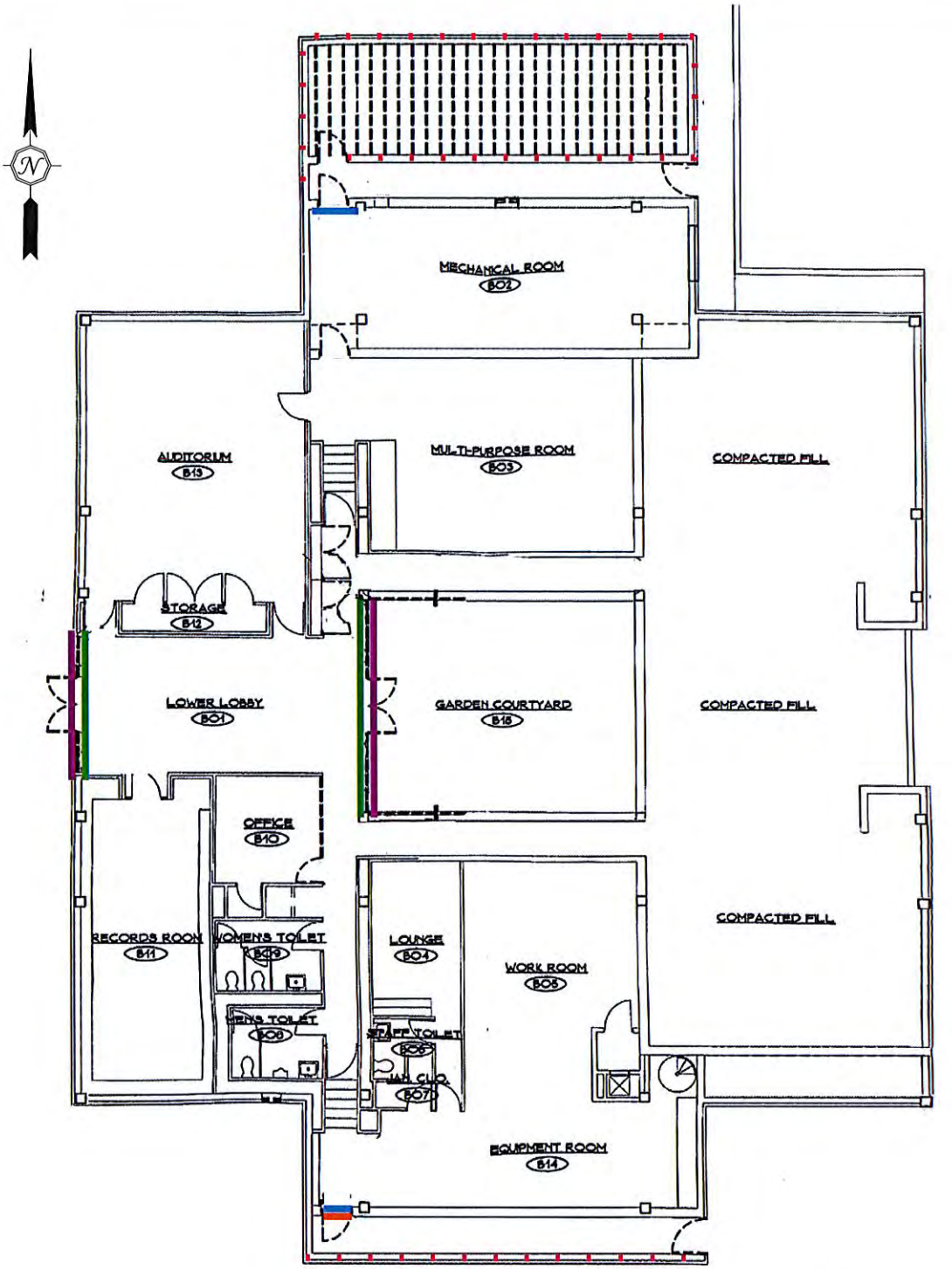
FIGURES


130,000 | B4 | 7/8/15 | CLK
616 | 1 | 7/3/13 | 0"
3.54 | 2 | 7/3/13 | 3"
NA | 3 | 7/3/13 | 6"
13 | S17 | 5/5/15 | 6"
1.1 | S29 | 7/8/15 | 9"
0.37 | S30 | 7/8/15 | 12"
CON | Wall | DC2 (int)
1,400 | 16 | 7/3/13 | 0"
7.27 | 17 | 7/3/13 | 3"
NA | 18 | 7/3/13 | 6"
3 | S16 | 7/3/13 | 6"
2.7 | S27 | 7/8/15 | 9"
1.4 | S28 | 7/8/15 | 12"
CON | Column | WC2 (int)
MECHANICAL ROOM
B02
93,000 | B5 | 7/8/15 | CLK | WC1 (ext)
MULTI-PURPOSE ROOM
B03
COMPACTED FILL
110,000 | B8 | 7/8/15 | CLK
212 | 4 | 7/3/13 | 0"
4.64 | 5 | 7/3/13 | 3"
NA | 6 | 7/3/13 | 6"
BRK | Wall
22 | S23 | 7/8/15 | 0"
1.6 | S24 | 7/8/15 | 3"
2.5 | S25 | 7/8/15 | 6"
1.3 | S26 | 7/8/15 | 9"
CON | Ceiling
WC2 (int)
STORAGE
B12
2.5 | S18 | 5/5/15 | 0"
4.5 | S19 | 5/5/15 | 3"
0.8 | S20 | 5/5/15 | 6"
GRA | Wall | WC1 (ext)
GARDEN COURTYARD
B18
COMPACTED FILL
40.6 | 7 | 7/3/13 | 0"
0.156 | 8 | 7/3/13 | 3"
NA | 9 | 7/3/13 | 6"
CON | Wall below window | WC1 (ext)
NA | B6 | 7/8/15 | CLK | WC1 (ext)
NA | B7 | 7/8/15 | CLK
ND<0.33 | S21 | 7/8/15 | 6"
Wall | WC1 (ext)
OFFICE
N


70 S39 7/8/15 0"
1.4 S40 7/8/15 3"
NA S41 7/8/15 6"
NA S42 7/8/15 9"
CON Ceiling WC2 (int)
MECHANICAL AREAWAY BELOW
ND<0.33 S43 7/8/15 0"
NA S44 7/8/15 6"
BRK Wall BC1 (ext)
0.91 S45 7/8/15 6" CON Ceiling WC1 (ext)
1,700 B1 5/5/15 CLK
0.266 10 7/3/13 0"
0.535 11 7/3/13 3"
NA 12 7/3/13 6"
BRK Wall BC1 (ext)
6.8 S1 5/5/15 0"
1.7 S2 5/5/15 3"
1.2 S3 5/5/15 6"
1.5 S46 7/8/15 9"
1 S47 7/8/15 12"
CON Wall WC2 (int)
240 13 7/3/13 0"
3.47 14 7/3/13 3"
NA 15 7/3/13 6"
BRK Wall WC1 (ext)
UPPER LEVEL NORTH
101
INTERMEDIATE LEVEL NORTH
104
LOWER LEVEL NORTH
106
NA B9 7/8/15 CLK WC2 (int)
NA B10 7/8/15 CLK WC2 (int)
670 S31 7/8/15 0"
2.2 S32 7/8/15 3"
1 S33 7/8/15 6"
5 S34 7/8/15 9"
CON Ceiling WC2 (int)
UPPER LEVEL CENTE
102
ENTRY LOBBY
107
N


N
MECHANICAL ROOM
B02
AUDITORIUM
B13
MULTI-PURPOSE ROOM
B03
COMPACTED FILL
0.47 V20 3/24/15 21" Brick Wall WC2 (int)
0.95 SS1 9/15/15 21" Concrete Column WC2 (int)
STORAGE
B12
0.36 SS4 9/15/15 21"
0.90 SS5 9/15/15 51"
Concrete Ceiling WC2 (int)
LOWER LOBBY
B01
GARDEN COURTYARD
B15
COMPACTED FILL
0.53 V18 3/24/15 9" Brick Wall WC2 (int)


0.06 V57 3/24/15 9" Brick Wall WC1 (ext)
0.07 V58 3/24/15 9" Brick Wall WC1 (ext)
0.38 S48 9/15/15 21" Concrete Ceiling WC2 (int)
0.41 S49 9/15/15 51" Concrete Ceiling WC2 (int)
0.36 V35 3/24/15 9" Brick Wall WC2 (int)
0.43 V36 3/24/15 9" Brick Wall WC2 (int)
N
MECHANICAL AREAWAY BELOW
0.15 V59 3/24/15 9" Brick Wall WC1 (ext)
0.10 V60 3/24/15 9" Brick Wall WC1 (ext)
0.49 V37 3/24/15 9" Brick Wall WC2 (int)
0.59 V38 3/24/15 9" Brick Wall WC2 (int)
ND< 0.06 V61 3/24/15 9" Brick Wall WC1 (ext)
0.07 V62 3/24/15 9" Brick Wall WC1 (ext)
0.09 V55 3/24/15 9" Brick Wall WC1 (ext)
0.11 V56 3/24/15 9" Brick Wall WC1 (ext)
0.2 V34 3/24/15 9" Brick Wall WC2 (int)
0.26 V32 3/24/15 9" Brick Wall WC2 (int)
0.12 V33 3/24/15 9" Brick Wall WC2 (int)
UPPER LEVEL NORTH
101
INTERMEDIATE LEVEL NORTH
104
LOWER LEVEL NORTH
106
0.56 V39 3/24/15 9" Brick Wall WC2 (int)
0.58 V40 3/24/15 9" Brick Wall WC2 (int)
0.29 V31 3/24/15 21" Brick Wall WC2 (int)
0.10 V53 3/24/15 9" Brick Wall WC1 (ext)
0.24 V54 3/24/15 9" Brick Wall WC1 (ext)
UPPER LEVEL CENTER
102
OPEN TO BELOW
ENTRY LOBBY
0.87 S52 9/15/15 21" Concrete Ceiling WC2 (int)
0.57 S53 9/15/15 51" Concrete Ceiling WC2 (int)
0.42 V41 3/24/15 9" Brick Wall WC2 (int)
0.18 V42 3/24/15 9" Brick Wall WC2 (int)



UPPER AND LOWER BASEMENT DEMO PLAN (1 / A005)

KEY

- = WC_1 - Grey Exterior Window Caulk
- = WC_2 - Grey Interior Window Caulk
- = DC_1 - Grey Exterior Door Caulk
- = DC_2 - Grey Interior Door Caulk
- = BC_1 - Pink/Grey Exterior Building Caulk

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21 Griffin Road North
Windsor, CT 06095
Phone: 860.298.9692

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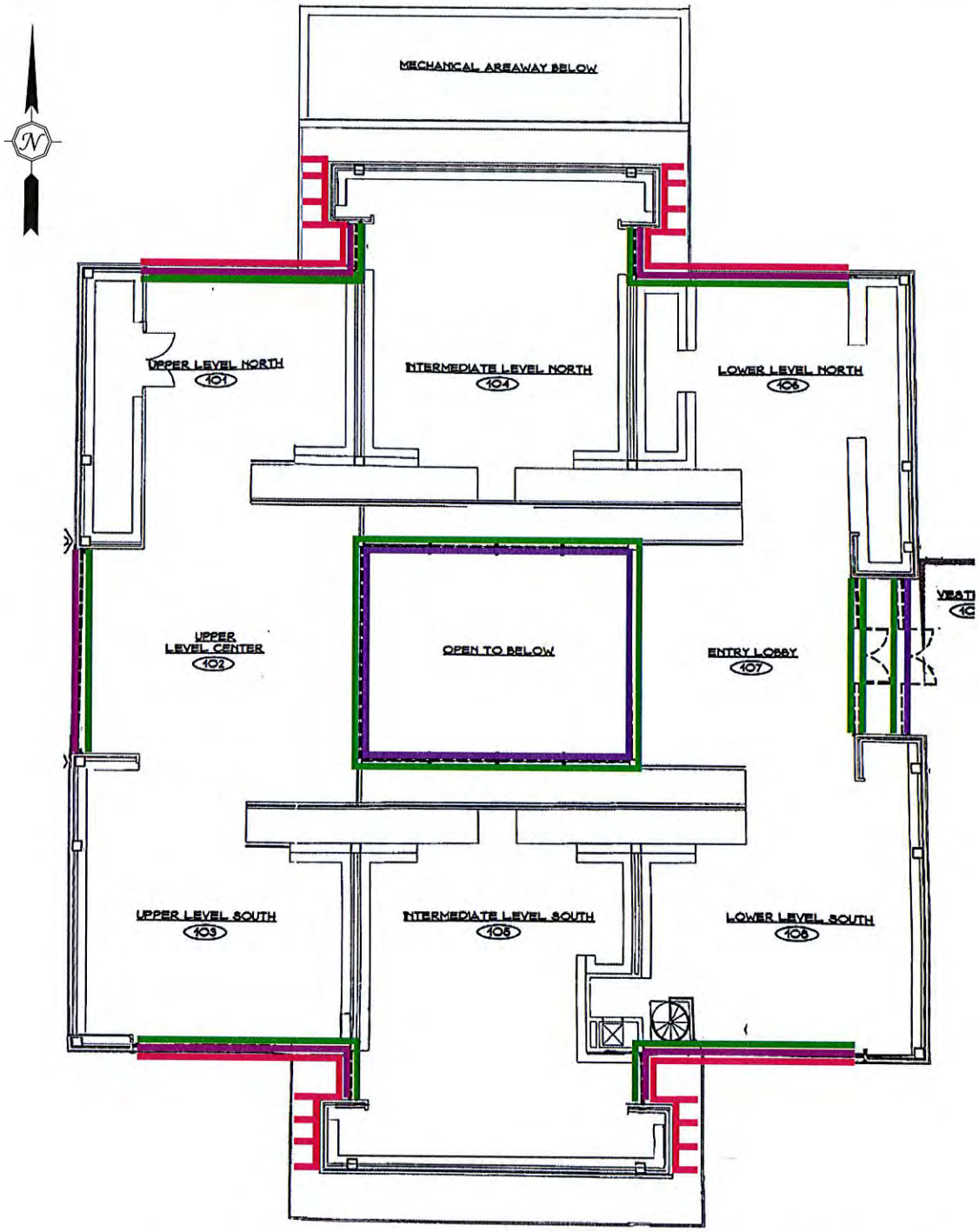
50 NORTH MAIN STREET, SUFFIELD, CONNECTICUT

FIGURE 2A
REGULATED PCB CAULK LOCATIONS

DATE: 07/2015 | PROJECT NO. 223120.0000.000000



UPPER INTERMEDIATE, AND FIRST FLOOR DEMO PLAN 2/A005

KEY

- = WC_1 - Grey Exterior Window Caulk
- = WC_2 - Grey Interior Window Caulk
- = DC_1 - Grey Exterior Door Caulk
- = DC_2 - Grey Interior Door Caulk
- = BC_1 - Pink/Grey Exterior Building Caulk

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Windsor, CT 06095
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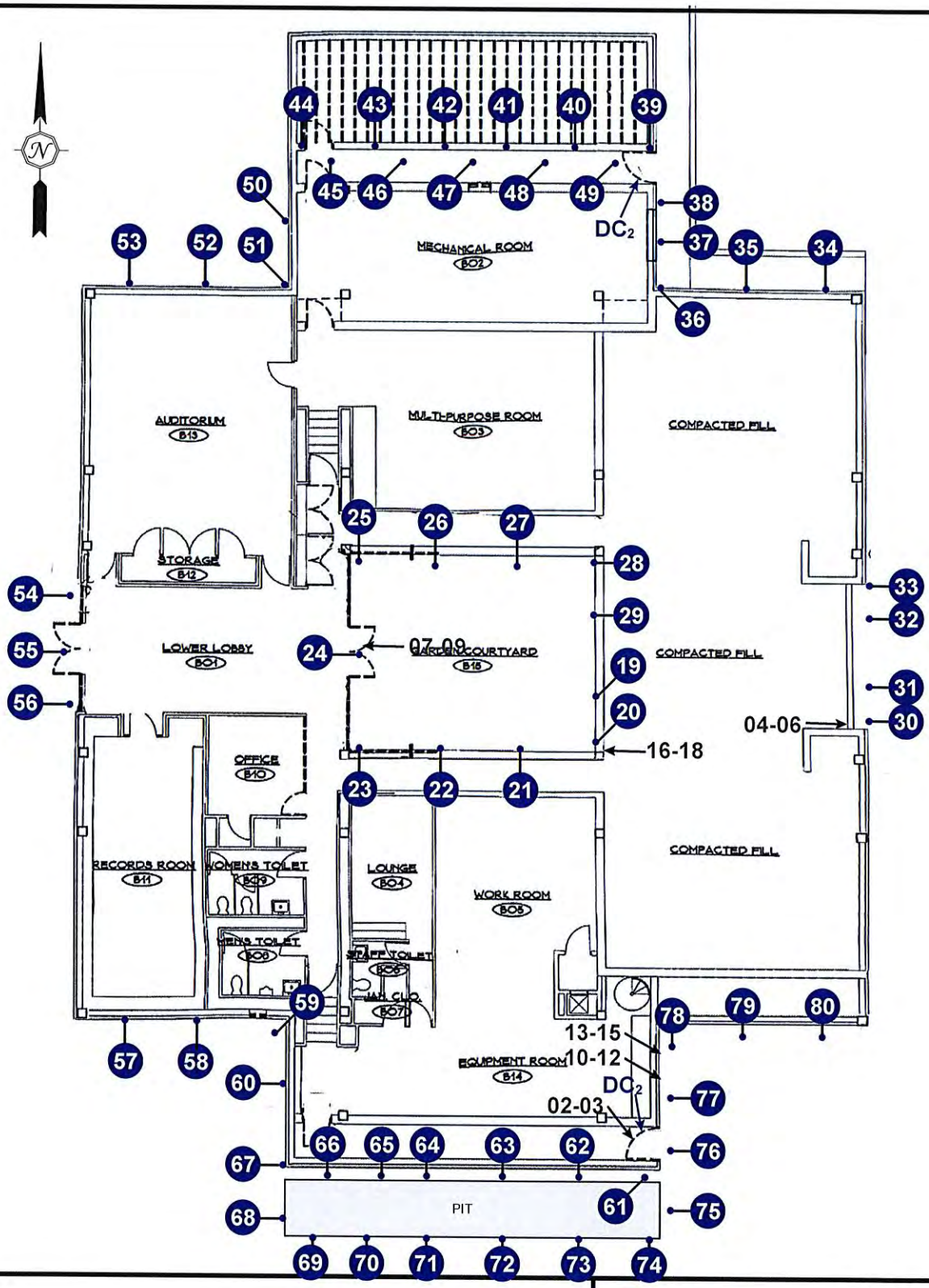
FIGURE 2B
PCB CAULK LOCATIONS

DATE: 07/2015 | PROJECT NO. 223120.0000.000000



KEY

33 Surface soil/sample location (07/03/13)

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Windsor, CT 06095
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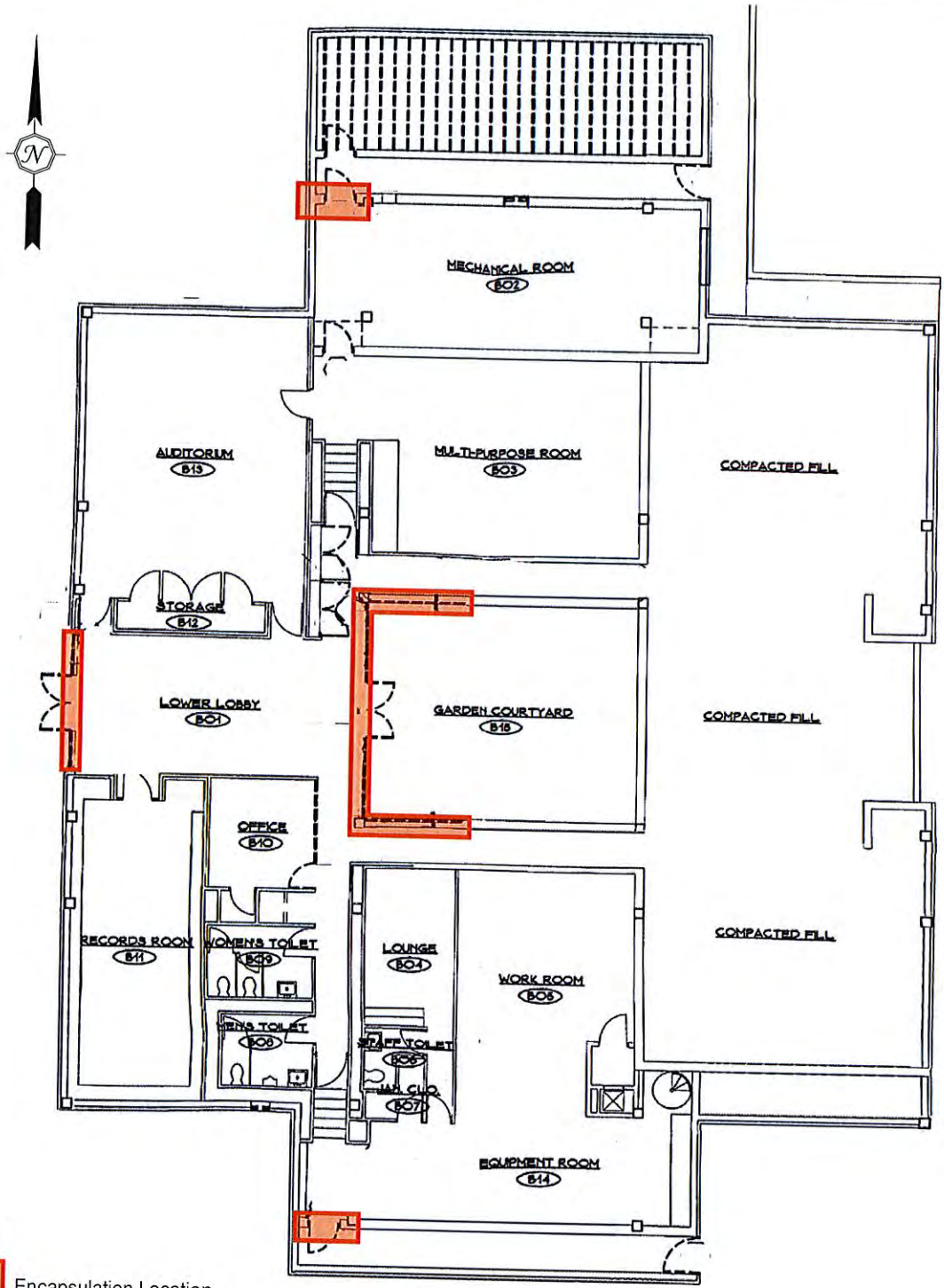
FIGURE 3
SURFACE SOIL SAMPLE LOCATIONS

DATE: 07/2015 | PROJECT NO. 223120.0000.000000



UPPER AND LOWER BASEMENT DEMO PLAN (1 / A005)

Encapsulation Plan

- Encapsulate interior and exterior concrete walls to 12" from the caulk line
- Encapsulate entire sides of interior and exterior columns where associated with caulk
- Encapsulate interior concrete ceilings to 21" from the caulk line
- Encapsulate exterior concrete ceilings/soffits to 6" from the caulk line
- Encapsulate exterior granite to 6" from the caulk line

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Windsor, CT 06095
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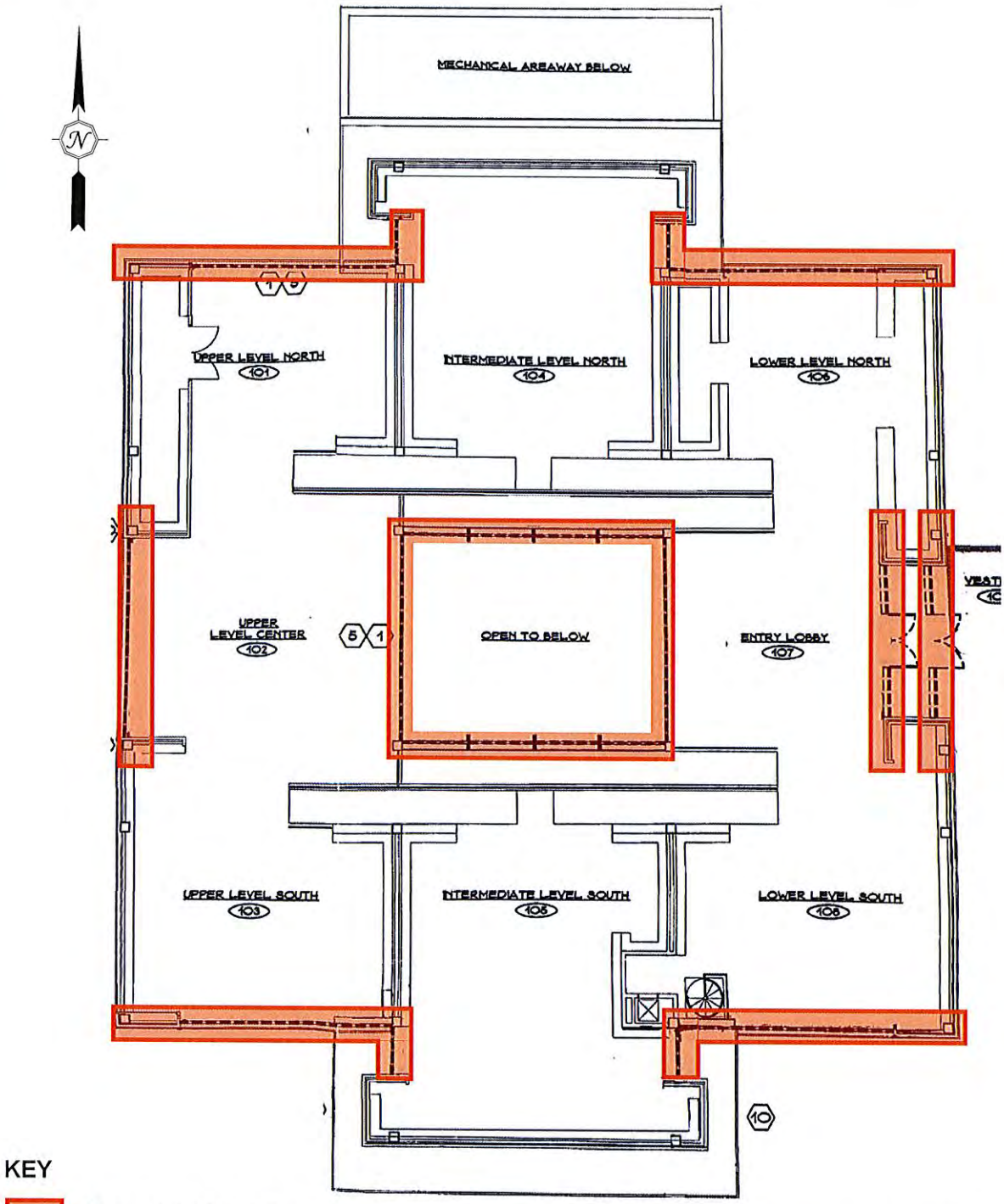
FIGURE 4A
ENCAPSULATION LOCATIONS

DATE: 09/2015 | PROJECT NO. 223120.0000.000000



Encapsulation Plan

- Encapsulate interior and exterior concrete walls to 12" from the caulk line
- Encapsulate entire sides of interior and exterior columns where associated with caulk
- Encapsulate interior concrete ceilings to 21" from the caulk line
- Encapsulate exterior concrete ceilings/soffits to 6" from the caulk line
- Encapsulate exterior granite to 6" from the caulk line

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Windsor, CT 06095
Phone: 860.298.9692

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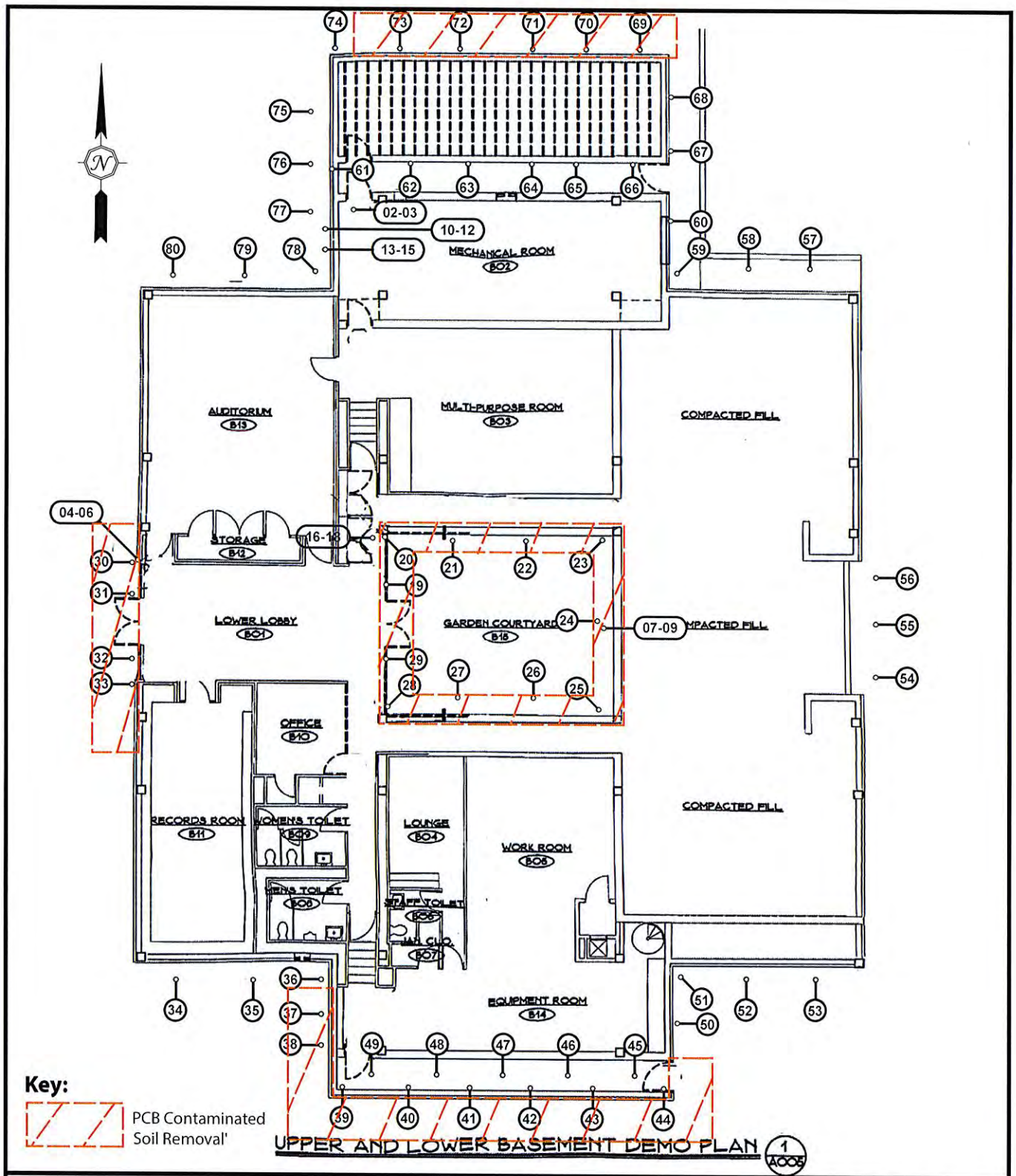
50 NORTH MAIN STREET, SUFFIELD, CONNECTICUT

FIGURE 4B
ENCAPSULATION LOCATIONS

DATE: 07/2015 | PROJECT NO. 223120.0000.000000



Notes:

- Remove PCB contaminated soil within limits shown on this Figure to a distance of 5 feet out from the building and to a depth of 1 foot.
- Dispose of contaminated soil as PCB remediation waste (PCBs > 50 PPM).
- **Verification sampling shall be conducted by the Environmental Engineer in** accordance with EPA 40 CFR 761 Subpart O, on a 5 foot grid and CTDEEP RSR 22a-133k-1 through 3.

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Windsor, CT 06095
Phone: 860.298.9692

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50 NORTH MAIN STREET, SUFFIELD, CONNECTICUT

FIGURE 5
SOIL REMEDIATION PLAN

DATE: 07/2015 | PROJECT NO. 223120.0000.000000

APPENDIX A

Analytical Data Reports

PHOENIX
Environmental Laboratories, Inc.

Wednesday, May 13, 2015

Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: 223120.0020.0001
Sample ID#s: BJ13815 - BJ13836

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information

Matrix: SOLID
Location Code: TRC-PCB
Rush Request: 48 Hour
P.O.#:

Custody Information

		Date	Time
Collected by:			
Received by:	LPB	05/05/15	10:49
Analyzed by:	see "By" below	05/07/15	17:20

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13815

Project ID: 223120.0020.0001
Client ID: B1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	390	mg/Kg	2500	05/11/15	AW	SW8082A
PCB-1221	ND	390	mg/Kg	2500	05/11/15	AW	SW8082A
PCB-1232	ND	390	mg/Kg	2500	05/11/15	AW	SW8082A
PCB-1242	ND	390	mg/Kg	2500	05/11/15	AW	SW8082A
PCB-1248	ND	390	mg/Kg	2500	05/11/15	AW	SW8082A
PCB-1254	1700	390	mg/Kg	2500	05/11/15	AW	SW8082A
PCB-1260	ND	390	mg/Kg	2500	05/11/15	AW	SW8082A
PCB-1262	ND	390	mg/Kg	2500	05/11/15	AW	SW8082A
PCB-1268	ND	390	mg/Kg	2500	05/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	2500	05/11/15	AW	30 - 150 %
% TCMX	Diluted Out		%	2500	05/11/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: B1

Phoenix I.D.: BJ13815

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	10:57
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13816

Project ID: 223120.0020.0001
Client ID: B2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	16	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1221	ND	16	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1232	ND	16	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1242	ND	16	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1248	ND	16	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1254	140	16	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1260	ND	16	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1262	ND	16	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1268	ND	16	mg/Kg	100	05/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	100	05/09/15	AW	30 - 150 %
% TCMX	Diluted Out		%	100	05/09/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: B2

Phoenix I.D.: BJ13816

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information

Matrix: SOLID
Location Code: TRC-PCB
Rush Request: 48 Hour
P.O.#:

Custody Information

		Date	Time
Collected by:		05/05/15	10:50
Received by:	LPB	05/07/15	17:20
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13817

Project ID: 223120.0020.0001
Client ID: S1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	1.6	mg/Kg	50	05/11/15	AW	SW8082A
PCB-1221	ND	1.6	mg/Kg	50	05/11/15	AW	SW8082A
PCB-1232	ND	1.6	mg/Kg	50	05/11/15	AW	SW8082A
PCB-1242	ND	1.6	mg/Kg	50	05/11/15	AW	SW8082A
PCB-1248	ND	1.6	mg/Kg	50	05/11/15	AW	SW8082A
PCB-1254	6.8	1.6	mg/Kg	50	05/11/15	AW	SW8082A
PCB-1260	ND	1.6	mg/Kg	50	05/11/15	AW	SW8082A
PCB-1262	ND	1.6	mg/Kg	50	05/11/15	AW	SW8082A
PCB-1268	ND	1.6	mg/Kg	50	05/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	50	05/11/15	AW	30 - 150 %
% TCMX	Diluted Out		%	50	05/11/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information

Matrix: SOLID
Location Code: TRC-PCB
Rush Request: 48 Hour
P.O.#:

Custody Information

		Date	Time
Collected by:			
Received by:	LPB	05/05/15	10:44
Analyzed by:	see "By" below	05/07/15	17:20

Laboratory Data

Project ID: 223120.0020.0001
Client ID: S2

SDG ID: GBJ13815
Phoenix ID: BJ13818

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	1.7	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	111		%	10	05/08/15	AW	30 - 150 %
% TCMX	93		%	10	05/08/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	10:34
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13819

Project ID: 223120.0020.0001
Client ID: S3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	1.2	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	106		%	10	05/08/15	AW	30 - 150 %
% TCMX	87		%	10	05/08/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	11:25
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13820

Project ID: 223120.0020.0001
Client ID: S4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	3.1	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	10	05/08/15	AW	30 - 150 %
% TCMX	102		%	10	05/08/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: S4

Phoenix I.D.: BJ13820

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	11:19
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13821

Project ID: 223120.0020.0001
Client ID: S5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	1.7	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	10	05/08/15	AW	30 - 150 %
% TCMX	101		%	10	05/08/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: S5

Phoenix I.D.: BJ13821

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	11:14
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13822

Project ID: 223120.0020.0001
Client ID: S6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	1.3	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	109		%	10	05/08/15	AW	30 - 150 %
% TCMX	98		%	10	05/08/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: S6

Phoenix I.D.: BJ13822

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	11:54
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13823

Project ID: 223120.0020.0001
Client ID: S7

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	0.36	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	114		%	10	05/08/15	AW	30 - 150 %
% TCMX	103		%	10	05/08/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: S7

Phoenix I.D.: BJ13823

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
May 13, 2015
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Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	11:47
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13824

Project ID: 223120.0020.0001
Client ID: S8

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	94		%	10	05/08/15	AW	30 - 150 %
% TCMX	74		%	10	05/08/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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May 13, 2015
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Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	11:43
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13825

Project ID: 223120.0020.0001
Client ID: S9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	95		%	10	05/08/15	AW	30 - 150 %
% TCMX	79		%	10	05/08/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: S9

Phoenix I.D.: BJ13825

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	13:29
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13826

Project ID: 223120.0020.0001
Client ID: S10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	3.3	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1221	ND	3.3	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1232	ND	3.3	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1242	ND	3.3	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1248	ND	3.3	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1254	33	3.3	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1260	ND	3.3	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1262	ND	3.3	mg/Kg	100	05/09/15	AW	SW8082A
PCB-1268	ND	3.3	mg/Kg	100	05/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	100	05/09/15	AW	30 - 150 %
% TCMX	Diluted Out		%	100	05/09/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: S10

Phoenix I.D.: BJ13826

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	13:22
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13827

Project ID: 223120.0020.0001
Client ID: S11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	0.8	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	106		%	10	05/08/15	AW	30 - 150 %
% TCMX	96		%	10	05/08/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: S11

Phoenix I.D.: BJ13827

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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May 13, 2015
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Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	13:17
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13828

Project ID: 223120.0020.0001
Client ID: S12

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	0.77	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	106		%	10	05/08/15	AW	30 - 150 %
% TCMX	93		%	10	05/08/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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May 13, 2015
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Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information

Matrix: SOLID
Location Code: TRC-PCB
Rush Request: 48 Hour
P.O.#:

Custody Information

		Date	Time
Collected by:		05/05/15	13:59
Received by:	LPB	05/07/15	17:20
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13829

Project ID: 223120.0020.0001
Client ID: S13

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	3.1	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	108		%	10	05/08/15	AW	30 - 150 %
% TCMX	85		%	10	05/08/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	13:53
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13830

Project ID: 223120.0020.0001
Client ID: S14

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.41	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.41	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.41	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.41	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.41	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	1.2	0.41	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.41	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.41	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.41	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	10	05/08/15	AW	30 - 150 %
% TCMX	88		%	10	05/08/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	13:47
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13831

Project ID: 223120.0020.0001
Client ID: S15

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	0.45	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	10	05/08/15	AW	30 - 150 %
% TCMX	77		%	10	05/08/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	14:09
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13832

Project ID: 223120.0020.0001
Client ID: S16

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	3	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	10	05/08/15	AW	30 - 150 %
% TCMX	86		%	10	05/08/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: S16

Phoenix I.D.: BJ13832

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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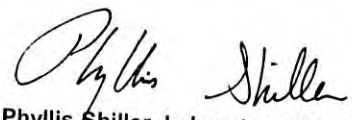

Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	14:24
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13833

Project ID: 223120.0020.0001
Client ID: S17

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	1.7	mg/Kg	50	05/08/15	AW	SW8082A
PCB-1221	ND	1.7	mg/Kg	50	05/08/15	AW	SW8082A
PCB-1232	ND	1.7	mg/Kg	50	05/08/15	AW	SW8082A
PCB-1242	ND	1.7	mg/Kg	50	05/08/15	AW	SW8082A
PCB-1248	ND	1.7	mg/Kg	50	05/08/15	AW	SW8082A
PCB-1254	13	1.7	mg/Kg	50	05/08/15	AW	SW8082A
PCB-1260	ND	1.7	mg/Kg	50	05/08/15	AW	SW8082A
PCB-1262	ND	1.7	mg/Kg	50	05/08/15	AW	SW8082A
PCB-1268	ND	1.7	mg/Kg	50	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	50	05/08/15	AW	30 - 150 %
% TCMX	Diluted Out		%	50	05/08/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	14:57
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13834

Project ID: 223120.0020.0001
Client ID: S18

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	PP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	2.5	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	111		%	10	05/08/15	AW	30 - 150 %
% TCMX	74		%	10	05/08/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	14:51
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13835

Project ID: 223120.0020.0001
Client ID: S19

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	QP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	05/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	05/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	05/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	05/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	05/09/15	AW	SW8082A
PCB-1254	4.5	0.33	mg/Kg	10	05/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	05/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	05/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	05/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	118		%	10	05/09/15	AW	30 - 150 %
% TCMX	84		%	10	05/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 13, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/05/15	14:47
Location Code:	TRC-PCB	Received by:	LPB	05/07/15	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ13815
Phoenix ID: BJ13836

Project ID: 223120.0020.0001
Client ID: S20

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/07/15	QP/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1221	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1232	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1242	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1248	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1254	0.8	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1260	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1262	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
PCB-1268	ND	0.32	mg/Kg	10	05/08/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	106		%	10	05/08/15	AW	30 - 150 %
% TCMX	82		%	10	05/08/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: S20

Phoenix I.D.: BJ13836

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
May 13, 2015
Reviewed and Released by: Maryam Taylor, Project Manager

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

May 13, 2015

QA/QC Data

SDG I.D.: GBJ13815

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 307218 (mg/Kg), QC Sample No: BJ13815 10X (BJ13815, BJ13816, BJ13817, BJ13818, BJ13819, BJ13820, BJ13821, BJ13822, BJ13823, BJ13824, BJ13825, BJ13826, BJ13827, BJ13828, BJ13829, BJ13830, BJ13831, BJ13832, BJ13833, BJ13834)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	0.17	68	80	16.2				40 - 140	30
PCB-1221	ND	0.17							40 - 140	30
PCB-1232	ND	0.17							40 - 140	30
PCB-1242	ND	0.17							40 - 140	30
PCB-1248	ND	0.17							40 - 140	30
PCB-1254	ND	0.17							40 - 140	30
PCB-1260	ND	0.17	78	87	10.9				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	93	%	86	96	11.0				30 - 150	30
% TCMX (Surrogate Rec)	81	%	81	94	14.9				30 - 150	30
Comment:										
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.										
QA/QC Batch 307223 (mg/Kg), QC Sample No: BJ13835 10X (BJ13835, BJ13836)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	0.17	82	90	9.3				40 - 140	30
PCB-1221	ND	0.17							40 - 140	30
PCB-1232	ND	0.17							40 - 140	30
PCB-1242	ND	0.17							40 - 140	30
PCB-1248	ND	0.17							40 - 140	30
PCB-1254	ND	0.17							40 - 140	30
PCB-1260	ND	0.17	87	94	7.7				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	100	%	99	102	3.0				30 - 150	30
% TCMX (Surrogate Rec)	63	%	68	75	9.8				30 - 150	30
Comment:										
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.										

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 13, 2015

Wednesday, May 13, 2015

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBJ13815 - TRC-PCB

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
*** No Data to Display ***								

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: 223120.0020.0001 **Project Number:**

Laboratory Sample ID(s): BJ13815, BJ13816, BJ13817, BJ13818, BJ13819, BJ13820, BJ13821, BJ13822, BJ13823, BJ13824, BJ13825, BJ13826, BJ13827, BJ13828, BJ13829, BJ13830, BJ13831, BJ13832, BJ13833, BJ13834, BJ13835, BJ13836

Sampling Date(s): 5/5/2015

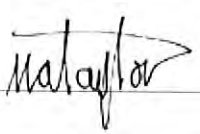
RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

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.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
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 (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
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 ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #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 providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: 

Date: Wednesday, May 13, 2015

Printed Name: Maryam Taylor

Position: Project Manager

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

May 13, 2015

SDG I.D.: GBJ13815

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 05/11/15-1 (BJ13815, BJ13817)

The initial calibration (PC504AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC504BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 5/11/2015

Instrument: Au-ecd29 05/08/15-1 (BJ13829, BJ13836)

The initial calibration (PC302AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC302BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 5/8/2015

Instrument: Au-ecd5 05/08/15-1 (BJ13815)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: noneThe initial calibration (PC423AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC423BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:
508A018 - PCB 1016 (-18%)

Printed Name Adam Werner
Position: Chemist
Date: 5/8/2015

Instrument: Au-ecd6 05/08/15-1 (BJ13815, BJ13816, BJ13820, BJ13821, BJ13822, BJ13823, BJ13824, BJ13825, BJ13830, BJ13831, BJ13832, BJ13833, BJ13834, BJ13835)

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

May 13, 2015

SDG I.D.: GBJ13815

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: noneThe initial calibration (PC420AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC420BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 5/8/2015

Instrument: Au-ecd8 05/08/15-1 (BJ13817, BJ13818, BJ13819, BJ13826, BJ13827, BJ13828, BJ13835)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: noneThe initial calibration (PC422AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC422BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 5/8/2015

QC Comments: QC Batch 307218 05/07/15 (BJ13815, BJ13816, BJ13817, BJ13818, BJ13819, BJ13820, BJ13821, BJ13822, BJ13823, BJ13824, BJ13825, BJ13826, BJ13827, BJ13828, BJ13829, BJ13830, BJ13831, BJ13832, BJ13833, BJ13834)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 307223 05/07/15 (BJ13835, BJ13836)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

May 13, 2015

SDG I.D.: GBJ13815

QC (Site Specific)

---------- Sample No: BJ13815, QA/QC Batch: 307218 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BJ13835, QA/QC Batch: 307223 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 4C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

CHAIN OF CUSTODY RECORD

Temp 10.6 °C Pg of

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: jgentile@trcsolutions.com

Customer: TRC
Address: 21 Griffin Rd N.
Windsor, CT 06095

Project: 223120.0020.0001
Report to: Henry Laliberte
Invoice to: same

Project P.O: C223120

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5/6/15

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request: 8082/3540

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (2) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
13815	B1	B	5-5-15	1049	X							X		BC1
13816	B2	B		1057										BC1
13817	S1 (conc.)	SD		1050										BC2 0"
13818	S2			1044										3"
13819	S3			1034										6"
13820	S4			1125										BC2 0"
13821	S5			1119										3"
13822	S6			1114										6"
13823	S7			1154										BC1/BC2 0"
13824	S8			1147										3"
13825	S9			1143										6"
13826	S10			1329										BC1/BC2 0"

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	5/6/15	
[signature]	[signature]	5/7/15	1720

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[X] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: CT

Data Format
[ ] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 10 °C Pg of

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: jgentile@trcsolutions.com

Customer: TRC
Address: 21 Griffin Rd N.
Windsor, CT 06095

Project: 223120.0020.0001
Report to: Henry Laliberte
Invoice to: same

Project P.O: C 223120

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5/6/15

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	8082/3540	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (2 oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
13827	S11 (conc)	SD	5-5-15	1322	X		1								DC1/DC4 3"
13828	S12	↓	↓	1317	↓		↓								↓ 6"
13829	S13			1359											DC2 0"
13830	S14			1353											↓ 3"
13831	S15			1347											↓ 6"
13832	S16			1409											DC2 6"
13833	S17			1424											DC2 6"
13834	S18 (granite)			1457											DC1/DC3 0"
13835	S19	↓		1451											↓ 3"
13836	S20	↓	↓	1447	↓		↓								↓ 6"

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	5/6/15	
[signature]	[signature]	5/7/15	1720

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[X] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: CT

Data Format
[ ] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

Monday, July 20, 2015

Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: KENT MEMORIAL LIBRARY
Sample ID#s: BJ43261 - BJ43277, BJ43279 - BJ43280, BJ43283, BJ43285 - BJ43290, BJ43293

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	8:30
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43261

Project ID: KENT MEMORIAL LIBRARY
Client ID: S21

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	NQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	95		%	10	07/09/15	AW	30 - 150 %
% TCMX	68		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	8:34
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43262

Project ID: KENT MEMORIAL LIBRARY
Client ID: S22

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	94		%	10	07/09/15	AW	30 - 150 %
% TCMX	71		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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Phyllis Shiller, Laboratory Director
July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	8:50
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43263

Project ID: KENT MEMORIAL LIBRARY
Client ID: S23

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	4.5	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1221	ND	4.5	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1232	ND	4.5	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1242	ND	4.5	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1248	ND	4.5	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1254	22	4.5	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1260	ND	4.5	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1262	ND	4.5	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1268	ND	4.5	mg/Kg	100	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	100	07/09/15	AW	30 - 150 %
% TCMX	Diluted Out		%	100	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	8:47
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43264

Project ID: KENT MEMORIAL LIBRARY
Client ID: S24

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	1.6	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	102		%	10	07/09/15	AW	30 - 150 %
% TCMX	89		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	8:43
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43265

Project ID: KENT MEMORIAL LIBRARY
Client ID: S25

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	99		%		07/13/15	I	SW846-%Solid
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.5	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.5	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.5	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.5	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.5	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	2.5	0.5	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.5	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.5	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.5	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	98		%	10	07/09/15	AW	30 - 150 %
% TCMX	78		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	8:40
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43266

Project ID: KENT MEMORIAL LIBRARY
Client ID: S26

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	1.3	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	99		%	10	07/09/15	AW	30 - 150 %
% TCMX	76		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	9:30
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43267

Project ID: KENT MEMORIAL LIBRARY
Client ID: S27

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	2.7	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.42	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	106		%	10	07/09/15	AW	30 - 150 %
% TCMX	93		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	9:27
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43268

Project ID: KENT MEMORIAL LIBRARY
Client ID: S28

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	1.4	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	103		%	10	07/09/15	AW	30 - 150 %
% TCMX	87		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	9:37
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43269

Project ID: KENT MEMORIAL LIBRARY
Client ID: S29

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	1.1	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	101		%	10	07/09/15	AW	30 - 150 %
% TCMX	90		%	10	07/09/15	AW	30 - 150 %

Project ID: KENT MEMORIAL LIBRARY
Client ID: S29

Phoenix I.D.: BJ43269

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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July 20, 2015
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Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	9:40
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43270

Project ID: KENT MEMORIAL LIBRARY
Client ID: S30

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	0.37	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	119		%	10	07/09/15	AW	30 - 150 %
% TCMX	90		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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July 20, 2015
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Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	10:20
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43271

Project ID: KENT MEMORIAL LIBRARY
Client ID: S31

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	160	mg/Kg	5000	07/09/15	AW	SW8082A
PCB-1221	ND	160	mg/Kg	5000	07/09/15	AW	SW8082A
PCB-1232	ND	160	mg/Kg	5000	07/09/15	AW	SW8082A
PCB-1242	ND	160	mg/Kg	5000	07/09/15	AW	SW8082A
PCB-1248	ND	160	mg/Kg	5000	07/09/15	AW	SW8082A
PCB-1254	670	160	mg/Kg	5000	07/09/15	AW	SW8082A
PCB-1260	ND	160	mg/Kg	5000	07/09/15	AW	SW8082A
PCB-1262	ND	160	mg/Kg	5000	07/09/15	AW	SW8082A
PCB-1268	ND	160	mg/Kg	5000	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	5000	07/09/15	AW	30 - 150 %
% TCMX	Diluted Out		%	5000	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	10:14
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43272

Project ID: KENT MEMORIAL LIBRARY
Client ID: S32

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	1.6	mg/Kg	50	07/09/15	AW	SW8082A
PCB-1221	ND	1.6	mg/Kg	50	07/09/15	AW	SW8082A
PCB-1232	ND	1.6	mg/Kg	50	07/09/15	AW	SW8082A
PCB-1242	ND	1.6	mg/Kg	50	07/09/15	AW	SW8082A
PCB-1248	ND	1.6	mg/Kg	50	07/09/15	AW	SW8082A
PCB-1254	2.2	1.6	mg/Kg	50	07/09/15	AW	SW8082A
PCB-1260	ND	1.6	mg/Kg	50	07/09/15	AW	SW8082A
PCB-1262	ND	1.6	mg/Kg	50	07/09/15	AW	SW8082A
PCB-1268	ND	1.6	mg/Kg	50	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	50	07/09/15	AW	30 - 150 %
% TCMX	Diluted Out		%	50	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	10:07
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43273

Project ID: KENT MEMORIAL LIBRARY
Client ID: S33

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	1	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	104		%	10	07/09/15	AW	30 - 150 %
% TCMX	92		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	10:00
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43274

Project ID: KENT MEMORIAL LIBRARY
Client ID: S34

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/09/15	PP/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.96	mg/Kg	10	07/10/15	AW	SW8082A
PCB-1221	ND	0.96	mg/Kg	10	07/10/15	AW	SW8082A
PCB-1232	ND	0.96	mg/Kg	10	07/10/15	AW	SW8082A
PCB-1242	ND	0.96	mg/Kg	10	07/10/15	AW	SW8082A
PCB-1248	ND	0.96	mg/Kg	10	07/10/15	AW	SW8082A
PCB-1254	5	0.96	mg/Kg	10	07/10/15	AW	SW8082A
PCB-1260	ND	0.96	mg/Kg	10	07/10/15	AW	SW8082A
PCB-1262	ND	0.96	mg/Kg	10	07/10/15	AW	SW8082A
PCB-1268	ND	0.96	mg/Kg	10	07/10/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	121		%	10	07/10/15	AW	30 - 150 %
% TCMX	108		%	10	07/10/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	11:06
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43275

Project ID: KENT MEMORIAL LIBRARY
Client ID: S35

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	2.4	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	108		%	10	07/09/15	AW	30 - 150 %
% TCMX	91		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	11:01
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43276

Project ID: KENT MEMORIAL LIBRARY
Client ID: S36

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	2.7	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	10	07/09/15	AW	30 - 150 %
% TCMX	134		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	12:05
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43277

Project ID: KENT MEMORIAL LIBRARY
Client ID: S37

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	108		%	10	07/09/15	AW	30 - 150 %
% TCMX	104		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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July 20, 2015
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	13:20
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43279

Project ID: KENT MEMORIAL LIBRARY
Client ID: S39

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	17	mg/Kg	500	07/10/15	AW	SW8082A
PCB-1221	ND	17	mg/Kg	500	07/10/15	AW	SW8082A
PCB-1232	ND	17	mg/Kg	500	07/10/15	AW	SW8082A
PCB-1242	ND	17	mg/Kg	500	07/10/15	AW	SW8082A
PCB-1248	ND	17	mg/Kg	500	07/10/15	AW	SW8082A
PCB-1254	70	17	mg/Kg	500	07/10/15	AW	SW8082A
PCB-1260	ND	17	mg/Kg	500	07/10/15	AW	SW8082A
PCB-1262	ND	17	mg/Kg	500	07/10/15	AW	SW8082A
PCB-1268	ND	17	mg/Kg	500	07/10/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	500	07/10/15	AW	30 - 150 %
% TCMX	Diluted Out		%	500	07/10/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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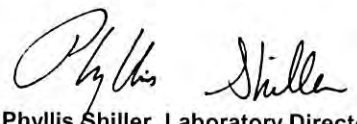

Phyllis Shiller, Laboratory Director
July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	13:07
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43280

Project ID: KENT MEMORIAL LIBRARY
Client ID: S40

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	QQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	1.4	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	107		%	10	07/09/15	AW	30 - 150 %
% TCMX	98		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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July 20, 2015
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	13:13
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43283

Project ID: KENT MEMORIAL LIBRARY
Client ID: S43

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	NQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	96		%	10	07/09/15	AW	30 - 150 %
% TCMX	79		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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July 20, 2015
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	13:21
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43285

Project ID: KENT MEMORIAL LIBRARY
Client ID: S45

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	NQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	0.91	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	98		%	10	07/09/15	AW	30 - 150 %
% TCMX	86		%	10	07/09/15	AW	30 - 150 %

Project ID: KENT MEMORIAL LIBRARY
Client ID: S45

Phoenix I.D.: BJ43285

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	13:35
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43286

Project ID: KENT MEMORIAL LIBRARY
Client ID: S46

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	NQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	1.5	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	98		%	10	07/09/15	AW	30 - 150 %
% TCMX	84		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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July 20, 2015
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Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/08/15	13:31
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43287

Project ID: KENT MEMORIAL LIBRARY
Client ID: S47

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	NQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1254	1	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	100		%	10	07/09/15	AW	30 - 150 %
% TCMX	84		%	10	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		07/08/15	13:50
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43288

Project ID: KENT MEMORIAL LIBRARY
Client ID: B3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	NQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	16	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1221	ND	16	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1232	ND	16	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1242	ND	16	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1248	ND	16	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1254	85	16	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1260	ND	16	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1262	ND	16	mg/Kg	100	07/09/15	AW	SW8082A
PCB-1268	ND	16	mg/Kg	100	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	100	07/09/15	AW	30 - 150 %
% TCMX	Diluted Out		%	100	07/09/15	AW	30 - 150 %

Project ID: KENT MEMORIAL LIBRARY
Client ID: B3

Phoenix I.D.: BJ43288

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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July 20, 2015
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		07/08/15	13:53
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43289

Project ID: KENT MEMORIAL LIBRARY
Client ID: B4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/09/15	PP/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	39000	mg/Kg	250000	07/10/15	AW	SW8082A
PCB-1221	ND	39000	mg/Kg	250000	07/10/15	AW	SW8082A
PCB-1232	ND	39000	mg/Kg	250000	07/10/15	AW	SW8082A
PCB-1242	ND	39000	mg/Kg	250000	07/10/15	AW	SW8082A
PCB-1248	ND	39000	mg/Kg	250000	07/10/15	AW	SW8082A
PCB-1254	130000	39000	mg/Kg	250000	07/10/15	AW	SW8082A
PCB-1260	ND	39000	mg/Kg	250000	07/10/15	AW	SW8082A
PCB-1262	ND	39000	mg/Kg	250000	07/10/15	AW	SW8082A
PCB-1268	ND	39000	mg/Kg	250000	07/10/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	250000	07/10/15	AW	30 - 150 %
% TCMX	Diluted Out		%	250000	07/10/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		07/08/15	13:56
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43290

Project ID: KENT MEMORIAL LIBRARY
Client ID: B5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	NQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	19000	mg/Kg	125000	07/09/15	AW	SW8082A
PCB-1221	ND	19000	mg/Kg	125000	07/09/15	AW	SW8082A
PCB-1232	ND	19000	mg/Kg	125000	07/09/15	AW	SW8082A
PCB-1242	ND	19000	mg/Kg	125000	07/09/15	AW	SW8082A
PCB-1248	ND	19000	mg/Kg	125000	07/09/15	AW	SW8082A
PCB-1254	93000	19000	mg/Kg	125000	07/09/15	AW	SW8082A
PCB-1260	ND	19000	mg/Kg	125000	07/09/15	AW	SW8082A
PCB-1262	ND	19000	mg/Kg	125000	07/09/15	AW	SW8082A
PCB-1268	ND	19000	mg/Kg	125000	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	125000	07/09/15	AW	30 - 150 %
% TCMX	Diluted Out		%	125000	07/09/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 20, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		07/08/15	14:01
Location Code:	TRC-PCBDAS	Received by:	LB	07/08/15	16:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ43261
Phoenix ID: BJ43293

Project ID: KENT MEMORIAL LIBRARY
Client ID: B8

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				07/08/15	NQ/UX	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	38000	mg/Kg	250000	07/09/15	AW	SW8082A
PCB-1221	ND	38000	mg/Kg	250000	07/09/15	AW	SW8082A
PCB-1232	ND	38000	mg/Kg	250000	07/09/15	AW	SW8082A
PCB-1242	ND	38000	mg/Kg	250000	07/09/15	AW	SW8082A
PCB-1248	ND	38000	mg/Kg	250000	07/09/15	AW	SW8082A
PCB-1254	110000	38000	mg/Kg	250000	07/09/15	AW	SW8082A
PCB-1260	ND	38000	mg/Kg	250000	07/09/15	AW	SW8082A
PCB-1262	ND	38000	mg/Kg	250000	07/09/15	AW	SW8082A
PCB-1268	ND	38000	mg/Kg	250000	07/09/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	250000	07/09/15	AW	30 - 150 %
% TCMX	Diluted Out		%	250000	07/09/15	AW	30 - 150 %

Project ID: KENT MEMORIAL LIBRARY
Client ID: B8

Phoenix I.D.: BJ43293

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 20, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 20, 2015

QA/QC Data

SDG I.D.: GBJ43261

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 313156 (mg/Kg), QC Sample No: BJ43157 10X (BJ43261)											
Polychlorinated Biphenyls - Solid											
PCB-1016	ND	0.17	73	72	1.4	83	87	4.7	40 - 140	30	
PCB-1221	ND	0.17							40 - 140	30	
PCB-1232	ND	0.17							40 - 140	30	
PCB-1242	ND	0.17							40 - 140	30	
PCB-1248	ND	0.17							40 - 140	30	
PCB-1254	ND	0.17							40 - 140	30	
PCB-1260	ND	0.17	82	83	1.2	108	111	2.7	40 - 140	30	
PCB-1262	ND	0.17							40 - 140	30	
PCB-1268	ND	0.17							40 - 140	30	
% DCBP (Surrogate Rec)	93	%	89	91	2.2	92	95	3.2	30 - 150	30	
% TCMX (Surrogate Rec)	82	%	70	66	5.9	76	84	10.0	30 - 150	30	
QA/QC Batch 313164 (mg/Kg), QC Sample No: BJ43278 10X (BJ43262, BJ43263, BJ43264, BJ43265, BJ43266, BJ43267, BJ43268, BJ43269, BJ43270, BJ43271, BJ43272, BJ43273, BJ43274, BJ43275, BJ43276, BJ43277, BJ43279, BJ43280)											
Polychlorinated Biphenyls - Solid											
PCB-1016	ND	0.17	63	66	4.7	80	65	20.7	40 - 140	30	
PCB-1221	ND	0.17							40 - 140	30	
PCB-1232	ND	0.17							40 - 140	30	
PCB-1242	ND	0.17							40 - 140	30	
PCB-1248	ND	0.17							40 - 140	30	
PCB-1254	ND	0.17							40 - 140	30	
PCB-1260	ND	0.17	83	86	3.6	90	84	6.9	40 - 140	30	
PCB-1262	ND	0.17							40 - 140	30	
PCB-1268	ND	0.17							40 - 140	30	
% DCBP (Surrogate Rec)	92	%	95	97	2.1	90	79	13.0	30 - 150	30	
% TCMX (Surrogate Rec)	57	%	65	71	8.8	70	48	37.3	30 - 150	30	r
QA/QC Batch 313165 (mg/Kg), QC Sample No: BJ43282 10X (BJ43283, BJ43285, BJ43286, BJ43287, BJ43288, BJ43289, BJ43290, BJ43293)											
Polychlorinated Biphenyls - Solid, Bulk											
PCB-1016	ND	0.17	80	68	16.2				40 - 140	30	
PCB-1221	ND	0.17							40 - 140	30	
PCB-1232	ND	0.17							40 - 140	30	
PCB-1242	ND	0.17							40 - 140	30	
PCB-1248	ND	0.17							40 - 140	30	
PCB-1254	ND	0.17							40 - 140	30	
PCB-1260	ND	0.17	85	75	12.5				40 - 140	30	
PCB-1262	ND	0.17							40 - 140	30	
PCB-1268	ND	0.17							40 - 140	30	
% DCBP (Surrogate Rec)	102	%	100	88	12.8				30 - 150	30	
% TCMX (Surrogate Rec)	93	%	86	67	24.8				30 - 150	30	

r = This parameter is outside laboratory rpd specified recovery limits.

QA/QC Data

SDG I.D.: GBJ43261

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
July 20, 2015

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBJ43261 - TRC-PCBDAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: KENT MEMORIAL LIBRARY **Project Number:**

Laboratory Sample ID(s): BJ43261, BJ43262, BJ43263, BJ43264, BJ43265, BJ43266, BJ43267, BJ43268, BJ43269, BJ43270, BJ43271, BJ43272, BJ43273, BJ43274, BJ43275, BJ43276, BJ43277, BJ43279, BJ43280, BJ43283, BJ43285, BJ43286, BJ43287, BJ43288, BJ43289, BJ43290, BJ43293

Sampling Date(s): 7/8/2015

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

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.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes	☐ No	☑ NA
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 (< 6 Degrees C)?	☑ Yes	☐ No	☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: PCB Narration.	☐ Yes	☑ No	
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes	☐ No	
5b.	Were these reporting limits met?	☑ Yes	☐ No	☐ NA
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	☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes	☐ No	☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #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 providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Monday, July 20, 2015

Printed Name: Ethan Lee

Position: Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

July 20, 2015

SDG I.D.: GBJ43261

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 313164 (Samples: BJ43262, BJ43263, BJ43264, BJ43265, BJ43267, BJ43268, BJ43269, BJ43270, BJ43271, BJ43272, BJ43273, BJ43274, BJ43275, BJ43276, BJ43277, BJ43279, BJ43280) ----

The MS/MSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (%TCMX)

Instrument: Au-ecd1 07/09/15-1 (BJ43261, BJ43272, BJ43277)

The initial calibration (PC708AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC708BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 7/9/2015

Instrument: Au-ecd1 07/10/15-1 (BJ43289)

The initial calibration (PC708AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC708BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 7/10/2015

Instrument: Au-ecd3 07/09/15-1 (BJ43265, BJ43266, BJ43267, BJ43268, BJ43269, BJ43270, BJ43273, BJ43275, BJ43276)

The initial calibration (PC708AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC708BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 7/9/2015

Instrument: Au-ecd6 07/09/15-1 (BJ43262, BJ43264, BJ43271, BJ43280, BJ43293)

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

July 20, 2015

SDG I.D.: GBJ43261

The initial calibration (PC708AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC708BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 7/9/2015

Instrument: Au-ecd6 07/10/15-1 (BJ43274)

The initial calibration (PC708AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC708BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 7/10/2015

Instrument: Au-ecd8 07/09/15-1 (BJ43290)

The initial calibration (PC623AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC623BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 7/9/2015

Instrument: Au-ecdcart1 07/09/15-1 (BJ43263, BJ43279, BJ43283, BJ43285, BJ43286, BJ43287, BJ43288)

The initial calibration (PC625AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC625BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 7/9/2015

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

July 20, 2015

SDG I.D.: GBJ43261

QC (Batch Specific)

---------- Sample No: BJ43157, QA/QC Batch: 313156 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BJ43278, QA/QC Batch: 313164 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BJ43282, QA/QC Batch: 313165 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 4C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

USE CT DAS RATES

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Temp 4 °C Pg of

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: hlaliberte@trcsolutions.com

Customer: TRC
Address: 21 Griffin Rd N.
Windsor, CT 06095

Project: Kent Memorial Library
Report to: Henry Laliberte
Invoice to: same

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: ~~7/7/15~~ 7/8/15

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request: 8082 | 3540

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	8082	3540	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (2) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	
43261	S21	SD	7/8/15	830	X			X									6" granite (WC2)
43262	S22	↓	↓	834	↓			↓									6" granite (WC2)
43263	S23			850													WC2 ceiling 0"
43264	S24			847													" " 3"
43265	S25			843													" " 6"
43266	S26			840													" " 9"
43267	S27			930													WC2 column 9"
43268	S28			927													" " 12"
43269	S29			937													DC2 conc. 9"
43270	S30			940													" " 12"
43271	S31			1000													WC2 ceiling 0"
43272	S32	↓	↓	~~1000~~ 1014	↓			↓									" " 3"

Relinquished by:	Accepted by:	Date:	Time:
[signature]		7/8/15	
~~[signature]~~	TFC	7/8/15	10:00

Comments, Special Requirements or Regulations:
-Stop analysis in series once get result < 1ppm

Call Jon Gentile with questions 860-817-2907

Turnaround:
[ ] 1 Day*
[X] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: CT

Data Format
[ ] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

USE CT DAS RATES

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]
Temp 4 °C Pg of

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: hlaliberte@trcsolutions.com

Customer: TRC
Address: 21 Griffin Rd N
Windsor, CT 06095

Project: KML
Report to: H. Laliberte
Invoice to: Same

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 7/8/15

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	8082/3540	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (2) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	
43273	S33	SD	7/8/15	1007	X		X									WC2 ceiling 6"
43274	S34			1000												" " 9"
43275	S35			1106												WC2 conc. 9"
43276	S36			1101												" " 12"
43277	S37			1205												BC1 Brick 0"
43278	S38			1202												" " 3"
43279	S39			1320												WC2 ceiling 0"
43280	S40			1307												" " 3"
43281	S41			1247												" " 6"
43282	S42			1230												" " 9"
43283	S43			1313												BC1 brick 0"
43284	S44			1310												" " 3"

Relinquished by:	Accepted by:	Date:	Time:
[signature]		7/8/15	
[signature]	[signature]	7/8/15	10:00

Comments, Special Requirements or Regulations:

- Stop analysis in series once get result ≥ 1ppm

Turnaround:
[ ] 1 Day*
[X] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: CT

Data Format
[ ] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

* USE CT DAS RATES *

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]
Temp 4 °C Pg of

CHAIN OF CUSTODY RECORD

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: hlaliberte@trcsolutions.com

Customer: TRC
Address: 21 Griffin Rd N.
Windsor, CT 06095

Project: KML
Report to: H. Laliberte
Invoice to: Same

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 7/8/15

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request: 8082/3540

Bottle columns: Soil VOA Vials [ ] methanol [ ] H2O; GL Soil container (2) oz; GL Soil container ( ) oz; 40 ml VOA Vial [ ] As is [ ] HCl; GL Amber 1000ml [ ] As is [ ] H2SO4; PL As is [ ] 250ml [ ] 500ml [ ] 1000ml; PL H2SO4 [ ] 250ml [ ] 500ml; PL HNO3 250ml; PL NaOH 250ml; Bacteria Bottle

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	8082/3540	GL Soil container (2 oz)	
43285	S45	SD	7/8/15	1321	X	X	WC1 ceiling 6"
43286	S46	↓	↓	1335	↓	↓	WC2 conc. 9"
43287	S47	↓	↓	1331	↓	↓	WC2 conc. 12"
*43288	B3	B	↓	1350	↓	↓	DC1
*43289	B4	↓	↓	1353	↓	↓	DC2
*43290	B5	↓	↓	1356	↓	↓	WC1
43291	B6	↓	↓	1358	↓	↓	WC1
43292	B7	↓	↓	1359	↓	↓	WC1
*43293	B8	↓	↓	1401	↓	↓	WC2
43294	B9	↓	↓	1407	↓	↓	WC2
43295	B10	↓	↓	1409	↓	↓	WC2

Relinquished by:	Accepted by:	Date:	Time:
[signature]		7/8/15	
[signature]	[signature]	7/8/15	1000

Comments, Special Requirements or Regulations:
- For Solids stop analysis in series once result is < 1ppm
- For Bulk Samples WC1 + WC2 stop analysis @ first sample ≥ 50ppm

* Run Samples per Jon - Extract

Turnaround:
[ ] 1 Day*
[X] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[ ] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other

State where samples were collected: CT

* SURCHARGE APPLIES

Bobbi - Phoenixlabs

From: Gentile, Jonathan [JGentile@trcsolutions.com]
Sent: Friday, July 10, 2015 6:03 PM
To: Bobbi Aloisa
Cc: Laliberte, Henry
Subject: Re: Kent Memorial School Rush results and possible add on's

The bulk samples can stop. Only continue on the concrete samples.

Sincerely,
Jonathan Gentile

On Jul 10, 2015, at 5:41 PM, Bobbi Aloisa <bobbi@phoenixlabs.com> wrote:

> Even those bulk samples? They really aren't on a Sieries
>
> Sent from my iPhone
>
> > On Jul 10, 2015, at 5:25 PM, Laliberte, Henry <HLaliberte@trcsolutions.com> wrote:
> >
> > Please continue analysis in series where results remain >1ppm.
> >
> > Sent from my iPhone
> >
> > > On Jul 10, 2015, at 3:24 PM, Bobbi - Phoenixlabs <bobbi@phoenixlabs.com> wrote:
> > >
> > > Hi Henry
> > >
> > > Attached are the 1st round of results for Kent. Based on these results, I
> > >
> > > have added on your samples S24, S28, S30, S32, S34, S36, S40 for PCBs
> > >
> > > because the first layer was >1ppm. Please let me know what you would like
> > >
> > > me to do as far as add on's for any of the Bulk samples labeled

with B's.

Thank you-

Bobbi

Bobbi Aloisa

Vice President

Director of Client Services

Phoenix Environmental Laboratories

587 East Middle Turnpike

Manchester, CT 06040

Ph: 860-645-8728

<Cover Page_91.pdf>

Bobbi - Phoenixlabs

From: Laliberte, Henry [HLaliberte@trcsolutions.com]
Sent: Monday, July 13, 2015 3:48 PM
To: Bobbi - Phoenixlabs
Cc: Gentile, Jonathan
Subject: Re: S33 result

Please do

Sent from my iPhone

> On Jul 13, 2015, at 2:54 PM, Bobbi - Phoenixlabs <bobbi@phoenixlabs.com> wrote:
>
> Henry
> We did S33 (see attached)
>
> I am adding onto sample S25 only at this point, if you agree.
>
> Thank you
> Bobbi
>
> Bobbi Aloisa
> Vice President
> Director of Client Services
> Phoenix Environmental Laboratories
> 587 East Middle Turnpike
> Manchester, CT 06040
> Ph: 860-645-8728
> <Cover Page_93.pdf>

Bobbi - Phoenixlabs

From: Bobbi - Phoenixlabs [bobbi@phoenixlabs.com]
Sent: Wednesday, July 15, 2015 11:21 AM
To: HLaliberte@trcsolutions.com; JGentile@trcsolutions.com
Cc: 'Bobbi - Phoenixlabs'
Subject: S25 result

Attachments: Cover Page_96.pdf

Cover Page_96.pdf (1 MB)

Henry
Based on this result I am going to add onto S26 (BJ43266) 9"

You can get a final of all results once we are done adding on :-)

Bobbi

Bobbi Aloisa
Vice President
Director of Client Services
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 860-645-8728

Report Date:
06-Apr-15 11:47

☑ 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: Kent Memorial Library - Suffield, CT
Project #: 223120.0000.0000

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC04875-01	V1	Brick	23-Mar-15 09:11	26-Mar-15 16:05
SC04875-02	V2	Brick	23-Mar-15 09:19	26-Mar-15 16:05
SC04875-03	V3	Brick	23-Mar-15 09:25	26-Mar-15 16:05
SC04875-04	V4	Brick	23-Mar-15 09:28	26-Mar-15 16:05
SC04875-05	V5	Brick	23-Mar-15 09:35	26-Mar-15 16:05
SC04875-06	V6	Brick	23-Mar-15 09:41	26-Mar-15 16:05
SC04875-07	V7	Brick	23-Mar-15 09:52	26-Mar-15 16:05
SC04875-08	V8	Brick	23-Mar-15 09:55	26-Mar-15 16:05
SC04875-09	V9	Brick	23-Mar-15 09:59	26-Mar-15 16:05
SC04875-10	V10	Brick	23-Mar-15 10:04	26-Mar-15 16:05
SC04875-11	V11	Brick	23-Mar-15 10:07	26-Mar-15 16:05
SC04875-12	V12	Brick	23-Mar-15 10:10	26-Mar-15 16:05
SC04875-13	V13	Brick	23-Mar-15 10:13	26-Mar-15 16:05
SC04875-14	V14	Brick	23-Mar-15 10:17	26-Mar-15 16:05
SC04875-15	V15	Brick	23-Mar-15 10:21	26-Mar-15 16:05
SC04875-16	V16	Brick	23-Mar-15 10:24	26-Mar-15 16:05
SC04875-17	V17	Brick	23-Mar-15 10:27	26-Mar-15 16:05
SC04875-18	V18	Brick	23-Mar-15 10:45	26-Mar-15 16:05
SC04875-19	V19	Brick	23-Mar-15 10:48	26-Mar-15 16:05
SC04875-20	V20	Brick	23-Mar-15 10:51	26-Mar-15 16:05
SC04875-21	V21	Brick	23-Mar-15 13:00	26-Mar-15 16:05
SC04875-22	V22	Brick	23-Mar-15 13:05	26-Mar-15 16:05
SC04875-23	V23	Brick	23-Mar-15 13:09	26-Mar-15 16:05
SC04875-24	V24	Brick	23-Mar-15 13:14	26-Mar-15 16:05
SC04875-25	V25	Brick	23-Mar-15 13:23	26-Mar-15 16:05
SC04875-26	V26	Brick	23-Mar-15 13:27	26-Mar-15 16:05
SC04875-27	V27	Brick	24-Mar-15 09:03	26-Mar-15 16:05
SC04875-28	V28	Brick	24-Mar-15 09:08	26-Mar-15 16:05
SC04875-29	V29	Brick	24-Mar-15 09:17	26-Mar-15 16:05
SC04875-30	V30	Brick	24-Mar-15 09:22	26-Mar-15 16:05
SC04875-31	V31	Brick	24-Mar-15 09:26	26-Mar-15 16:05
SC04875-32	V32	Brick	24-Mar-15 09:39	26-Mar-15 16:05
SC04875-33	V33	Brick	24-Mar-15 09:43	26-Mar-15 16:05
SC04875-34	V34	Brick	24-Mar-15 10:34	26-Mar-15 16:05
SC04875-35	V35	Brick	24-Mar-15 10:38	26-Mar-15 16:05
SC04875-36	V36	Brick	24-Mar-15 10:43	26-Mar-15 16:05
SC04875-37	V37	Brick	24-Mar-15 10:58	26-Mar-15 16:05

SC04875-38	V38	Brick	24-Mar-15 10:42	26-Mar-15 16:05
SC04875-39	V39	Brick	24-Mar-15 11:35	26-Mar-15 16:05
SC04875-40	V40	Brick	24-Mar-15 11:40	26-Mar-15 16:05
SC04875-41	V41	Brick	24-Mar-15 11:47	26-Mar-15 16:05
SC04875-42	V42	Brick	24-Mar-15 11:50	26-Mar-15 16:05
SC04875-43	V43	Brick	24-Mar-15 11:58	26-Mar-15 16:05
SC04875-44	V44	Brick	24-Mar-15 12:02	26-Mar-15 16:05
SC04875-45	V45	Brick	24-Mar-15 12:08	26-Mar-15 16:05
SC04875-46	V46	Brick	24-Mar-15 12:11	26-Mar-15 16:05
SC04875-47	V47	Brick	24-Mar-15 12:13	26-Mar-15 16:05
SC04875-48	V48	Brick	24-Mar-15 12:16	26-Mar-15 16:05
SC04875-49	V49	Brick	24-Mar-15 13:21	26-Mar-15 16:05
SC04875-50	V50	Brick	24-Mar-15 13:27	26-Mar-15 16:05
SC04875-51	V51	Brick	24-Mar-15 13:33	26-Mar-15 16:05
SC04875-52	V52	Brick	24-Mar-15 13:36	26-Mar-15 16:05
SC04875-53	V53	Brick	24-Mar-15 13:47	26-Mar-15 16:05
SC04875-54	V54	Brick	24-Mar-15 13:45	26-Mar-15 16:05
SC04875-55	V55	Brick	24-Mar-15 14:16	26-Mar-15 16:05
SC04875-56	V56	Brick	24-Mar-15 14:12	26-Mar-15 16:05
SC04875-57	V57	Brick	24-Mar-15 14:20	26-Mar-15 16:05
SC04875-58	V58	Brick	24-Mar-15 14:23	26-Mar-15 16:05
SC04875-59	V59	Brick	24-Mar-15 14:30	26-Mar-15 16:05
SC04875-60	V60	Brick	24-Mar-15 14:34	26-Mar-15 16:05
SC04875-61	V61	Brick	24-Mar-15 14:45	26-Mar-15 16:05
SC04875-62	V62	Brick	24-Mar-15 14:49	26-Mar-15 16:05

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
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 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.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Kent Memorial Library - Suffield, CT

Project Number: 223120.0000.0000

Sampling Date(s):
3/23/2015 through 3/24/2015

Laboratory Sample ID(s):
SC04875-01 through SC04875-62

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: 4/6/2015

CASE NARRATIVE:

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

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:

1505466-DUP1 *Source: SC04875-21*

RPD out of acceptance range.

Aroclor-1254

Samples:

SC04875-01 *V1*

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:	Kent Memorial Library - Suffield, CT / 223120.0000.0000
Work Order:	SC04875
Sample(s) received on:	3/26/2015

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V1	223120.0000.0000	Brick	23-Mar-15 09:11	26-Mar-15
SC04875-01				

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	< 567	D	µg/kg dry	567	512	10	SW846 8082A	26-Mar-15	30-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 567	D	µg/kg dry	567	435	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 567	D	µg/kg dry	567	510	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 567	D	µg/kg dry	567	352	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 567	D	µg/kg dry	567	355	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	43,900	D	µg/kg dry	567	391	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 567	D	µg/kg dry	567	398	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 567	D	µg/kg dry	567	508	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 567	D	µg/kg dry	567	557	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	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V2	223120.0000.0000	Brick	23-Mar-15 09:19	26-Mar-15
SC04875-02				

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	< 56.8		µg/kg dry	56.8	51.2	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 56.8		µg/kg dry	56.8	43.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.8		µg/kg dry	56.8	51.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.8		µg/kg dry	56.8	35.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.8		µg/kg dry	56.8	35.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,230		µg/kg dry	56.8	39.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.8		µg/kg dry	56.8	39.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.8		µg/kg dry	56.8	50.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.8		µg/kg dry	56.8	55.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V3	223120.0000.0000	Brick	23-Mar-15 09:25	26-Mar-15
SC04875-03				

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	< 61.4		µg/kg dry	61.4	55.3	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 61.4		µg/kg dry	61.4	47.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.4		µg/kg dry	61.4	55.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.4		µg/kg dry	61.4	38.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.4		µg/kg dry	61.4	38.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,750		µg/kg dry	61.4	42.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.4		µg/kg dry	61.4	43.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.4		µg/kg dry	61.4	54.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.4		µg/kg dry	61.4	60.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V4	223120.0000.0000	Brick	23-Mar-15 09:28	26-Mar-15
SC04875-04				

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	< 63.1		µg/kg dry	63.1	56.9	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 63.1		µg/kg dry	63.1	48.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.1		µg/kg dry	63.1	56.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.1		µg/kg dry	63.1	39.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.1		µg/kg dry	63.1	39.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	6,380		µg/kg dry	63.1	43.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.1		µg/kg dry	63.1	44.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.1		µg/kg dry	63.1	56.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.1		µg/kg dry	63.1	62.0	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V5 SC04875-05	223120.0000.0000	Brick	23-Mar-15 09:35	26-Mar-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	< 61.0		µg/kg dry	61.0	55.1	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 61.0		µg/kg dry	61.0	46.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.0		µg/kg dry	61.0	54.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.0		µg/kg dry	61.0	37.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.0		µg/kg dry	61.0	38.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	6,510		µg/kg dry	61.0	42.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.0		µg/kg dry	61.0	42.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.0		µg/kg dry	61.0	54.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.0		µg/kg dry	61.0	60.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V6	223120.0000.0000	Brick	23-Mar-15 09:41	26-Mar-15
SC04875-06				

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	< 57.9		µg/kg dry	57.9	52.2	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 57.9		µg/kg dry	57.9	44.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.9		µg/kg dry	57.9	52.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.9		µg/kg dry	57.9	35.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.9		µg/kg dry	57.9	36.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,150		µg/kg dry	57.9	39.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.9		µg/kg dry	57.9	40.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.9		µg/kg dry	57.9	51.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.9		µg/kg dry	57.9	56.9	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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V7	223120.0000.0000	Brick	23-Mar-15 09:52	26-Mar-15
SC04875-07				

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	< 52.5		µg/kg dry	52.5	47.4	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 52.5		µg/kg dry	52.5	40.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 52.5		µg/kg dry	52.5	47.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 52.5		µg/kg dry	52.5	32.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 52.5		µg/kg dry	52.5	32.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,510		µg/kg dry	52.5	36.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 52.5		µg/kg dry	52.5	36.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 52.5		µg/kg dry	52.5	47.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 52.5		µg/kg dry	52.5	51.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V8	223120.0000.0000	Brick	23-Mar-15 09:55	26-Mar-15
SC04875-08				

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	< 64.2		µg/kg dry	64.2	57.9	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 64.2		µg/kg dry	64.2	49.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.2		µg/kg dry	64.2	57.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.2		µg/kg dry	64.2	39.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.2		µg/kg dry	64.2	40.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,920		µg/kg dry	64.2	44.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.2		µg/kg dry	64.2	45.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.2		µg/kg dry	64.2	57.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.2		µg/kg dry	64.2	63.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V9	223120.0000.0000	Brick	23-Mar-15 09:59	26-Mar-15
SC04875-09				

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	< 60.4		µg/kg dry	60.4	54.5	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 60.4		µg/kg dry	60.4	46.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.4		µg/kg dry	60.4	54.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.4		µg/kg dry	60.4	37.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.4		µg/kg dry	60.4	37.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,300		µg/kg dry	60.4	41.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.4		µg/kg dry	60.4	42.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.4		µg/kg dry	60.4	54.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.4		µg/kg dry	60.4	59.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V10	223120.0000.0000	Brick	23-Mar-15 10:04	26-Mar-15
SC04875-10				

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	< 65.6		µg/kg dry	65.6	59.2	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 65.6		µg/kg dry	65.6	50.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.6		µg/kg dry	65.6	58.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.6		µg/kg dry	65.6	40.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.6		µg/kg dry	65.6	41.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,470		µg/kg dry	65.6	45.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.6		µg/kg dry	65.6	46.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.6		µg/kg dry	65.6	58.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.6		µg/kg dry	65.6	64.4	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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V11	223120.0000.0000	Brick	23-Mar-15 10:07	26-Mar-15
SC04875-11				

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	< 61.2		µg/kg dry	61.2	55.2	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 61.2		µg/kg dry	61.2	46.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.2		µg/kg dry	61.2	55.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.2		µg/kg dry	61.2	38.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.2		µg/kg dry	61.2	38.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,710		µg/kg dry	61.2	42.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.2		µg/kg dry	61.2	42.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.2		µg/kg dry	61.2	54.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.2		µg/kg dry	61.2	60.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V12	223120.0000.0000	Brick	23-Mar-15 10:10	26-Mar-15
SC04875-12				

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	< 61.6		µg/kg dry	61.6	55.6	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 61.6		µg/kg dry	61.6	47.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.6		µg/kg dry	61.6	55.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.6		µg/kg dry	61.6	38.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.6		µg/kg dry	61.6	38.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,570		µg/kg dry	61.6	42.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.6		µg/kg dry	61.6	43.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.6		µg/kg dry	61.6	55.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.6		µg/kg dry	61.6	60.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V13	223120.0000.0000	Brick	23-Mar-15 10:13	26-Mar-15
SC04875-13				

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	54.2	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 60.1		µg/kg dry	60.1	46.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.1		µg/kg dry	60.1	54.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.1		µg/kg dry	60.1	37.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.1		µg/kg dry	60.1	37.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,640		µg/kg dry	60.1	41.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.1		µg/kg dry	60.1	42.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.1		µg/kg dry	60.1	53.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.1		µg/kg dry	60.1	59.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V14	223120.0000.0000	Brick	23-Mar-15 10:17	26-Mar-15
SC04875-14				

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	< 62.1		µg/kg dry	62.1	56.0	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 62.1		µg/kg dry	62.1	47.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.1		µg/kg dry	62.1	55.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.1		µg/kg dry	62.1	38.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.1		µg/kg dry	62.1	38.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,510		µg/kg dry	62.1	42.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.1		µg/kg dry	62.1	43.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.1		µg/kg dry	62.1	55.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.1		µg/kg dry	62.1	61.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505536	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V15	223120.0000.0000	Brick	23-Mar-15 10:21	26-Mar-15
SC04875-15				

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	< 58.0		µg/kg dry	58.0	52.3	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 58.0		µg/kg dry	58.0	44.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.0		µg/kg dry	58.0	52.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.0		µg/kg dry	58.0	36.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.0		µg/kg dry	58.0	36.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,490		µg/kg dry	58.0	39.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.0		µg/kg dry	58.0	40.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.0		µg/kg dry	58.0	51.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.0		µg/kg dry	58.0	57.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V16	223120.0000.0000	Brick	23-Mar-15 10:24	26-Mar-15
SC04875-16				

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	< 59.6		µg/kg dry	59.6	53.8	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 59.6		µg/kg dry	59.6	45.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.6		µg/kg dry	59.6	53.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.6		µg/kg dry	59.6	37.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.6		µg/kg dry	59.6	37.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	2,820		µg/kg dry	59.6	33.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.6		µg/kg dry	59.6	41.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.6		µg/kg dry	59.6	53.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.6		µg/kg dry	59.6	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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification		Client Project #	Matrix	Collection Date/Time	Received
V17		223120.0000.0000	Brick	23-Mar-15 10:27	26-Mar-15
SC04875-17					

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	< 56.1		µg/kg dry	56.1	50.6	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 56.1		µg/kg dry	56.1	43.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.1		µg/kg dry	56.1	50.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.1		µg/kg dry	56.1	34.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.1		µg/kg dry	56.1	35.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	3,830		µg/kg dry	56.1	31.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.1		µg/kg dry	56.1	39.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.1		µg/kg dry	56.1	50.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.1		µg/kg dry	56.1	55.1	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]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V18	223120.0000.0000	Brick	23-Mar-15 10:45	26-Mar-15
SC04875-18				

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	< 58.5		µg/kg dry	58.5	52.8	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 58.5		µg/kg dry	58.5	44.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.5		µg/kg dry	58.5	52.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.5		µg/kg dry	58.5	36.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.5		µg/kg dry	58.5	36.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	528		µg/kg dry	58.5	32.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.5		µg/kg dry	58.5	41.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.5		µg/kg dry	58.5	52.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.5		µg/kg dry	58.5	57.5	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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V19	223120.0000.0000	Brick	23-Mar-15 10:48	26-Mar-15
SC04875-19				

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	< 54.9		µg/kg dry	54.9	49.5	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 54.9		µg/kg dry	54.9	42.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.9		µg/kg dry	54.9	49.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.9		µg/kg dry	54.9	34.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.9		µg/kg dry	54.9	34.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	251		µg/kg dry	54.9	30.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.9		µg/kg dry	54.9	38.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.9		µg/kg dry	54.9	49.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.9		µg/kg dry	54.9	53.9	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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V20 SC04875-20	223120.0000.0000	Brick	23-Mar-15 10:51	26-Mar-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	< 52.7		µg/kg dry	52.7	47.5	1	SW846 8082A	26-Mar-15	28-Mar-15	TNS	1505464	X
11104-28-2	Aroclor-1221	< 52.7		µg/kg dry	52.7	40.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 52.7		µg/kg dry	52.7	47.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 52.7		µg/kg dry	52.7	32.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 52.7		µg/kg dry	52.7	33.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	469		µg/kg dry	52.7	29.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 52.7		µg/kg dry	52.7	36.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 52.7		µg/kg dry	52.7	47.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 52.7		µg/kg dry	52.7	51.8	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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V21	223120.0000.0000	Brick	23-Mar-15 13:00	26-Mar-15
SC04875-21				

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	< 64.5		µg/kg dry	64.5	58.1	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 64.5		µg/kg dry	64.5	49.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.5		µg/kg dry	64.5	57.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.5		µg/kg dry	64.5	40.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.5		µg/kg dry	64.5	40.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	95.4		µg/kg dry	64.5	36.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.5		µg/kg dry	64.5	45.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.5		µg/kg dry	64.5	57.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.5		µg/kg dry	64.5	63.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V22	223120.0000.0000	Brick	23-Mar-15 13:05	26-Mar-15
SC04875-22				

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	< 62.0		µg/kg dry	62.0	55.9	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 62.0		µg/kg dry	62.0	47.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.0		µg/kg dry	62.0	55.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.0		µg/kg dry	62.0	38.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.0		µg/kg dry	62.0	38.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.0		µg/kg dry	62.0	42.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.0		µg/kg dry	62.0	43.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.0		µg/kg dry	62.0	55.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.0		µg/kg dry	62.0	60.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V23	223120.0000.0000	Brick	23-Mar-15 13:09	26-Mar-15
SC04875-23				

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	< 62.4		µg/kg dry	62.4	56.3	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 62.4		µg/kg dry	62.4	47.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.4		µg/kg dry	62.4	56.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.4		µg/kg dry	62.4	38.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.4		µg/kg dry	62.4	39.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	< 62.4		µg/kg dry	62.4	35.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.4		µg/kg dry	62.4	43.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.4		µg/kg dry	62.4	55.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.4		µg/kg dry	62.4	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]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V24	223120.0000.0000	Brick	23-Mar-15 13:14	26-Mar-15
SC04875-24				

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	< 65.1		µg/kg dry	65.1	58.7	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 65.1		µg/kg dry	65.1	49.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.1		µg/kg dry	65.1	58.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.1		µg/kg dry	65.1	40.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.1		µg/kg dry	65.1	40.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	< 65.1		µg/kg dry	65.1	36.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.1		µg/kg dry	65.1	45.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.1		µg/kg dry	65.1	58.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.1		µg/kg dry	65.1	64.0	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V25	223120.0000.0000	Brick	23-Mar-15 13:23	26-Mar-15
SC04875-25				

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	< 54.1		µg/kg dry	54.1	48.8	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 54.1		µg/kg dry	54.1	41.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.1		µg/kg dry	54.1	48.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.1		µg/kg dry	54.1	33.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.1		µg/kg dry	54.1	33.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.1		µg/kg dry	54.1	37.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.1		µg/kg dry	54.1	37.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.1		µg/kg dry	54.1	48.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.1		µg/kg dry	54.1	53.2	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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V26	223120.0000.0000	Brick	23-Mar-15 13:27	26-Mar-15
SC04875-26				

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	< 65.0		µg/kg dry	65.0	58.6	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 65.0		µg/kg dry	65.0	49.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.0		µg/kg dry	65.0	58.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.0		µg/kg dry	65.0	40.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.0		µg/kg dry	65.0	40.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	76.0		µg/kg dry	65.0	36.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.0		µg/kg dry	65.0	45.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.0		µg/kg dry	65.0	58.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.0		µg/kg dry	65.0	63.8	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)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V27 SC04875-27	223120.0000.0000	Brick	24-Mar-15 09:03	26-Mar-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	< 64.5		µg/kg dry	64.5	58.1	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 64.5		µg/kg dry	64.5	49.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.5		µg/kg dry	64.5	57.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.5		µg/kg dry	64.5	40.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.5		µg/kg dry	64.5	40.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	153		µg/kg dry	64.5	36.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.5		µg/kg dry	64.5	45.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.5		µg/kg dry	64.5	57.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.5		µg/kg dry	64.5	63.3	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)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V28 SC04875-28	223120.0000.0000	Brick	24-Mar-15 09:08	26-Mar-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	< 64.5		µg/kg dry	64.5	58.2	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 64.5		µg/kg dry	64.5	49.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.5		µg/kg dry	64.5	57.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.5		µg/kg dry	64.5	40.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.5		µg/kg dry	64.5	40.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	448		µg/kg dry	64.5	36.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.5		µg/kg dry	64.5	45.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.5		µg/kg dry	64.5	57.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.5		µg/kg dry	64.5	63.4	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V29 SC04875-29	223120.0000.0000	Brick	24-Mar-15 09:17	26-Mar-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	< 58.8		µg/kg dry	58.8	53.0	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 58.8		µg/kg dry	58.8	45.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.8		µg/kg dry	58.8	52.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.8		µg/kg dry	58.8	36.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.8		µg/kg dry	58.8	36.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	336		µg/kg dry	58.8	33.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.8		µg/kg dry	58.8	41.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.8		µg/kg dry	58.8	52.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.8		µg/kg dry	58.8	57.8	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V30	223120.0000.0000	Brick	24-Mar-15 09:22	26-Mar-15
SC04875-30				

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	< 62.2		µg/kg dry	62.2	56.1	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 62.2		µg/kg dry	62.2	47.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.2		µg/kg dry	62.2	55.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.2		µg/kg dry	62.2	38.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.2		µg/kg dry	62.2	39.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	281		µg/kg dry	62.2	34.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.2		µg/kg dry	62.2	43.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.2		µg/kg dry	62.2	55.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.2		µg/kg dry	62.2	61.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V31 SC04875-31	223120.0000.0000	Brick	24-Mar-15 09:26	26-Mar-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	< 57.9		µg/kg dry	57.9	52.2	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 57.9		µg/kg dry	57.9	44.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.9		µg/kg dry	57.9	52.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.9		µg/kg dry	57.9	35.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.9		µg/kg dry	57.9	36.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	288		µg/kg dry	57.9	32.4	1	"	"	"	"	"	X
11098-82-5	Aroclor-1260	< 57.9		µg/kg dry	57.9	40.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.9		µg/kg dry	57.9	51.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.9		µg/kg dry	57.9	56.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V32 SC04875-32	223120.0000.0000	Brick	24-Mar-15 09:39	26-Mar-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	< 66.0		µg/kg dry	66.0	59.5	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 66.0		µg/kg dry	66.0	50.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.0		µg/kg dry	66.0	59.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.0		µg/kg dry	66.0	41.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.0		µg/kg dry	66.0	41.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	261		µg/kg dry	66.0	37.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.0		µg/kg dry	66.0	46.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.0		µg/kg dry	66.0	59.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.0		µg/kg dry	66.0	64.9	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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V33 SC04875-33	223120.0000.0000	Brick	24-Mar-15 09:43	26-Mar-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	< 64.1		µg/kg dry	64.1	57.8	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 64.1		µg/kg dry	64.1	49.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.1		µg/kg dry	64.1	57.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.1		µg/kg dry	64.1	39.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.1		µg/kg dry	64.1	40.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	123		µg/kg dry	64.1	35.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.1		µg/kg dry	64.1	44.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.1		µg/kg dry	64.1	57.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.1		µg/kg dry	64.1	63.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V34 SC04875-34	223120.0000.0000	Brick	24-Mar-15 10:34	26-Mar-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	< 60.6		µg/kg dry	60.6	54.6	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 60.6		µg/kg dry	60.6	46.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.6		µg/kg dry	60.6	54.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.6		µg/kg dry	60.6	37.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.6		µg/kg dry	60.6	37.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	**200**		µg/kg dry	60.6	33.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.6		µg/kg dry	60.6	42.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.6		µg/kg dry	60.6	54.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.6		µg/kg dry	60.6	59.5	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphanyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.8**		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505537	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V35 SC04875-35	223120.0000.0000	Brick	24-Mar-15 10:38	26-Mar-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	< 66.2		µg/kg dry	66.2	59.8	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 66.2		µg/kg dry	66.2	50.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.2		µg/kg dry	66.2	59.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.2		µg/kg dry	66.2	41.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.2		µg/kg dry	66.2	41.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	364		µg/kg dry	66.2	37.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.2		µg/kg dry	66.2	46.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.2		µg/kg dry	66.2	59.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.2		µg/kg dry	66.2	65.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V36 SC04875-36	223120.0000.0000	Brick	24-Mar-15 10:43	26-Mar-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	< 65.6		µg/kg dry	65.6	59.1	1	SW846 8082A	26-Mar-15	27-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 65.6		µg/kg dry	65.6	50.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.6		µg/kg dry	65.6	58.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.6		µg/kg dry	65.6	40.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1246	< 65.6		µg/kg dry	65.6	41.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	429		µg/kg dry	65.6	45.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.6		µg/kg dry	65.6	46.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.6		µg/kg dry	65.6	58.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.6		µg/kg dry	65.6	64.4	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]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V37 SC04875-37	223120.0000.0000	Brick	24-Mar-15 10:58	26-Mar-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	< 60.4		µg/kg dry	60.4	54.5	1	SW846 8082A	26-Mar-15	28-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 60.4		µg/kg dry	60.4	46.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.4		µg/kg dry	60.4	54.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.4		µg/kg dry	60.4	37.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.4		µg/kg dry	60.4	37.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	491		µg/kg dry	60.4	33.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.4		µg/kg dry	60.4	42.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.4		µg/kg dry	60.4	54.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.4		µg/kg dry	60.4	59.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octefluorobiphenyl (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	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V38 SC04875-38	223120.0000.0000	Brick	24-Mar-15 10:42	26-Mar-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	< 54.2		µg/kg dry	54.2	48.9	1	SW846 8082A	26-Mar-15	28-Mar-15	IMR	1505486	X
11104-28-2	Aroclor-1221	< 54.2		µg/kg dry	54.2	41.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.2		µg/kg dry	54.2	48.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.2		µg/kg dry	54.2	33.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.2		µg/kg dry	54.2	33.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	592		µg/kg dry	54.2	37.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.2		µg/kg dry	54.2	38.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.2		µg/kg dry	54.2	48.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.2		µg/kg dry	54.2	53.2	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V39 SC04875-39	223120.0000.0000	Brick	24-Mar-15 11:35	26-Mar-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	< 59.7		µg/kg dry	59.7	53.9	1	SW846 8082A	26-Mar-15	28-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 59.7		µg/kg dry	59.7	45.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.7		µg/kg dry	59.7	53.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.7		µg/kg dry	59.7	37.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.7		µg/kg dry	59.7	37.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	560		µg/kg dry	59.7	33.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.7		µg/kg dry	59.7	41.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.7		µg/kg dry	59.7	53.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.7		µg/kg dry	59.7	58.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V40 SC04875-40	223120.0000.0000	Brick	24-Mar-15 11:40	26-Mar-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	< 62.1		µg/kg dry	62.1	56.1	1	SW846 8082A	26-Mar-15	28-Mar-15	IMR	1505466	X
11104-28-2	Aroclor-1221	< 62.1		µg/kg dry	62.1	47.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.1		µg/kg dry	62.1	55.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.1		µg/kg dry	62.1	38.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.1		µg/kg dry	62.1	38.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	580		µg/kg dry	62.1	34.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.1		µg/kg dry	62.1	43.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.1		µg/kg dry	62.1	55.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.1		µg/kg dry	62.1	61.1	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V41 SC04875-41	223120.0000.0000	Brick	24-Mar-15 11:47	26-Mar-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	< 60.1		µg/kg dry	60.1	54.2	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 60.1		µg/kg dry	60.1	46.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.1		µg/kg dry	60.1	54.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.1		µg/kg dry	60.1	37.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.1		µg/kg dry	60.1	37.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	415		µg/kg dry	60.1	33.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.1		µg/kg dry	60.1	42.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.1		µg/kg dry	60.1	53.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.1		µg/kg dry	60.1	59.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V42 SC04875-42	223120.0000.0000	Brick	24-Mar-15 11:50	26-Mar-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	< 60.9		µg/kg dry	60.9	54.9	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 60.9		µg/kg dry	60.9	46.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.9		µg/kg dry	60.9	54.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.9		µg/kg dry	60.9	37.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.9		µg/kg dry	60.9	38.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	180		µg/kg dry	60.9	34.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.9		µg/kg dry	60.9	42.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.9		µg/kg dry	60.9	54.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.9		µg/kg dry	60.9	59.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V43 SC04875-43	223120.0000.0000	Brick	24-Mar-15 11:58	26-Mar-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	< 55.9		µg/kg dry	55.9	50.4	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 55.9		µg/kg dry	55.9	42.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.9		µg/kg dry	55.9	50.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.9		µg/kg dry	55.9	34.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.9		µg/kg dry	55.9	35.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	221		µg/kg dry	55.9	31.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.9		µg/kg dry	55.9	39.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.9		µg/kg dry	55.9	50.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.9		µg/kg dry	55.9	54.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V44 SC04875-44	223120.0000.0000	Brick	24-Mar-15 12:02	26-Mar-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	< 61.5		µg/kg dry	61.5	55.5	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 61.5		µg/kg dry	61.5	47.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.5		µg/kg dry	61.5	55.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.5		µg/kg dry	61.5	38.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.5		µg/kg dry	61.5	38.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	592		µg/kg dry	61.5	34.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.5		µg/kg dry	61.5	43.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.5		µg/kg dry	61.5	55.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.5		µg/kg dry	61.5	60.4	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)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V45 SC04875-45	223120.0000.0000	Brick	24-Mar-15 12:08	26-Mar-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	< 66.4		µg/kg dry	66.4	59.9	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 66.4		µg/kg dry	66.4	50.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.4		µg/kg dry	66.4	59.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.4		µg/kg dry	66.4	41.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.4		µg/kg dry	66.4	41.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	672		µg/kg dry	66.4	37.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.4		µg/kg dry	66.4	46.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.4		µg/kg dry	66.4	59.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.4		µg/kg dry	66.4	65.3	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V46 SC04875-46	223120.0000.0000	Brick	24-Mar-15 12:11	26-Mar-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	< 56.0		µg/kg dry	56.0	50.5	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 56.0		µg/kg dry	56.0	42.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.0		µg/kg dry	56.0	50.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.0		µg/kg dry	56.0	34.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.0		µg/kg dry	56.0	35.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	238		µg/kg dry	56.0	31.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.0		µg/kg dry	56.0	39.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.0		µg/kg dry	56.0	50.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.0		µg/kg dry	56.0	55.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V47 SC04875-47	223120.0000.0000	Brick	24-Mar-15 12:13	26-Mar-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	< 60.2		µg/kg dry	60.2	54.3	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 60.2		µg/kg dry	60.2	46.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.2		µg/kg dry	60.2	54.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.2		µg/kg dry	60.2	37.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.2		µg/kg dry	60.2	37.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	398		µg/kg dry	60.2	33.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.2		µg/kg dry	60.2	42.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.2		µg/kg dry	60.2	53.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.2		µg/kg dry	60.2	59.1	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]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V48 SC04875-48	223120.0000.0000	Brick	24-Mar-15 12:16	26-Mar-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	< 56.1		µg/kg dry	56.1	50.6	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 56.1		µg/kg dry	56.1	42.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.1		µg/kg dry	56.1	50.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.1		µg/kg dry	56.1	34.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.1		µg/kg dry	56.1	35.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	263		µg/kg dry	56.1	31.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.1		µg/kg dry	56.1	39.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.1		µg/kg dry	56.1	50.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.1		µg/kg dry	56.1	55.1	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V49 SC04875-49	223120.0000.0000	Brick	24-Mar-15 13:21	26-Mar-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	< 57.3		µg/kg dry	57.3	51.7	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 57.3		µg/kg dry	57.3	43.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.3		µg/kg dry	57.3	51.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.3		µg/kg dry	57.3	35.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.3		µg/kg dry	57.3	35.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.3		µg/kg dry	57.3	39.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.3		µg/kg dry	57.3	40.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.3		µg/kg dry	57.3	51.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.3		µg/kg dry	57.3	56.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.6**		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V50 SC04875-50	223120.0000.0000	Brick	24-Mar-15 13:27	26-Mar-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	< 58.1		µg/kg dry	58.1	52.4	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 58.1		µg/kg dry	58.1	44.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.1		µg/kg dry	58.1	52.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.1		µg/kg dry	58.1	36.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.1		µg/kg dry	58.1	36.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	< 58.1		µg/kg dry	58.1	32.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.1		µg/kg dry	58.1	40.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.1		µg/kg dry	58.1	52.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.1		µg/kg dry	58.1	57.1	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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V51 SC04875-51	223120.0000.0000	Brick	24-Mar-15 13:33	26-Mar-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	< 62.2		µg/kg dry	62.2	56.1	1	SW846 6062A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 62.2		µg/kg dry	62.2	47.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.2		µg/kg dry	62.2	55.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.2		µg/kg dry	62.2	38.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.2		µg/kg dry	62.2	39.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	< 62.2		µg/kg dry	62.2	34.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.2		µg/kg dry	62.2	43.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.2		µg/kg dry	62.2	55.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.2		µg/kg dry	62.2	61.1	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V52 SC04875-52	223120.0000.0000	Brick	24-Mar-15 13:36	26-Mar-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	< 62.9		µg/kg dry	62.9	56.8	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 62.9		µg/kg dry	62.9	48.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.9		µg/kg dry	62.9	56.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.9		µg/kg dry	62.9	39.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.9		µg/kg dry	62.9	39.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.9		µg/kg dry	62.9	43.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.9		µg/kg dry	62.9	44.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.9		µg/kg dry	62.9	56.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.9		µg/kg dry	62.9	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]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V53 SC04875-53	223120.0000.0000	Brick	24-Mar-15 13:47	26-Mar-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	< 64.1		µg/kg dry	64.1	57.6	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 64.1		µg/kg dry	64.1	49.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.1		µg/kg dry	64.1	57.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.1		µg/kg dry	64.1	39.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.1		µg/kg dry	64.1	40.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	101		µg/kg dry	64.1	35.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.1		µg/kg dry	64.1	44.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.1		µg/kg dry	64.1	57.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1266	< 64.1		µg/kg dry	64.1	63.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V54 SC04875-54	223120.0000.0000	Brick	24-Mar-15 13:45	26-Mar-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	< 57.3		µg/kg dry	57.3	51.7	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 57.3		µg/kg dry	57.3	43.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.3		µg/kg dry	57.3	51.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.3		µg/kg dry	57.3	35.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.3		µg/kg dry	57.3	35.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	241		µg/kg dry	57.3	32.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.3		µg/kg dry	57.3	40.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.3		µg/kg dry	57.3	51.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.3		µg/kg dry	57.3	56.3	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]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505538	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V55 SC04875-55	223120.0000.0000	Brick	24-Mar-15 14:16	26-Mar-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	< 56.7		µg/kg dry	56.7	51.1	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 56.7		µg/kg dry	56.7	43.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.7		µg/kg dry	56.7	50.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.7		µg/kg dry	56.7	35.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.7		µg/kg dry	56.7	35.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	94.1		µg/kg dry	56.7	31.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.7		µg/kg dry	56.7	39.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.7		µg/kg dry	56.7	50.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.7		µg/kg dry	56.7	55.7	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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505539	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V56 SC04875-56	223120.0000.0000	Brick	24-Mar-15 14:12	26-Mar-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	< 65.7		µg/kg dry	65.7	59.2	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 65.7		µg/kg dry	65.7	50.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.7		µg/kg dry	65.7	59.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.7		µg/kg dry	65.7	40.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.7		µg/kg dry	65.7	41.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	107		µg/kg dry	65.7	36.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.7		µg/kg dry	65.7	46.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.7		µg/kg dry	65.7	58.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.7		µg/kg dry	65.7	64.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decechlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505539	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V57 SC04875-57	223120.0000.0000	Brick	24-Mar-15 14:20	26-Mar-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	< 58.6		µg/kg dry	58.6	52.9	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 58.6		µg/kg dry	58.6	44.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.6		µg/kg dry	58.6	52.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.6		µg/kg dry	58.6	36.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.6		µg/kg dry	58.6	36.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	62.2		µg/kg dry	58.6	32.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.6		µg/kg dry	58.6	41.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.6		µg/kg dry	58.6	52.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.6		µg/kg dry	58.6	57.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505539	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V58	223120.0000.0000	Brick	24-Mar-15 14:23	26-Mar-15
SC04875-58				

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	< 59.4		µg/kg dry	59.4	53.6	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 59.4		µg/kg dry	59.4	45.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.4		µg/kg dry	59.4	53.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.4		µg/kg dry	59.4	36.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.4		µg/kg dry	59.4	37.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	71.2		µg/kg dry	59.4	33.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.4		µg/kg dry	59.4	41.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.4		µg/kg dry	59.4	53.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.4		µg/kg dry	59.4	58.3	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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505539	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V59 SC04875-59	223120.0000.0000	Brick	24-Mar-15 14:30	26-Mar-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	< 59.7		µg/kg dry	59.7	53.9	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 59.7		µg/kg dry	59.7	45.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.7		µg/kg dry	59.7	53.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.7		µg/kg dry	59.7	37.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.7		µg/kg dry	59.7	37.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	146		µg/kg dry	59.7	33.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.7		µg/kg dry	59.7	41.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.7		µg/kg dry	59.7	53.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.7		µg/kg dry	59.7	58.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505539	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V60 SC04875-60	223120.0000.0000	Brick	24-Mar-15 14:34	26-Mar-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	52.8	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505721	X
11104-28-2	Aroclor-1221	< 58.5		µg/kg dry	58.5	44.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.5		µg/kg dry	58.5	52.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.5		µg/kg dry	58.5	38.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.5		µg/kg dry	58.5	36.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	102		µg/kg dry	58.5	32.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.5		µg/kg dry	58.5	41.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.5		µg/kg dry	58.5	52.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.5		µg/kg dry	58.5	57.5	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]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505539	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V61 SC04875-61	223120.0000.0000	Brick	24-Mar-15 14:45	26-Mar-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	< 64.2		µg/kg dry	64.2	57.9	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505722	X
11104-28-2	Aroclor-1221	< 64.2		µg/kg dry	64.2	49.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.2		µg/kg dry	64.2	57.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.2		µg/kg dry	64.2	39.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.2		µg/kg dry	64.2	40.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	< 64.2		µg/kg dry	64.2	36.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.2		µg/kg dry	64.2	45.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.2		µg/kg dry	64.2	57.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.2		µg/kg dry	64.2	63.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.4**		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505539	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V62 SC04875-62	223120.0000.0000	Brick	24-Mar-15 14:49	26-Mar-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	< 62.6		µg/kg dry	62.6	56.5	1	SW846 8082A	31-Mar-15	01-Apr-15	TNS	1505722	X
11104-28-2	Aroclor-1221	< 62.6		µg/kg dry	62.6	46.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.6		µg/kg dry	62.6	56.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.6		µg/kg dry	62.6	38.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.6		µg/kg dry	62.6	39.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	74.5		µg/kg dry	62.6	35.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.6		µg/kg dry	62.6	43.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.6		µg/kg dry	62.6	56.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.6		µg/kg dry	62.6	61.5	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	27-Mar-15	27-Mar-15	DT	1505539	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1505464 - SW846 3540C										
Blank (1505464-BLK1)					Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Aroclor-1016	< 19.7		µg/kg wet	19.7						
Aroclor-1016 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1221	< 19.7		µg/kg wet	19.7						
Aroclor-1221 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1232	< 19.7		µg/kg wet	19.7						
Aroclor-1232 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1242	< 19.7		µg/kg wet	19.7						
Aroclor-1242 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1248	< 19.7		µg/kg wet	19.7						
Aroclor-1248 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1254	< 19.7		µg/kg wet	19.7						
Aroclor-1254 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1260	< 19.7		µg/kg wet	19.7						
Aroclor-1260 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1262	< 19.7		µg/kg wet	19.7						
Aroclor-1262 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1268	< 19.7		µg/kg wet	19.7						
Aroclor-1268 [2C]	< 19.7		µg/kg wet	19.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*19.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.7*		µg/kg wet		*19.7*		*90*	*30-150*		
Surrogate: Decachlorobiphanyl (Sr)	*13.8*		µg/kg wet		*19.7*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.7*		µg/kg wet		*19.7*		*100*	*30-150*		
LCS (1505464-BS1)					Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Aroclor-1016	**210**		µg/kg wet	19.6	245		86	40-140		
Aroclor-1016 [2C]	**268**		µg/kg wet	19.6	245		109	40-140		
Aroclor-1260	**216**		µg/kg wet	19.6	245		88	40-140		
Aroclor-1260 [2C]	**265**		µg/kg wet	19.6	245		108	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*19.6*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.6*		µg/kg wet		*19.6*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.7*		µg/kg wet		*19.6*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.5*		µg/kg wet		*19.6*		*120*	*30-150*		
LCS Dup (1505464-BSD1)					Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Aroclor-1016	**231**		µg/kg wet	19.9	249		93	40-140	8	30
Aroclor-1016 [2C]	**281**		µg/kg wet	19.9	249		113	40-140	3	30
Aroclor-1260	**223**		µg/kg wet	19.9	249		90	40-140	2	30
Aroclor-1260 [2C]	**253**		µg/kg wet	19.9	249		102	40-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.9*		µg/kg wet		*19.9*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.9*		µg/kg wet		*19.9*		*105*	*30-150*		
Surrogate: Decachlorobiphanyl (Sr)	*16.9*		µg/kg wet		*19.9*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.9*		µg/kg wet		*19.9*		*120*	*30-150*		
Duplicate (1505464-DUP1)			**Source: SC04875-13**		Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
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

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1505464 - SW846 3540C										
Duplicate (1505464-DUP1)			**Source: SC04875-13**		Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
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	**3000**		µg/kg dry	62.3		2640			13	30
Aroclor-1254 [2C]	**2870**		µg/kg dry	62.3		2590			10	30
Aroclor-1260	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1260 [2C]	< 62.3		µg/kg dry	62.3		BRL				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
Aroclor-1268 [2C]	< 62.3		µg/kg dry	62.3		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*62.3*		µg/kg dry		*62.3*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*62.3*		µg/kg dry		*62.3*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*52.9*		µg/kg dry		*62.3*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*71.6*		µg/kg dry		*62.3*		*115*	*30-150*		
Matrix Spike (1505464-MS1)			**Source: SC04875-13**		Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Aroclor-1016	**679**		µg/kg dry	54.1	676	BRL	100	40-140		
Aroclor-1016 [2C]	**744**		µg/kg dry	54.1	676	BRL	110	40-140		
Aroclor-1260	**684**		µg/kg dry	54.1	676	BRL	101	40-140		
Aroclor-1260 [2C]	**757**		µg/kg dry	54.1	676	BRL	112	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.8*		µg/kg dry		*54.1*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*59.5*		µg/kg dry		*54.1*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*51.4*		µg/kg dry		*54.1*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*73.0*		µg/kg dry		*54.1*		*135*	*30-150*		
Matrix Spike Dup (1505464-MSD1)			**Source: SC04875-13**		Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Aroclor-1016	**819**		µg/kg dry	61.8	773	BRL	106	40-140	5	30
Aroclor-1016 [2C]	**884**		µg/kg dry	61.8	773	BRL	114	40-140	4	30
Aroclor-1260	**792**		µg/kg dry	61.8	773	BRL	102	40-140	1	30
Aroclor-1260 [2C]	**878**		µg/kg dry	61.8	773	BRL	114	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*68.0*		µg/kg dry		*61.8*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*68.0*		µg/kg dry		*61.8*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*58.7*		µg/kg dry		*61.8*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*83.5*		µg/kg dry		*61.8*		*135*	*30-150*		
Batch 1505466 - SW846 3540C										
Blank (1505466-BLK1)					Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Aroclor-1016	< 19.7		µg/kg wet	19.7						
Aroclor-1016 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1221	< 19.7		µg/kg wet	19.7						
Aroclor-1221 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1232	< 19.7		µg/kg wet	19.7						
Aroclor-1232 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1242	< 19.7		µg/kg wet	19.7						
Aroclor-1242 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1248	< 19.7		µg/kg wet	19.7						
Aroclor-1248 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1254	< 19.7		µg/kg wet	19.7						
Aroclor-1254 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1260	< 19.7		µg/kg wet	19.7						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1505466 - SW846 3540C										
Blank (1505466-BLK1)					Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Aroclor-1260 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1262	< 19.7		µg/kg wet	19.7						
Aroclor-1262 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1268	< 19.7		µg/kg wet	19.7						
Aroclor-1268 [2C]	< 19.7		µg/kg wet	19.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*19.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.7*		µg/kg wet		*19.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.8*		µg/kg wet		*19.7*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.8*		µg/kg wet		*19.7*		*65*	*30-150*		
LCS (1505466-BS1)					Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Aroclor-1016	**261**		µg/kg wet	19.6	245		106	40-140		
Aroclor-1016 [2C]	**251**		µg/kg wet	19.6	245		102	40-140		
Aroclor-1260	**221**		µg/kg wet	19.6	245		90	40-140		
Aroclor-1260 [2C]	**192**		µg/kg wet	19.6	245		78	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.6*		µg/kg wet		*19.6*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.6*		µg/kg wet		*19.6*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.7*		µg/kg wet		*19.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.7*		µg/kg wet		*19.6*		*80*	*30-150*		
LCS Dup (1505466-BSD1)					Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Aroclor-1016	**254**		µg/kg wet	19.2	240		106	40-140	0.8	30
Aroclor-1016 [2C]	**247**		µg/kg wet	19.2	240		103	40-140	0.4	30
Aroclor-1260	**215**		µg/kg wet	19.2	240		90	40-140	0.4	30
Aroclor-1260 [2C]	**187**		µg/kg wet	19.2	240		78	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.2*		µg/kg wet		*19.2*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.2*		µg/kg wet		*19.2*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.3*		µg/kg wet		*19.2*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.4*		µg/kg wet		*19.2*		*80*	*30-150*		
Duplicate (1505466-DUP1)			**Source: SC04875-21**		Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
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
Aroclor-1248 [2C]	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1254	**63.6**	QR5	µg/kg dry	63.6		88.3			33	30
Aroclor-1254 [2C]	**82.7**		µg/kg dry	63.6		95.4			14	30
Aroclor-1260	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1260 [2C]	< 63.6		µg/kg dry	63.6		BRL				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)	*60.4*		µg/kg dry		*63.6*		*95*	*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 1505466 - SW846 3540C										
Duplicate (1505466-DUP1)			**Source: SC04875-21**		Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.8*		µg/kg dry		*63.6*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*54.1*		µg/kg dry		*63.6*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*50.9*		µg/kg dry		*63.6*		*80*	*30-150*		
Matrix Spike (1505466-MS1)			**Source: SC04875-21**		Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Aroclor-1016	**872**		µg/kg dry	63.4	793	BRL	110	40-140		
Aroclor-1016 [2C]	**847**		µg/kg dry	63.4	793	BRL	107	40-140		
Aroclor-1260	**761**		µg/kg dry	63.4	793	BRL	96	40-140		
Aroclor-1260 [2C]	**691**		µg/kg dry	63.4	793	BRL	87	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*69.8*		µg/kg dry		*63.4*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*69.8*		µg/kg dry		*63.4*		*110*	*30-150*		
Surrogate: Decechlorobiphenyl (Sr)	*60.3*		µg/kg dry		*63.4*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*60.3*		µg/kg dry		*63.4*		*95*	*30-150*		
Matrix Spike Dup (1505466-MSD1)			**Source: SC04875-21**		Prepared: 26-Mar-15 Analyzed: 27-Mar-15					
Aroclor-1016	**739**		µg/kg dry	55.6	695	BRL	106	40-140	3	30
Aroclor-1016 [2C]	**717**		µg/kg dry	55.6	695	BRL	103	40-140	3	30
Aroclor-1260	**650**		µg/kg dry	55.6	695	BRL	94	40-140	3	30
Aroclor-1260 [2C]	**570**		µg/kg dry	55.6	695	BRL	82	40-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*61.2*		µg/kg dry		*55.6*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*58.4*		µg/kg dry		*55.6*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*52.8*		µg/kg dry		*55.6*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*47.3*		µg/kg dry		*55.6*		*85*	*30-150*		
Batch 1505721 - SW846 3540C										
Blank (1505721-BLK1)					Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	< 19.7		µg/kg wet	19.7						
Aroclor-1016 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1221	< 19.7		µg/kg wet	19.7						
Aroclor-1221 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1232	< 19.7		µg/kg wet	19.7						
Aroclor-1232 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1242	< 19.7		µg/kg wet	19.7						
Aroclor-1242 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1248	< 19.7		µg/kg wet	19.7						
Aroclor-1248 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1254	< 19.7		µg/kg wet	19.7						
Aroclor-1254 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1260	< 19.7		µg/kg wet	19.7						
Aroclor-1260 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1262	< 19.7		µg/kg wet	19.7						
Aroclor-1262 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1268	< 19.7		µg/kg wet	19.7						
Aroclor-1268 [2C]	< 19.7		µg/kg wet	19.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*19.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.7*		µg/kg wet		*19.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.8*		µg/kg wet		*19.7*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.6*		µg/kg wet		*19.7*		*130*	*30-150*		
LCS (1505721-BS1)					Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	**208**		µg/kg wet	19.5	244		85	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 1505721 - SW846 3540C										
LCS (1505721-BS1)					Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016 [2C]	**263**		µg/kg wet	19.5	244		108	40-140		
Aroclor-1260	**192**		µg/kg wet	19.5	244		79	40-140		
Aroclor-1260 [2C]	**266**		µg/kg wet	19.5	244		109	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg wet		*19.5*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.5*		µg/kg wet		*19.5*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.6*		µg/kg wet		*19.5*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.4*		µg/kg wet		*19.5*		*130*	*30-150*		
LCS Dup (1505721-BSD1)					Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	**219**		µg/kg wet	19.7	247		89	40-140	4	30
Aroclor-1016 [2C]	**272**		µg/kg wet	19.7	247		110	40-140	2	30
Aroclor-1260	**194**		µg/kg wet	19.7	247		79	40-140	0.00001	30
Aroclor-1260 [2C]	**264**		µg/kg wet	19.7	247		107	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.7*		µg/kg wet		*19.7*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.7*		µg/kg wet		*19.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.8*		µg/kg wet		*19.7*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.7*		µg/kg wet		*19.7*		*125*	*30-150*		
Duplicate (1505721-DUP1)			**Source: SC04875-42**		Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1016 [2C]	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1221	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1221 [2C]	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1232	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1232 [2C]	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1242	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1242 [2C]	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1248	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1248 [2C]	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1254	**156**		µg/kg dry	61.3		147			6	30
Aroclor-1254 [2C]	**190**		µg/kg dry	61.3		180			6	30
Aroclor-1260	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1260 [2C]	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1262	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1262 [2C]	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1268	< 61.3		µg/kg dry	61.3		BRL				30
Aroclor-1268 [2C]	< 61.3		µg/kg dry	61.3		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*58.3*		µg/kg dry		*61.3*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*61.3*		µg/kg dry		*61.3*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*52.1*		µg/kg dry		*61.3*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*92.0*		µg/kg dry		*61.3*		*150*	*30-150*		
Matrix Spike (1505721-MS1)			**Source: SC04875-42**		Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	**742**		µg/kg dry	62.4	780	BRL	95	40-140		
Aroclor-1016 [2C]	**833**		µg/kg dry	62.4	780	BRL	107	40-140		
Aroclor-1260	**705**		µg/kg dry	62.4	780	BRL	90	40-140		
Aroclor-1260 [2C]	**892**		µg/kg dry	62.4	780	BRL	114	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*65.5*		µg/kg dry		*62.4*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*65.5*		µg/kg dry		*62.4*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*59.3*		µg/kg dry		*62.4*		*95*	*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 1505721 - SW846 3540C										
Matrix Spike (1505721-MS1)			Source: SC04875-42		Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Surrogate: Decachlorobiphenyl (Sr) [2C]	*93.6*		µg/kg dry		*62.4*		*150*	*30-150*		
Matrix Spike Dup (1505721-MSD1)			Source: SC04875-42		Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	**814**		µg/kg dry	61.7	771	BRL	106	40-140	10	30
Aroclor-1016 [2C]	**836**		µg/kg dry	61.7	771	BRL	108	40-140	1	30
Aroclor-1260	**737**		µg/kg dry	61.7	771	BRL	96	40-140	6	30
Aroclor-1260 [2C]	**891**		µg/kg dry	61.7	771	BRL	116	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*67.9*		µg/kg dry		*61.7*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*67.9*		µg/kg dry		*61.7*		*110*	*30-150*		
Surrogate: Dacachlorobiphenyl (Sr)	*61.7*		µg/kg dry		*61.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*92.5*		µg/kg dry		*61.7*		*150*	*30-150*		
Batch 1505722 - SW846 3540C										
Blank (1505722-BLK1)					Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	< 19.6		µg/kg wet	19.6						
Aroclor-1016 [2C]	< 19.6		µg/kg wet	19.6						
Aroclor-1221	< 19.6		µg/kg wet	19.6						
Aroclor-1221 [2C]	< 19.6		µg/kg wet	19.6						
Aroclor-1232	< 19.6		µg/kg wet	19.6						
Aroclor-1232 [2C]	< 19.6		µg/kg wet	19.6						
Aroclor-1242	< 19.6		µg/kg wet	19.6						
Aroclor-1242 [2C]	< 19.6		µg/kg wet	19.6						
Aroclor-1248	< 19.6		µg/kg wet	19.6						
Aroclor-1248 [2C]	< 19.6		µg/kg wet	19.6						
Aroclor-1254	< 19.6		µg/kg wet	19.6						
Aroclor-1254 [2C]	< 19.6		µg/kg wet	19.6						
Aroclor-1260	< 19.6		µg/kg wet	19.6						
Aroclor-1260 [2C]	< 19.6		µg/kg wet	19.6						
Aroclor-1262	< 19.6		µg/kg wet	19.6						
Aroclor-1262 [2C]	< 19.6		µg/kg wet	19.6						
Aroclor-1268	< 19.6		µg/kg wet	19.6						
Aroclor-1268 [2C]	< 19.6		µg/kg wet	19.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*19.6*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.7*		µg/kg wet		*19.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.7*		µg/kg wet		*19.6*		*80*	*30-150*		
Surrogate: Decechlorobiphenyl (Sr) [2C]	*25.5*		µg/kg wet		*19.6*		*130*	*30-150*		
LCS (1505722-BS1)					Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	**216**		µg/kg wet	19.5	244		89	40-140		
Aroclor-1016 [2C]	**263**		µg/kg wet	19.5	244		108	40-140		
Aroclor-1260	**203**		µg/kg wet	19.5	244		83	40-140		
Aroclor-1260 [2C]	**272**		µg/kg wet	19.5	244		112	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg wet		*19.5*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.5*		µg/kg wet		*19.5*		*100*	*30-150*		
Surrogate: Decechlorobiphenyl (Sr)	*14.6*		µg/kg wet		*19.5*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.3*		µg/kg wet		*19.5*		*130*	*30-150*		
LCS Dup (1505722-BSD1)					Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	**220**		µg/kg wet	19.7	246		90	40-140	0.9	30
Aroclor-1016 [2C]	**266**		µg/kg wet	19.7	246		108	40-140	0	30
Aroclor-1260	**214**		µg/kg wet	19.7	246		87	40-140	4	30
Aroclor-1260 [2C]	**274**		µg/kg wet	19.7	246		111	40-140	0.4	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1505722 - SW846 3540C										
LCS Dup (1505722-BSD1)					Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.7*		µg/kg wet		*19.7*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.7*		µg/kg wet		*19.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.7*		µg/kg wet		*19.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.6*		µg/kg wet		*19.7*		*130*	*30-150*		
Duplicate (1505722-DUP1)			**Source: SC04875-61**		Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1016 [2C]	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1221	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1221 [2C]	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1232	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1232 [2C]	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1242	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1242 [2C]	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1248	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1248 [2C]	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1254	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1254 [2C]	**42.7**	J	µg/kg dry	65.7		BRL				30
Aroclor-1260	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1260 [2C]	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1262	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1262 [2C]	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1268	< 65.7		µg/kg dry	65.7		BRL				30
Aroclor-1268 [2C]	< 65.7		µg/kg dry	65.7		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*68.9*		µg/kg dry		*65.7*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*68.9*		µg/kg dry		*65.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*62.4*		µg/kg dry		*65.7*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*98.5*		µg/kg dry		*65.7*		*150*	*30-150*		
Matrix Spike (1505722-MS1)			**Source: SC04875-61**		Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	**763**		µg/kg dry	63.8	798	BRL	96	40-140		
Aroclor-1016 [2C]	**814**		µg/kg dry	63.8	798	BRL	102	40-140		
Aroclor-1260	**690**		µg/kg dry	63.8	798	BRL	86	40-140		
Aroclor-1260 [2C]	**862**		µg/kg dry	63.8	798	BRL	108	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*67.0*		µg/kg dry		*63.8*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*70.2*		µg/kg dry		*63.8*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*63.8*		µg/kg dry		*63.8*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*95.8*		µg/kg dry		*63.8*		*150*	*30-150*		
Matrix Spike Dup (1505722-MSD1)			**Source: SC04875-61**		Prepared: 31-Mar-15 Analyzed: 01-Apr-15					
Aroclor-1016	**822**		µg/kg dry	65.7	822	BRL	100	40-140	4	30
Aroclor-1016 [2C]	**851**		µg/kg dry	65.7	822	BRL	104	40-140	2	30
Aroclor-1260	**694**		µg/kg dry	65.7	822	BRL	84	40-140	2	30
Aroclor-1260 [2C]	**937**		µg/kg dry	65.7	822	BRL	114	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*69.0*		µg/kg dry		*65.7*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*69.0*		µg/kg dry		*65.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*65.7*		µg/kg dry		*65.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*98.6*		µg/kg dry		*65.7*		*150*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1505537 - General Preparation										
Duplicate (1505537-DUP1)			Source: SC04875-15			Prepared & Analyzed: 27-Mar-15				
% Solids	99.8		%			99.8			0.01	5
Duplicate (1505537-DUP2)			Source: SC04875-16			Prepared & Analyzed: 27-Mar-15				
% Solids	98.2		%			99.8			2	5
Batch 1505538 - General Preparation										
Duplicate (1505538-DUP1)			Source: SC04875-35			Prepared & Analyzed: 27-Mar-15				
% Solids	99.8		%			99.8			0.03	5
Duplicate (1505538-DUP2)			Source: SC04875-36			Prepared & Analyzed: 27-Mar-15				
% Solids	99.8		%			99.8			0.03	5
Batch 1505539 - General Preparation										
Duplicate (1505539-DUP1)			Source: SC04875-55			Prepared & Analyzed: 27-Mar-15				
% Solids	98.6		%			99.6			0.9	5

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QR5	RPD out of acceptance range.
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
Nicole Leja

SC 04875

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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 7

Special Handling:

☒ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: ______

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Jon Gentile
21 Griffin Rd. N.
Windsor, CT 06095

Telephone #: (860) 298-9692
Project Mgr: Jon Gentile / Henry Laliberte

Invoice To: Same

P.O No.: ______ Quote/RQN: ______

Project No: 223120.0000.0000
Site Name: Kent Memorial Library
Location: Suffield, CT State: ______
Sampler(s): Jonathan Gentile, Hilton Hernandez

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

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

G= Grab C=Compsite

List Preservative Code below: 11

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	~~8082/3540~~ (HH)	8082/3540	Check if chlorinated
04875-01	V1	3/23/15	911	G	X1		1				X	☐
-02	V2	↓	919	↓	↓		1				X	☐
-03	V3	↓	925	↓	↓		1				X	☐
-04	V4	↓	928	↓	↓		1				X	☐
-05	V5	↓	935	↓	↓		1				X	☐
-06	V6	↓	941	↓	↓		1				X	☐
-07	V7	↓	952	↓	↓		1				X	☐
-08	V8	↓	955	↓	↓		1				X	☐
-09	V9	↓	959	↓	↓		1				X	☐
-10	V10	↓	1004	↓	↓		1				X	☐

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☒ Yes ☐ No
☒ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: ______
(HH) State-specific reporting standards:

~~exterior~~ interior Floor 9" (V1–V10)

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	~~3/26/15~~ 3/25/15	1421	Observed 3.7
	[signature]	3/26/15	1605	Correction Factor -1
				Corrected 2.7
				IR ID # 9

☐ EDD format: ______
☒ E-mail to: jgentile@trcsolutions.com, hlaliberte@trcsolutions.com

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

SC04875

CHAIN OF CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Page 2 of 7

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

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Jon Gentile
21 Griffin Rd N.
Windsor, CT 06095
Telephone #: (860) 298-9692
Project Mgr: Same

Invoice To: Same
P.O No.: _____ Quote/RQN: _____

Project No: 223120.0000.0000
Site Name: Kent Memorial Library
Location: Suffield, CT State: _____
Sampler(s): Jon Gentile
Hilton Hernandez

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

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

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: 8082 / 3540	Check if chlorinated
04875 -11	V 11	3/23/15	1007	G	X1		1			X	
-12	V 12		1010				1			X	
-13	V 13		1013				1			X	
-14	V 14		1017				1			X	
-15	V 15		1021				1			X	
-16	V 16		1024				1			X	
-17	V 17		1027				1			X	
-18	V 18		1045				1			X	
-19	V 19		1048				1			X	
-20	V 20		1051				1			X	

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
☒ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Interior, Floor 9"
Interior, Wall 9"

Relinquished by:	Received by:	Date:	Time:	Temp °C
		3/23/15	1421	Observed 3.7
	JGM	3/26/15	1605	Correction Factor -1
				Corrected 2.7
				IR ID # C1

☐ EDD format: _____
☒ E-mail to: jgentile@trcsolutions.com
hlaliberte@trcsolutions.com

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

SC04875e

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 7

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

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes.
Samples disposed after 60 days unless otherwise instructed.

Report To: Jon Gentile
21 Griffin Rd. N.
Windsor, CT 06095

Telephone #: (860) 298-9692
Project Mgr: Same

Invoice To: Same

P.O No.: _____ Quote/RQN: _____

Project No: 223120.0000.0000
Site Name: Kent Memorial Library
Location: Suffield State: CT
Sampler(s): Jon Gentile
Hilton Hernandez

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

List Preservative Code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= Brick 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	Analysis: 8082/3540	Check if chlorinated	
04875-21	V21	3/23/15	1300	G	X1		1			X	☐	Exterior Wall (down) 9"
-22	V22		1305				1			X	☐	(up)
-23	V23		1309				1			X	☐	(up)
-24	V24		1314				1			X	☐	(down)
-25	V25		1323				1			X	☐	(down)
-26	V26		1327				1			X	☐	(up)
-27	V27	3/24/15	903				1			X	☐	Int Wall 9"
-28	V28		908				1			X	☐	
-29	V29		917				1			X	☐	
-30	V30		922				1			X	☐	

Relinquished by:	Received by:	Date: DFA	Time:	Temp °C
		~~3/26/15~~ 3/25/15	1421	Observed: 3.7
	JH	3/26/15	1605	Correction Factor: -.1
				Corrected: 3.7
				IR ID #: C1

- [ ] EDD format: _____
- [ ] E-mail to: jgentile@trcsolutions.com
hlalibertee@trcsolutions.com

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

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

SC04875e

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 7

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

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Jonathan Gentile
TRC
21 Griffin Rd. N.
Windsor, CT 06095
Telephone #: (860) 298-9692
Project Mgr: J. Gentile / H. Laliberte

Invoice To: same

P.O No.: _____ Quote/RQN: _____

Project No: 223120.0006.0000
Site Name: Kent Memorial Library
Location: Suffield State: CT
Sampler(s): J. Gentile
H. Hernandez

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

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

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: 8082/3540	Check if chlorinated
04875-31	V31	3/24/15	926	G	X1		1			X	☐
-32	V32		939								☐
-33	V33		~~1043~~								☐
-34	V34		1034								☐
-35	V35		1038								☐
-36	V36		1043								☐
-37	V37		1058								☐
-38	V38		1047								☐
-39	V39		1135								☐
-40	V40		1140								☐

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
☒ Standard ☐ No QC ☐ DQA* ☐ ASP A* ☐ ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Int. Wall 9"
Dup
up
Dup
up

Relinquished by:	Received by:	Date:	Time:
		3-26-15	
		3/25/15	1421
	JM	3/26/15	1405

Temp °C
Observed: 3.0
Correction Factor: -1
Corrected: 2.0
IR ID#: C1

☐ EDD format:
☒ E-mail to: jgentile@trcsolutions.com
hlaliberte@trcsolutions.com

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

SC 04875 @

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 7

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

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Jonathan Gentile
TRC
21 Griffin Rd. N.
Windsor, CT 06095
Telephone #: (860) 298-9692
Project Mgr: J Gentile / H. Laliberte

Invoice To: same

P.O No.: _____ Quote/RQN: _____

Project No: 223120.0000.0000
Site Name: Kent Memorial Library
Location: Suffield State: CT
Sampler(s): J. Gentile
H. Hernandez

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

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= Brick 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	Containers: 8082/3540	Analysis	Check if chlorinated	QA/QC Reporting Notes
04875-41	V41	3/24/15	1147	G	X1		1			X		☐	Int. Wall 9"
-42	V42		1150									☐	
-43	V43		1158									☐	
-44	V44		1202									☐	
-45	V45		1208									☐	
-46	V46		1211									☐	
-47	V47		1213									☐	
-48	V48		1216									☐	
-49	V49		1321									☐	Ext. Wall 9"
-50	V50		1327									☐	

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

Relinquished by:	Received by:	Date:	Time:	Temp °C
		~~3/26/15~~ 3/25/15	1424	Observed 3.7
	JH	3/26/15	1605	Correction Factor -1
				Corrected 2.7
				IR ID # 01

☐ EDD format:
☒ E-mail to: jgentile@trcsolutions.com
hlaliberte@trcsolutions.com

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

SC04875

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 6 of 7

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

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Jonathan Gentile
TRC
21 Griffin Rd N.
Windsor, CT 06095
Telephone #: (860) 298-9692
Project Mgr: J. Gentile / H. Laliberte

Invoice To: Same

P.O. No.: _____ Quote/RQN: _____

Project No: 223120.0000.0000
Site Name: Kent Memorial Library
Location: Suffield State: CT
Sampler(s): J. Gentile
H. Hernandez

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

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

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

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: 8082/3540	Check if chlorinated	QA/QC Reporting Notes
04875-51	VS1	3/24/15	1333	G	X1		1			X	☐	Ext Wall 9"
-52	VS2		1336								☐	
-53	VS3		1347								☐	
-54	VS4		1345								☐	
-55	VS5		1416								☐	
-56	VS6		1412								☐	
-57	VS7		1420								☐	
-58	VS8		1423								☐	
-59	VS9		1430								☐	
-60	VS10		1434								☐	

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

Relinquished by:	Received by:	Date:	Time:	Temp °C
		3/24/15		
		3/25/15	1421	Observed 3.7
		3/26/15	1605	Correction Factor -1
				Corrected 2.7
				IR ID # C1

☐ EDD format: _____
☒ E-mail to: jgentile@trcsolutions.com
inlaliberte@trcsolutions.com

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

SC 04875e

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

Report To: Jonathan Gentile
TRC
21 Griffin Rd N
Windsor, CT 06095
Telephone #: (860) 298-9692
Project Mgr: J. Gentile / H. Laliberte

Invoice To: same

P.O No.: _____ Quote/RQN: _____

Project No: 223120.0000.0000
Site Name: Kent Memorial Library
Location: Suffield State: CT
Sampler(s): J. Gentile
H. Hernandez

F=Field Filtered 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=_____

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

G= Grab C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: 8082/3540	Check if chlorinated	
04875-61	V61	3/24/15	1445	G	X1		1			X	☐	Ext. Wall 9"
62	V62	↓	1449	↓	↓		↓			↓	☐	" " "
											☐	
											☐	
											☐	
											☐	
											☐	
											☐	
											☐	
											☐	

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
☒ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
		3/26/15	1421	Observed: 3.0
	JM	3/26/15	1605	Correction Factor: -.1
				Corrected: 2.9
				IR ID #: 21

☐ EDD format: _____
☒ E-mail to: jgentile@trcsolutions.com
hlaliberte@trcsolutions.com

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

PHOENIX
Environmental Laboratories, Inc.

Friday, September 18, 2015

Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: 223120.0020.0001
Sample ID#s: BJ91780 - BJ91787

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 18, 2015

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/15/15	9:31
Location Code:	TRC-DAS	Received by:	LK	09/15/15	13:34
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C223120				

Laboratory Data

SDG ID: GBJ91780
Phoenix ID: BJ91780

Project ID: 223120.0020.0001
Client ID: S48

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100		%		09/15/15	I	SW846-%Solid
Extraction for PCB	Completed				09/15/15	QQ/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1254	0.38	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	112		%	10	09/16/15	AW	30 - 150 %
% TCMX	89		%	10	09/16/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 18, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 18, 2015

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/15/15	9:24
Location Code:	TRC-DAS	Received by:	LK	09/15/15	13:34
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C223120				

Laboratory Data

SDG ID: GBJ91780
Phoenix ID: BJ91781

Project ID: 223120.0020.0001
Client ID: S49

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100		%		09/15/15	I	SW846-%Solid
Extraction for PCB	Completed				09/15/15	QQ/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1254	0.41	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	111		%	10	09/16/15	AW	30 - 150 %
% TCMX	96		%	10	09/16/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: S49

Phoenix I.D.: BJ91781

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 18, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 18, 2015

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/15/15	10:00
Location Code:	TRC-DAS	Received by:	LK	09/15/15	13:34
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C223120				

Laboratory Data

SDG ID: GBJ91780
Phoenix ID: BJ91782

Project ID: 223120.0020.0001
Client ID: S50

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	99		%		09/15/15	I	SW846-%Solid
Extraction for PCB	Completed				09/15/15	QQ/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1254	0.64	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	117		%	10	09/16/15	AW	30 - 150 %
% TCMX	100		%	10	09/16/15	AW	30 - 150 %

Project ID: 223120.0020.0001
Client ID: S50

Phoenix I.D.: BJ91782

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
September 18, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 18, 2015

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/15/15	10:08
Location Code:	TRC-DAS	Received by:	LK	09/15/15	13:34
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C223120				

Laboratory Data

SDG ID: GBJ91780
Phoenix ID: BJ91783

Project ID: 223120.0020.0001
Client ID: S51

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	99		%		09/15/15	I	SW846-%Solid
Extraction for PCB	Completed				09/15/15	QQ/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1254	0.95	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	10	09/16/15	AW	30 - 150 %
% TCMX	93		%	10	09/16/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
September 18, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 18, 2015

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/15/15	10:20
Location Code:	TRC-DAS	Received by:	LK	09/15/15	13:34
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C223120				

Laboratory Data

SDG ID: GBJ91780
Phoenix ID: BJ91784

Project ID: 223120.0020.0001
Client ID: S52

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100		%		09/15/15	I	SW846-%Solid
Extraction for PCB	Completed				09/15/15	QQ/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1254	0.87	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	119		%	10	09/16/15	AW	30 - 150 %
% TCMX	99		%	10	09/16/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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September 18, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 18, 2015

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/15/15	10:27
Location Code:	TRC-DAS	Received by:	LK	09/15/15	13:34
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C223120				

Laboratory Data

SDG ID: GBJ91780
Phoenix ID: BJ91785

Project ID: 223120.0020.0001
Client ID: S53

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100		%		09/15/15	I	SW846-%Solid
Extraction for PCB	Completed				09/15/15	QQ/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1254	0.57	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	120		%	10	09/16/15	AW	30 - 150 %
% TCMX	95		%	10	09/16/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
September 18, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 18, 2015

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/15/15	10:36
Location Code:	TRC-DAS	Received by:	LK	09/15/15	13:34
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C223120				

Laboratory Data

SDG ID: GBJ91780
Phoenix ID: BJ91786

Project ID: 223120.0020.0001
Client ID: S54

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	99		%		09/15/15	I	SW846-%Solid
Extraction for PCB	Completed				09/15/15	QQ/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1254	0.36	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	123		%	10	09/16/15	AW	30 - 150 %
% TCMX	97		%	10	09/16/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 18, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 18, 2015

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/15/15	10:44
Location Code:	TRC-DAS	Received by:	LK	09/15/15	13:34
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C223120				

Laboratory Data

SDG ID: GBJ91780
Phoenix ID: BJ91787

Project ID: 223120.0020.0001
Client ID: S55

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100		%		09/15/15	I	SW846-%Solid
Extraction for PCB	Completed				09/15/15	QQ/W	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1254	0.9	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	10	09/16/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	122		%	10	09/16/15	AW	30 - 150 %
% TCMX	98		%	10	09/16/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
September 18, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

September 18, 2015

QA/QC Data

SDG I.D.: GBJ91780

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 320252 (mg/Kg), QC Sample No: BJ91628 10X (BJ91780, BJ91781, BJ91782, BJ91783, BJ91784, BJ91785, BJ91786, BJ91787)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	0.17	86	82	4.8				40 - 140	30
PCB-1221	ND	0.17							40 - 140	30
PCB-1232	ND	0.17							40 - 140	30
PCB-1242	ND	0.17							40 - 140	30
PCB-1248	ND	0.17							40 - 140	30
PCB-1254	ND	0.17							40 - 140	30
PCB-1260	ND	0.17	106	98	7.8				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	99	%	99	91	8.4				30 - 150	30
% TCMX (Surrogate Rec)	93	%	86	84	2.4				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
September 18, 2015

Sample Criteria Exceedences Report

GBJ91780 - TRC-DAS

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: 223120.0020.0001 **Project Number:**

Laboratory Sample ID(s): BJ91780, BJ91781, BJ91782, BJ91783, BJ91784, BJ91785, BJ91786, BJ91787

Sampling Date(s): 9/15/2015

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

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.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
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 (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
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 ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #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 providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Friday, September 18, 2015

Printed Name: Ethan Lee

Position: Project Manager

Nov 2007

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

September 18, 2015

SDG I.D.: GBJ91780

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd24 09/16/15-1 (BJ91780, BJ91781, BJ91782, BJ91783)

The initial calibration (PC824AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC824BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 9/16/2015

Instrument: Au-ecd48 09/16/15-1 (BJ91784, BJ91785, BJ91786, BJ91787)

The initial calibration (PC828AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC828BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 9/16/2015

QC Comments: QC Batch 320252 09/14/15 (BJ91780, BJ91781, BJ91782, BJ91783, BJ91784, BJ91785, BJ91786, BJ91787)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

---------- Sample No: BJ91628, QA/QC Batch: 320252 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

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RCP Certification Report

September 18, 2015

SDG I.D.: GBJ91780

1 OWK

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
223120.0020.0001	Kent Memorial Library Suffield, CT			Standard TAT 7-10 Days X Rush TAT — Date Needed: 24 Hour

SIGNATURE

INSPECTOR: J. Gentile/D. Heelon

Lab ID:	SAMPLE ID:	DATE	TIME	TYPE: COMP	TYPE: GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= Concrete)	Preservative	NOTES
91-780	S48	9/15/15	931		X	Intermediate Level North Ceiling	X		1	X1		Concrete assoc w/WC2 @ 21"
91-781	S49	9/15/15	924		X	Intermediate Level North Ceiling	X		1	X1		Concrete assoc w/WC2 @ 51"
91-782	S50	9/15/15	1000		X	SE Corner of Courtyard Interior	X		1	X1		Concrete assoc w/WC2 @ 21"
91-783	S51	9/15/15	1008		X	NW Corner of Courtyard Interior	X		1	X1		Concrete assoc w/WC2 @ 21"
91-784	S52	9/15/15	1020		X	Entry Lobby Ceiling	X		1	X1		Concrete assoc w/WC2 @ 21"
91-785	S53	9/15/15	1027		X	Entry Lobby Ceiling	X		1	X1		Concrete assoc w/WC2 @ 51"
91-786	S54	9/15/15	1036		X	Lower Lobby Ceiling	X		1	X1		Concrete assoc w/WC2 @ 21"
91-787	S55	9/15/15	1044		X	Lower Lobby Ceiling	X		1	X1		Concrete assoc w/WC2 @ 51"

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	9/15/15	David Heelon	David Heelon	9/15/15	
(Printed) Jonathan Gentile	Time: 1230	(Printed) David Heelon	(Printed) David Heelon	Time: 1334	(Printed) Monica Pellerin

Remarks: ***HOLD SAMPLES S49, S53 & S55. Will give further instructions upon receipt of results for other samples.***
Report to: Henry Laliberte via email (hlaliberte@trcsolutions.com)
Include CT DPH RCP Report/Std Phoenix Report

Condition upon Receipt:

Sarah - Phoenixlabs

From: Laliberte, Henry [HLaliberte@trcsolutions.com]
Sent: Wednesday, September 16, 2015 9:55 AM
To: clientservices@phoenixlabs.com
Subject: RE: Phoenix Labs - GBJ91780, 223120.0020.0001 - COC Acknowledgement

The PO is C223120 and it is to be billed by CTDAS rates.

From: clientservices@phoenixlabs.com [mailto:clientservices@phoenixlabs.com]
Sent: Wednesday, September 16, 2015 9:39 AM
To: Laliberte, Henry <HLaliberte@trcsolutions.com>
Subject: Phoenix Labs - GBJ91780, 223120.0020.0001 - COC Acknowledgement

Henry,

A Purchase Order Number was not listed on the COC. If a PO# is required for billing purposes, please respond immediately to this email with the information so that it may be included on the invoice.

Delivery group GBJ91780 (223120.0020.0001) has been logged in for the following samples:

Phoenix Id	Client Id
BJ91780	S48
BJ91781	S49
BJ91782	S50
BJ91783	S51
BJ91784	S52
BJ91785	S53
BJ91786	S54
BJ91787	S55

The samples in this delivery group were received at 1°C. (Note acceptance criteria is above freezing up to 6°C)

If there are any questions regarding this submittal, please call Phoenix Client Services at extension 200.

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06374
Tel. (860) 645-1102
Fax. (860) 645-0823
www.phoenixlabs.com

APPENDIX B

Previous Reports

21 Griffin Road North
Windsor, CT 06095

860.298.9692 PHONE
860.298.6399 FAX

www.TRCsolutions.com

December 7, 2010

John Cloonan
Department of Public Works
Town of Suffield
83 Mountain Road
Suffield, CT 06078
Via email: JCloonan@suffieldtownhall.com

Re: Hazardous Materials Survey Report for the Kent Memorial Library located at 50 North Main Street in Suffield, Connecticut

Dear Mr. Cloonan:

Enclosed are two bound survey reports for the above named project. If you have any questions concerning this report, please feel free to contact me directly at (860) 298-6266.

Very truly yours,

TRC ENVIRONMENTAL CORPORATION

Henry J. Laliberte
Senior Program Manager

REPORT

HAZARDOUS BUILDING MATERIALS SURVEY

KENT MEMORIAL LIBRARY
50 NORTH MAIN STREET
SUFFIELD, CONNECTICUT

Prepared for

Town of Suffield
Suffield, Connecticut

Prepared by

TRC
Windsor, Connecticut

November 2010

HAZARDOUS BUILDING MATERIALS SURVEY

KENT MEMORIAL LIBRARY
50 NORTH MAIN STREET
SUFFIELD, CONNECTICUT

Prepared for
Town of Suffield
Suffield, Connecticut

Prepared by
TRC
Windsor, Connecticut

TRC Project No. 176676.0020.00001
November 2010

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

TABLE OF CONTENTS

PROJECT OUTLINE

Site Address:	Kent Memorial Library 50 North Main Street Suffield, CT	
TRC Project No.:	176676.0020.0001	
Asbestos Inspector:	Maureen Grissom (CT License No. 000663) Eric Hastedt (CT License No. 000693)	
Lead Inspector:	Eric Hastedt (CT License No. 002211)	
PCB Caulk/Glazing Inspector:	Maureen Grissom Eric Hastedt	
Date of Inspection:	11/10/10	
Asbestos Identified:	Yes	Asbestos Removal Estimate: **$73,488**
Lead Paint Identified:	Yes	Lead Paint Abatement Estimate: **Not Applicable**
PCB Caulk Identified:	Yes	PCB Caulk Removal Estimate: **$102,480**
Regulated Materials Identified:	Yes	Regulated Material Removal: **$19,747**

Additional Notes:

The inspection of the roof was outside the scope of the building inspection.

EXECUTIVE SUMMARY

On November 11, 2010 TRC of Windsor, Connecticut conducted a hazardous building materials survey at the Kent Memorial Library in Suffield, Connecticut. TRC inspected for asbestos, lead paint, hazardous/regulated materials and polychlorinated biphenols (PCBs) in caulks/glazing materials throughout the interior and exterior of the library. A roof inspection was outside the scope of the building inspection.

A Connecticut licensed asbestos inspector from TRC conducted the inspection in accordance with USEPA AHERA protocols and ASTM Standard E2356-04. Bulk samples of suspect materials were collected and analyzed via polarized light microscopy (PLM) and transmission electron microscopy (TEM) methods at CTDPH/NVLAP accredited laboratories. ACM was identified as 12"x12" white floor tile with associated mastic, glue associated with orange carpets, glue/mastic associated with stair treads, glue daubs associated with 2'x2' ceiling tiles and transite pipe. Pipe flange gaskets and internal boiler materials are assumed to be ACM. ACM to be impacted by renovation/demolition activities must be removed prior to disturbance in accordance with OSHA, USEPA, CTDPH, and CTDEP standards for asbestos abatement/disposal. Detailed results of the asbestos survey can be found in Tables 1-3 and Appendices A through D.

A CT licensed lead inspector from TRC conducted a representative lead-based paint (LBP) survey throughout the interior and exterior of the library. The survey technique consisted of on-site x-ray fluorescence (XRF) measurements of representative painted surfaces utilizing a Niton XLP 301A L&K shell spectrum analyzer. Various levels of LBP, ranging from below detectable levels to more than 3.1 mg/cm^2, were found throughout the library. Detailed results of the XRF lead based paint survey can be found in Table 5 as well as Appendix F. .

TRC conducted the bulk caulk/glaze inspection, generally modeling the inspection protocols after the EPA AHERA asbestos inspection protocols. A visual assessment of the areas was performed to identify differing caulks/glazes present, and a single grab bulk sample of each type of homogeneous caulk/glaze identified was collected, with samples collected down to the substrate/backer to ensure no evidence of prior older caulk/glaze was present, therefore verifying the samples collected represented a distinct homogeneous material. Following sample collection, replacement caulking material was installed to seal the sample location. Samples were submitted

following chain of custody procedures to Con-test Analytical Laboratory in East Longmeadow, Massachusetts for analysis via EPA Methods 3540C/8082 (PCB Arochlor with Soxhlet Extraction). Analytical results indicated interior and exterior caulks/glazes defined as EPA PCB Bulk Products (≥50ppm), as well as further caulks/glazes subject to regulation by the CTDEP (>1ppm <50ppm), were present. Detailed results of the bulk caulk/glaze sampling can be found in Table 6 and Appendix F, while the bulk sample locations and the general locations of the EPA & CTDEP regulated caulk/glaze can be found on the drawings/field sketches in Appendix A.

Recommendations and Conclusions

Asbestos

- Asbestos-containing floor tile with associated mastic, carpet glue, glue/mastic associated with stair treads, ceiling tile glue daubs and transite pipe are present in the building.
- Asbestos containing pipe flanges and internal boiler materials are assumed to be present but were inaccessible without conducting destructive sampling during the building survey.
- An asbestos roof inspection should be conducted.
- ACM must be removed prior to conducting renovations that may impact these materials.
- ACM may exist in areas of the building that were beyond the scope of this investigation.

Lead Based Paint

- Defective LBP has been identified on doors, window systems, and ceilings.
- Repairs to painted surfaces should be conducted by adequately trained personnel.
- Good housekeeping procedures including wet wiping and high efficiency particulate air (HEPA) vacuuming should be followed when cleanup of lead paint debris is required.
- If the building is accessed by children under six (6), it is identified as a 'Child Occupied Facility' and is regulated by the Connecticut Department of Public Health Lead Paint Program.

PCB Caulk and Glazing

- Caulks/glazings defined as EPA PCB Bulk Product (≥50ppm) present
- Caulks/glazings regulated by the CTDEP (>1ppm<50ppm) present
- Because of the concentrations of PCBs identified in caulk, TRC recommends that dust wipe sampling and air sampling for PCBs be conducted.
- Potential to consider soil and substrate sampling for PCB presence

Regulated Items:

- Regulated items located at the library should be categorized and manifested for proper disposal and/or recycling prior to renovations or demolition activities. When necessary, sampling of regulated items should be conducted.

TABLES

TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Sample No.	Sample Location	Homogeneous Material	% and Type Asbestos
1	Photo Gallery	Black (mastic)	5% Chrysotile
		White 12"x12" vinyl floor tile (FT1)	3% Chrysotile
2	Employee Offices	Black (mastic)	NA/PS
		White 12"x12" vinyl floor tile (FT1)	NA/PS
3	Employee Break Room	Black (mastic)	NA/PS
		White 12"x12" vinyl floor tile (FT1)	NA/PS
4	1ST floor Fiction Department	Black glue under hardwood floor tiles (G1)	Trace chrysotile[1]
5	2nd floor Health 600	Black glue under hardwood floor tiles (G1)	ND<1%
6	1ST floor Fiction Department	Yellow glue between hardwood floor tiles (G2)	ND<1%[1]
7	2nd floor Health 600	Yellow glue between hardwood floor tiles (G2)	ND<1%
8	Photo Gallery	Brown glue on back or rubber stair tread (G3)	3% Chrysotile

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

\+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 NOB material; result confirmed by TEM analyses

* Quantified by PLM 600 Point Counting with Gravimetric Reduction

TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Sample No.	Sample Location	Homogeneous Material	% and Type Asbestos
9	Employee Office	Brown glue on back or rubber stair tread (G3)	NA/PS
10	Auditorium	Yellow carpet glue (G4)	Trace chrysotile[1]
11	Auditorium	Yellow carpet glue (G4)	ND<1%
12	Historical Room	Yellow carpet glue (G5)	15.25% Chrysotile[1] .22%Anthophyllite[1]
13	Historical Room	Yellow carpet glue (G5)	15.25% Chrysotile[1] .22%Anthophyllite[1]
14	Auditorium	Grey Levelastic	ND<1%
15	Auditorium	Grey Levelastic	ND<1%
16	Photo Gallery	Brown stair tread (ST1)	5% Chrysotile
17	Employee Office	Brown stair tread (ST1)	NA/PS
18	Employee Office	4" White cove base with yellow glue (CB1)	ND<1%[1]
		Yellow glue for CB1	ND<1%[1]

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

\+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 NOB material; result confirmed by TEM analyses

* Quantified by PLM 600 Point Counting with Gravimetric Reduction

TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Sample No.	Sample Location	Homogeneous Material	% and Type Asbestos
19	Photo Gallery	4" White cove base with yellow glue (CB1)	ND<1%
		Yellow glue for CB1	ND<1%
20	Photo Gallery	4" White cove base with yellow glue (CB1)	ND<1%
		Yellow glue for CB1	ND<1%
21	Main (Basement) Entrance	Glue daub under 2'x2' ceiling tiles (GD1)	5% Chrysotile
22	Level 1	Glue daub under 2'x2' ceiling tiles (GD1)	NA/PS
23	Level 2	Glue daub under 2'x2' ceiling tiles (GD1)	NA/PS
24	Photo Gallery	White textured ceiling (TC1)	ND<1%
25	Main (Basement)Entrance	White textured ceiling (TC1)	ND<1%
26	Level 1 Fiction Section	White textured ceiling (TC1)	ND<1%
27	Level 1 Entrance Area	White textured ceiling (TC1)	ND<1%
28	Level 2 Health 600 Section	White textured ceiling (TC1)	ND<1%
29	Level 2	White textured ceiling (TC1)	ND<1%

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

\+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 NOB material; result confirmed by TEM analyses

* Quantified by PLM 600 Point Counting with Gravimetric Reduction

TABLE 1 BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS KENT MEMORIAL LIBRARY SUFFIELD, CONNECTICUT			
Sample No.	**Sample Location**	**Homogeneous Material**	**% and Type Asbestos**
30	Level 3 Psychology Section	White textured ceiling (TC1)	ND<1%
31	Boiler Room – below pressure gauge	Mudded fitting (MD1)	ND<1%
32	Boiler Room – below pressure gauge	Mudded fitting (MD1)	ND<1%
33	Boiler Room – top pressure gauge	Mudded fitting (MD2)	ND<1%
34	Boiler Room – top pressure gauge	Mudded fitting (MD2)	ND<1%
35	Boiler Room Exhaust Fan	Mudded fitting (MD3)	ND<1%
36	Boiler Room Exhaust Fan	Mudded fitting (MD3)	ND<1%
37	Boiler Room –Transite Pipe	Black gasket on 12"x12" door (BG1)	ND<1%
38	Boiler Room –Transite Pipe	Black gasket on 12"x12" door (BG1)	ND<1%
39	Boiler Room	Red gasket between pressure gauge (BG2)	ND<1%
40	Boiler Room	Red gasket between pressure gauge (BG2)	ND<1%
41	Main (Basement) Entrance	White 2'x2'ceiling tiles(CT1)	ND<1%

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

\+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 NOB material; result confirmed by TEM analyses

* Quantified by PLM 600 Point Counting with Gravimetric Reduction

TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Sample No.	Sample Location	Homogeneous Material	% and Type Asbestos
42	Main (Basement) Entrance	White 2'x2' ceiling tiles(CT1)	ND<1%
43	Main (Basement) Entrance	Window caulk(WC3)	ND<1%
44	Main (Basement) Entrance	Window caulk(WC3)	ND<1%
45	A Side Perimeter	Pink/Grey exterior building caulk (BC1)	ND<1%[1]
46	A Side Perimeter	Pink/Grey exterior building caulk (BC1)	ND<1%
47	A Side Front Entrance	Grey exterior door caulk (DC1)	ND<1%[1]
48	A Side Front Entrance	Grey exterior door caulk (DC1)	ND<1%
49	D Side Office Exit Door	Grey interior door caulk (DC2)	ND<1%[1]
50	D Side Office Exit Door	Grey interior door caulk (DC2)	ND<1%
51	C Side Window	Grey exterior window caulk (WC1)	ND<1%[1]
52	C Side Window	Grey exterior window caulk (WC1)	ND<1%
53	C Side Window	Grey interior window caulk (WC2)	ND<1%[1]
54	C Side Window	Grey interior window caulk (WC2)	ND<1%

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

\+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 NOB material; result confirmed by TEM analyses

* Quantified by PLM 600 Point Counting with Gravimetric Reduction

TABLE 1 BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS KENT MEMORIAL LIBRARY SUFFIELD, CONNECTICUT			
Sample No.	**Sample Location**	**Homogeneous Material**	**% and Type Asbestos**
55	C Side Window	Grey exterior window glaze (WG1)	ND<1%[1]
56	C Side Window	Grey exterior window glaze(WG1)	ND<1%
57	C Side Window	Grey interior window caulk (WG2)	ND<1%[1]
58	C Side Window	Grey interior window caulk (WG2)	ND<1%

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

\+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 NOB material; result confirmed by TEM analyses

* Quantified by PLM 600 Point Counting with Gravimetric Reduction

TABLE 2
IDENTIFIED ASBESTOS CONTAINING MATERIALS (>1%)
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Material	Sampled-Assumed (mo/yr)	General Location	NESHAP Category	AHERA Category	Estimated Quantity
Black (mastic)	Sampled 11/10/2010	Office and Photo Gallery	Category II Non-Friable	Miscellaneous	3,427 SF
White 12"x12' vinyl floor tile (FT1)	Sampled 11/10/2010	Office and Photo Gallery	Category I Non-Friable	Miscellaneous	3,427 SF
Yellow carpet glue (G5)	Sampled 11/10/2010	Under orange carpet in historical office	Category II Non-Friable	Miscellaneous	360 SF
Brown glue (G3)	Sampled 11/10/2010	Back of rubber stair tread to offices and photo gallery	Category II Non-Friable	Miscellaneous	80 SF
Brown glue daub (GD1)	Sampled 11/10/2010	Throughout building under 2'x2' ceiling tiles	Category II Non-Friable	Miscellaneous	950 SF
Transite pipe	Assumed	HVAC system Under building	Category II Non-Friable	Miscellaneous	~1,000 LF
Pipe flange gaskets	Assumed	Boiler room/inaccessible locations	Category I Non-Friable	Miscellaneous	Unknown
Internal boiler materials	Assumed	Boiler room	Friable	Miscellaneous	Unknown

TABLE 3
CONFIRMED NON-ASBESTOS CONTAINING MATERIALS
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Material	General Location
Black glue under hardwood floor tiles	Throughout levels 1, 2, and 3
Yellow glue between hardwood floor tiles	Throughout levels 1, 2 and 3
Yellow carpet glue	Under carpet in auditorium
Grey level lastic	Under yellow carpet glue in auditorium
White 4" cove base with yellow glue	Photo gallery and employee office
White textured ceiling	Throughout building
Mudded fitting	Boiler room
Mudded fitting	Boiler room
Mudded fitting	Boiler room
Black gasket	Boiler room12"x12" HVAC door (transite pipe system)
Red gasket	Boiler room between pressure gauge on natural gas motor
White 2'x2' ceiling tiles	Throughout building
Pink/grey building caulk	Patched throughout exterior of building
Grey door caulk	Exterior door caulk around the front and rear entrance
Grey door caulk	Interior door caulk around interior exit door employee office
Grey window caulk	Exterior window caulk around all windows
Grey window caulk	Interior window caulk around all windows

TABLE 3
CONFIRMED NON-ASBESTOS CONTAINING MATERIALS
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Material	General Location
White window glaze	Exterior window glaze around all windows
White window glaze	Interior window glaze around all windows

TABLE 4
SUMMARY OF LEAD BASED PAINT XRF MEASUREMENTS
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Structure	No. of Measurements	Calibrations	Void	Lead Detected	No Lead Detected
Kent Memorial Library	119	7	0	71	41

See Lead Based Paint XRF Measurement Table

TABLE 5
INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIALS/ITEMS IDENTIFIED
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Quantity	Size	Material/Item	General Location	Potential Hazard
One (1)		Heat detector	Employee break room	Low-level radioactive source
Twenty six (26)		Fluorescent Bulbs	Employee office	UW - Hg lamps
Thirteen (13)		Ballasts	Employee office	CRW - PCB ballasts
One (1)		Smoke detector	Employee office	Low-level radioactive source
Two (2)		Fire extinguisher	Employee office	CRW - waste chemical solid
One (1)		Exit sign	Employee office	UW - Hg lamp UW- batteries
One (1)		Emergency light	Employee office	UW - Hg lamp UW- batteries
One (1)		Pull down fire alarm	Employee office	UW – used electronics

CRW- Connecticut Regulated Waste – PCBs (CR01), Oils (CR02/CR03), waste chemical liquids - antifreeze, latex & solvent paints, sludges, etc. (CR04), waste chemical solids (CR05)

UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)

IH- Inhalation hazard (silicas, etc.)

I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140°F) (D001)

C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)

T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation

R- Reactive – may contain ingredients which are unstable, react violently with water or are explosive (D003)

TABLE 5
INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIALS/ITEMS IDENTIFIED
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Quantity	Size	Material/Item	General Location	Potential Hazard
One (1)		Security system	Librarian office	UW - printed circuit boards
One (1)		Smoke detector	Main (Basement) entrance	Low-level radioactive source
Two (2)		Exit sign	Main (Basement) entrance	UW - Hg lamp UW- batteries
One (1)		Fire alarm pull down	Employee office	UW – used electronics
One (1)		Emergency light	Photo gallery	UW - Hg lamp UW- batteries
Twenty six (26)		Fluorescent Bulbs	Photo gallery	UW - Hg lamps
Thirteen (13)		Ballasts	Photo gallery	CRW - PCB ballasts
One (1)		Smoke detector	Photo gallery	Low-level radioactive source
One (1)		Fire extinguisher	Boiler room	CRW - waste chemical solid

CRW- Connecticut Regulated Waste – PCBs (CR01), Oils (CR02/CR03), waste chemical liquids - antifreeze, latex & solvent paints, sludges, etc. (CR04), waste chemical solids (CR05)

UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)

IH- Inhalation hazard (silicas, etc.)

I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140°F) (D001)

C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)

T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation

R- Reactive – may contain ingredients which are unstable, react violently with water or are explosive (D003)

TABLE 5
INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIALS/ITEMS IDENTIFIED
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Quantity	Size	Material/Item	General Location	Potential Hazard
Two (2)		Fluorescent Bulbs	**Boiler room**	UW - Hg lamps
One (1)		Ballasts	Boiler room	CRW - PCB ballasts
One (1)		Security box	Boiler room	UW - printed circuit boards
One (1)		Fuse panel	Boiler room	UW - printed circuit boards
One (1)		Smoke detector	Boiler room	Low-level radioactive source
One (1)		Heat detector	Men's room	Low-level radioactive source
One (1)		Heat detector	Women's room	Low-level radioactive source
One (1)		Smoke detector	Historical room	Low-level radioactive source
One (1)		Fire extinguisher	Historical room	CRW - waste chemical solid
Two (2)		Exit sign	Auditorium	UW - Hg lamp UW- batteries
Two (2)		Emergency light	Auditorium	UW - Hg lamp UW- batteries

CRW- Connecticut Regulated Waste – PCBs (CR01), Oils (CR02/CR03), waste chemical liquids - antifreeze, latex & solvent paints, sludges, etc. (CR04), waste chemical solids (CR05)

UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)

IH- Inhalation hazard (silicas, etc.)

I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140°F) (D001)

C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)

T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation

R- Reactive – may contain ingredients which are unstable, react violently with water or are explosive (D003)

TABLE 5
INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIAL ITEMS IDENTIFIED
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Quantity	Size	Material/Item	General Location	Potential Hazard
One (1)		Smoke detector	Auditorium	Low-level radioactive source
Three (3)		Smoke detector	Level 1	Low-level radioactive source
Twenty six (26)		Fluorescent Bulbs	Level 1	UW - Hg lamps
Thirteen (13)		Ballasts	Level 1	CRW - PCB ballasts
Two (2)		Emergency light	Level 1	UW - Hg lamp UW- batteries
One (1)		Exit sign	Level 1	UW - Hg lamp UW- batteries
One (1)		Fire alarm	Level 1	UW- Used electronics
Two (2)		Smoke detector	Level 2	Low-level radioactive source
Twenty six (26)		Fluorescent Bulbs	Level 2	UW - Hg lamps
Thirteen (13)		Ballasts	Level 2	CRW - PCB ballasts
Two (2)		Smoke detector	Level 3	Low-level radioactive source

CRW- Connecticut Regulated Waste – PCBs (CR01), Oils (CR02/CR03), waste chemical liquids - antifreeze, latex & solvent paints, sludges, etc. (CR04), waste chemical solids (CR05)

UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)

IH- Inhalation hazard (silicas, etc.)

I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140°F) (D001)

C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)

T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation

R- Reactive – may contain ingredients which are unstable, react violently with water or are explosive (D003)

TABLE 5
INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIALS/ITEMS IDENTIFIED
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Quantity	Size	Material/Item	General Location	Potential Hazard
Twenty six (28)		Fluorescent Bulbs	Level 3	UW - Hg lamps
Thirteen (14)		Ballasts	Level 3	CRW - PCB ballasts
Two (2)		Exit sign	Level 3	UW - Hg lamp UW- batteries
Two (2)		Emergency light	Level 3	UW - Hg lamp UW- batteries

CRW- Connecticut Regulated Waste – PCBs (CR01), Oils (CR02/CR03), waste chemical liquids - antifreeze, latex & solvent paints, sludges, etc. (CR04), waste chemical solids (CR05)

UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)

IH- Inhalation hazard (silicas, etc.)

I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140°F) (D001)

C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)

T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation

R- Reactive – may contain ingredients which are unstable, react violently with water or are explosive (D003)

TABLE 6
SUMMARY OF PCB SAMPLING RESULTS
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

EPA Method 8082	**Sample 01** Wall caulk, exterior	**Sample 02** Seam caulk, exterior	**Sample 03** Window caulk, exterior	**Sample 04** Window caulk, interior
	RESULTS IN ppm (mg/kg)			
PCB-1016	ND	ND	ND	ND
PCB-1221	ND	ND	ND	ND
PCB-1232	ND	ND	ND	ND
PCB-1242	ND	ND	ND	ND
PCB-1248	ND	ND	ND	ND
PCB-1254	**190,000**	**39**	**160,000**	**130,000**
PCB-1260	ND	ND	ND	ND
PCB-1262	ND	ND	ND	ND
PCB-1268	ND	ND	ND	ND

EPA Method 8082	**Sample 05** Void	**Sample 06** Wall caulk, office exit door
PCB-1016	Not Analyzed	ND
PCB-1221	Not Analyzed	ND
PCB-1232	Not Analyzed	ND
PCB-1242	Not Analyzed	ND
PCB-1248	Not Analyzed	ND
PCB-1254	Not Analyzed	**220,000**
PCB-1260	Not Analyzed	ND
PCB-1262	Not Analyzed	ND
PCB-1268	Not Analyzed	ND

APPENDIX A

SITE SKETCHES

SHEET NO. ______ OF ______

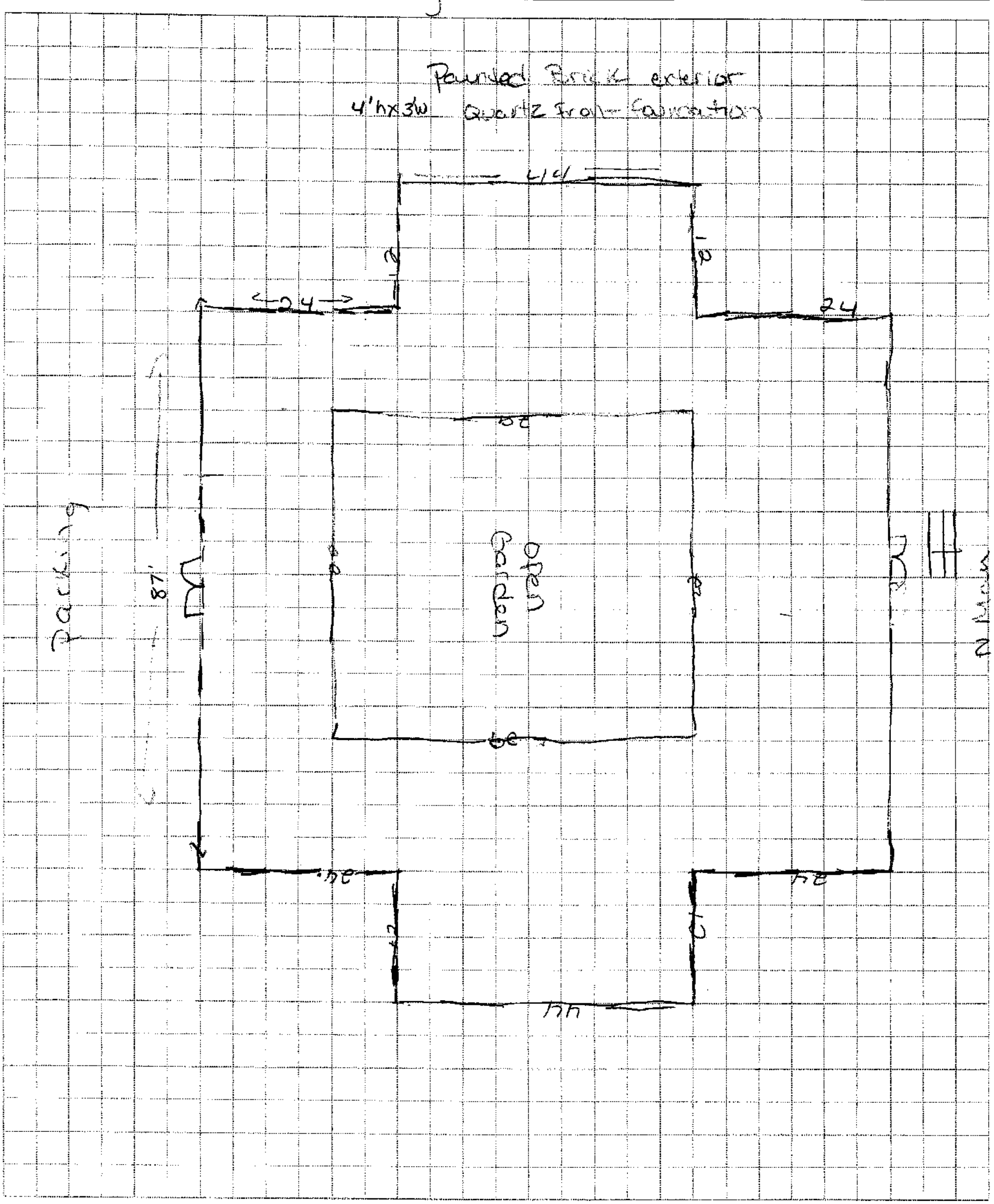
PROJECT NO. ______

DATE ______

BY ______

SUBJECT Kent Library Suffield CT

CHK'D ______



A

SHEET NO. _____ OF _____

PROJECT NO. _____

DATE 11/10/10

BY Maureen Grissom Eric Hastedt

CHK'D _____

SUBJECT Kent Library Suffield CT

A

(3)

TRC

SHEET NO. _____ OF _____

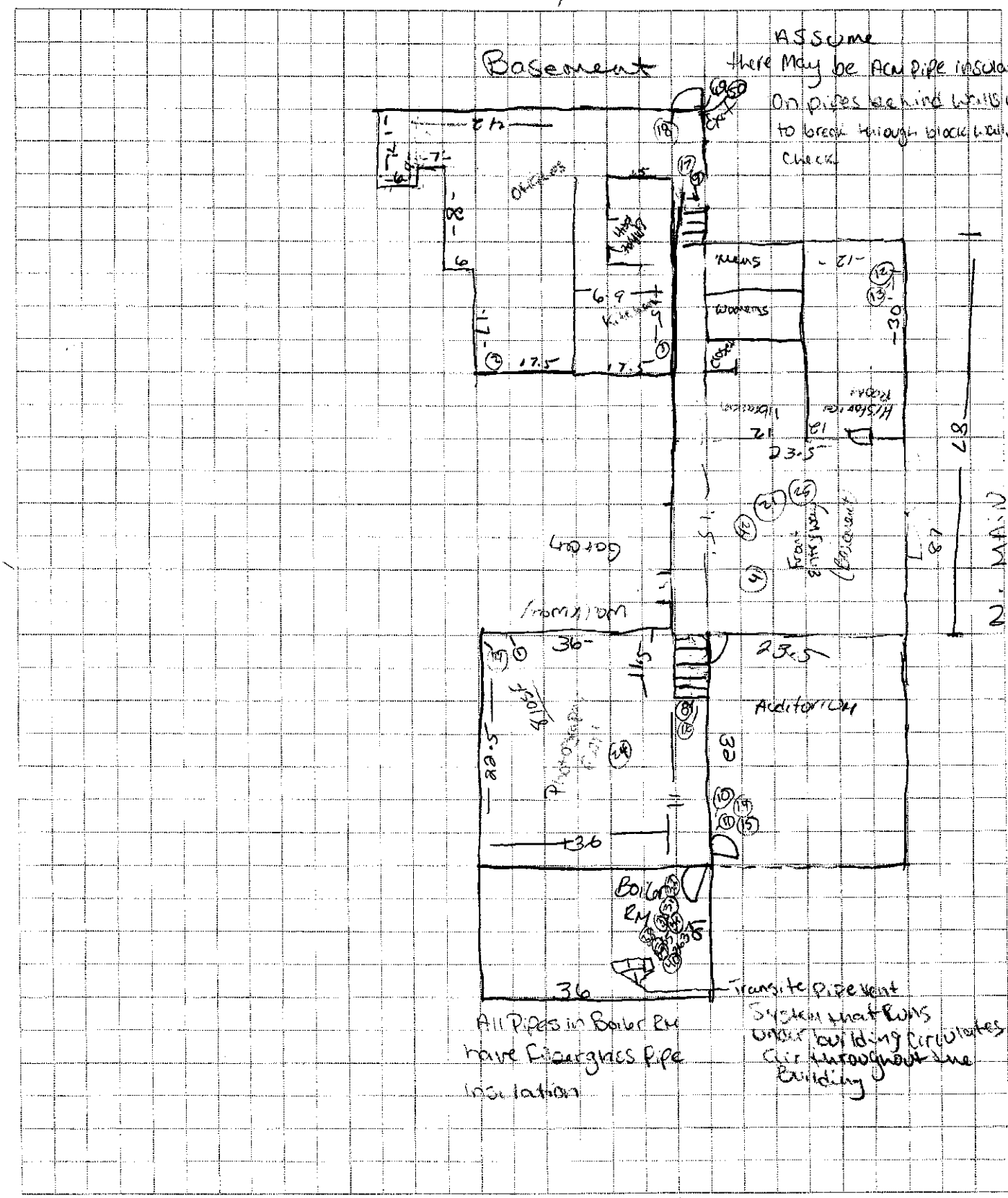
PROJECT NO. _____

DATE 4/10/10

BY Maureen Grissom Eric Hostedt

CHK'D _____

SUBJECT Kent Memorial Library



A

SHEET NO. _____ OF _____

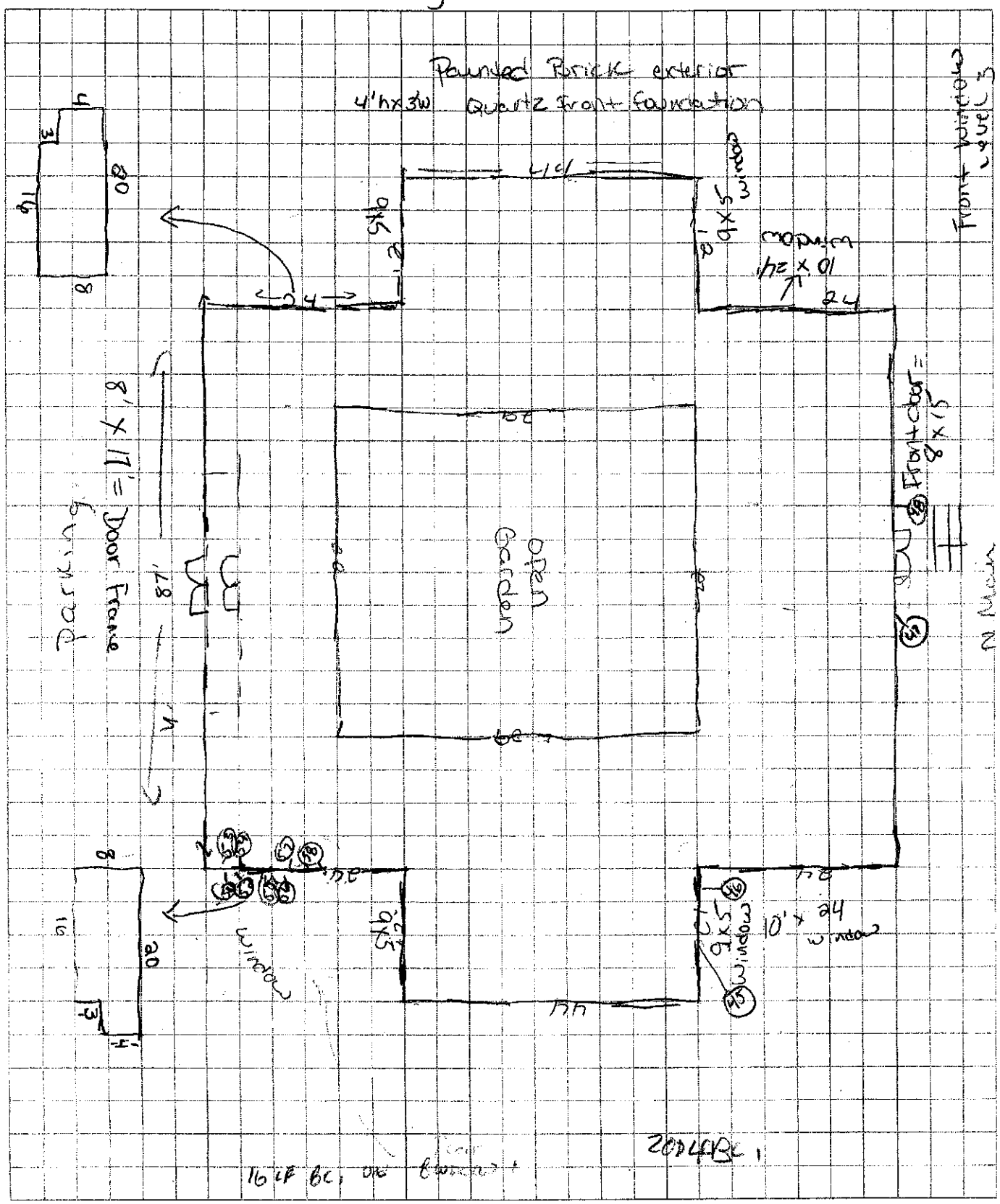
PROJECT NO. _____

DATE 11/10/10

BY Maureen Grissom Eric Hasselt

CHK'D _____

SUBJECT Kent Library Suffield CT



A

APPENDIX B

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORMS

TRC

Edition: October 2009
Supersede Previous Edition

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

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38860

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
176676.0020.00001	Kent Memorial Library – Suffield, CT		PLM: x 8hr 24hr 48hr 3day TEM: x 24hr 48hr 3day 5day
SIGNATURE: Eric J. Hastedt	INSPECTOR: Eric Hastedt		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
1	11/10/10	0930		x	Photo Gallery	x		x		X	12" x 12" white vinyl floor tile with black mastic (FT1)
2	11/10/10	0933		x	Employee Offices	x		x			12" x 12" white vinyl floor tile with black mastic (FT1)
3	11/10/10	0934		x	Employee Break Room	x		x			12" x 12" white vinyl floor tile with black mastic (FT1)
4	11/10/10	0945		x	1st Floor Fiction Department	x				X	Black glue under hard wood floor tiles (G1)
5	11/10/10	0950		x	2nd Floor Health 600	x					Black glue under hard wood floor tiles (G1)
6	11/10/10	0959		x	1st Floor Fiction Department	x				X	Yellow glue between hardwood floor tiles (G2)
7	11/10/10	1005		x	2nd Floor Health 600	x					Yellow glue between hardwood floor tiles (G2)
8	11/10/10	1110		x	Photo Gallery	x				X	Brown glue on back of rubber stair tread (G3)
9	11/10/10	1117		x	Employee Office	x					Brown glue on back of rubber stair tread (G3)
10	11/10/10	1148		x	Auditorium	x				X	Yellow carpet glue (G4)

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Eric J. Hastedt	11/12/10	K. Williamson 11/12/10			
(Printed) Eric Hastedt	Time: 1200	(Printed) K. Williamson 1200	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: ok
Acceptable: Yes ✓ No _____
Comments:

TRC

Edition: October 2009
Supersede Previous Edition

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

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38860

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
176676.0020.00001	Kent Memorial Library – Suffield, CT		PLM: x 8hr 24hr 48hr 3day TEM: x 24hr 48hr 3day 5day
SIGNATURE: Eric J. Hastedt	INSPECTOR: Eric Hastedt		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
11	11/10/10	1149		x	Auditorium	x					Yellow carpet glue (G4)
12	11/10/10	1211		x	Historical Room	x				X	Yellow carpet glue under orange carpet (G5)
13	11/10/10	1212		x	Historical Room	x					Yellow carpet glue under orange carpet (G5)
14	11/10/10	1150		x	Auditorium	x				X	Grey level lastic under G4
15	11/10/10	1151		x	Auditorium	x					Grey level lastic under G4
16	11/10/10	1111		x	Photo Gallery	x				X	Brown stair tread (ST1)
17	11/10/10	1118		x	Employee Office	x					Brown stair tread (ST1)
18	11/10/10	1030		x	Employee Office	X				X	4" white cove base with yellow glue (CB1)
19	11/10/10	1040		x	Photo Gallery	x					4" white cove base with yellow glue (CB1)
20	11/10/10	1045		x	Photo Gallery	x					4" white cove base with yellow glue (CB1)
21	11/10/10	1300		x	Basement Entrance	x				X	Glue daub under 2' x 2' ceiling tiles (GD1)

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Eric J. Hastedt	11/12/10	R. Williamson 11/12/10			
(Printed) Eric Hastedt	Time: 1200	(Printed) R. Williamson 1200	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: OK
Acceptable: Yes ✓ No _____
Comments:

TRC

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

Edition: October 2009
Supersede Previous Edition

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38860

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
176676.0020.00001	Kent Memorial Library – Suffield, CT		PLM: x 8hr 24hr 48hr 3day TEM: x 24hr 48hr 3day 5day
SIGNATURE: Eric J. Hastedt	INSPECTOR: Eric Hastedt		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE: COMP	TYPE: GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
22	11/10/10	1310		x	Level 1	x					Glue daub under 2' x 2' ceiling tiles (GD1)
23	11/10/10	1340		x	Level 2	x					Glue daub under 2' x 2' ceiling tiles (GD1)
24	11/10/10	1403		x	Photo Gallery	x				X	White textured ceiling (TC1)
25	11/10/10	1406		x	Basement Entrance	x					White textured ceiling (TC1)
26	11/10/10	1410		x	Level 1 Fiction Section	X					White textured ceiling (TC1)
27	11/10/10	1411		x	Level 1 Entrance Area	X					White textured ceiling (TC1)
28	11/10/10	1425		x	Level 2 Health 600 Section	X					White textured ceiling (TC1)
29	11/10/10	1427		x	Level 2	X					White textured ceiling (TC1)
30	11/10/10	1440		x	Level 3 Psychology Section	x					White textured ceiling (TC1)
31	11/10/10	1510		x	Boiler Room – below pressure gauge	x				X	Mudded Fitting (MD1)

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Eric J. Hastedt	11/12/10	K. Williamson 11/12/10			
(Printed) Eric Hastedt	Time: 1200	(Printed) K. Williamson 1200	(Printed)	Time:	(Printed)
Remarks:		Condition of Samples: ok Acceptable: Yes ____ No ____ Comments:			Page 3 of 6

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Edition: October 2009
Supersede Previous Edition

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

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38860

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
176676.0020.00001	Kent Memorial Library – Suffield, CT		PLM: x 8hr 24hr 48hr 3day TEM: x 24hr 48hr 3day 5day
SIGNATURE: Eric J. Hastedt	INSPECTOR: Eric Hastedt		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE: COMP	TYPE: GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
32	11/10/10	1511		x	Boiler Room- below pressure gauge	x					Mudded Fitting (MD1)
33	11/10/10	1516		x	Boiler Room – top of pressure gauge	x				X	Mudded Fitting (MD2)
34	11/10/10	1517		x	Boiler Room – top of pressure gauge	x					Mudded Fitting (MD2)
35	11/10/10	1530		X	Boiler Room – Exhaust Fan	x				X	Mudded Fitting (MD3)
36	11/10/10	1531		x	Boiler Room – Exhaust Fan	X					Mudded Fitting (MD3)
37	11/10/10	1541		x	Boiler Room – Transite Pipe	X				X	Black gasket on 12" x 12" door (BG1)
38	11/10/10	1542		x	Boiler Room – Transite Pipe	x					Black gasket on 12" x 12" door (BG1)
39	11/10/10	1601		x	Boiler Room -	x				X	Red gasket between pressure gauge on motor to natural gas burner (BG2)
40	11/10/10	1602		x	Boiler Room	X					Red gasket between pressure gauge on motor to natural gas burner (BG2)

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Eric J. Hastedt	11/12/10	K. Williamson 11/12/10			
(Printed) Eric Hastedt	Time: 1200	(Printed) K. Williamson 1200	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: ✓
Acceptable: Yes ✓ No
Comments:

TRC

Edition: October 2009
Supersede Previous Edition

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

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38860

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
176676.0020.00001	Kent Memorial Library – Suffield, CT		PLM: x 8hr 24hr 48hr 3day TEM: x 24hr 48hr 3day 5day
SIGNATURE: Eric J. Hastedt	INSPECTOR: Eric Hastedt		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE: COMP	TYPE: GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
41	11/12/10	1041		X	Basement Entrance	x				x	White 16" x 16" ceiling tiles (CT1)
42	11/12/10	1041		x	Basement Entrance	x					White 16" x 16" ceiling tiles (CT1)
43	11/12/10	1030		x	Basement Hallway	X				x	White interior window caulk (WC1)
44	11/12/10	1031		x	Basement Hallway	x					White interior window caulk (WC1)

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Eric J. Hastedt	11/12/10	K. Williamson 11/12/10			
(Printed) Eric Hastedt	Time: 1200	(Printed) K. Williamson 1200	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: OK
Acceptable: Yes ✓ No ____
Comments:

TRC

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

Edition: October 2009
Supersede Previous Edition

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38870

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
176676-0020-0001	Kent Memorial Library Suffield CT		PLM: ☐ 8hr ☐ 24hr ☐ 48hr ☐ 3day TEM: ☐ 24hr ☐ 48hr ☐ 3day ☐ 5day

SIGNATURE	INSPECTOR
Maureen Grissom	Maureen Grissom

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
45	11/10/10	1310		X	A Side Perimeter	X					BC, Pink/Grey Building caulk exterior
46		1310		X		X					
47		1311		X	A Side front entrance	X					DC, Grey Door caulk exterior
48		1311		X		X					
49		1315		X	D Side office exit door	X					DC2 Grey Door caulk interior
50		1315		X		X					
51		1318		X	C Side window	X					WC, Grey ~~exterior~~ NO window caulk exterior
52		1318		X		X					
53		1319		X	C Side window	X					WC 2 Grey window caulk interior
54		1319		X		X					
55		1320		X	C Side window	X					WG 1 White window Glaze exterior

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Maureen Grissom	11/16/10	11/16/10			
(Printed) Maureen Grissom	Time:	(Printed) 1015	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: OK
Acceptable: Yes ____ No ____
Comments:

TRC

Edition: October 2009
Supersede Previous Edition

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

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38870

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
176676 · 0030 · 0001	Kent Memorial Library Suffield CT		PLM: 8hr 24hr 48hr 3day TEM: 24hr 48hr 3day 5day

SIGNATURE	INSPECTOR
Maureen Grissom	Maureen Grissom

FIELD SAMPLE NUMBER	DATE	TIME	TYPE: COMP	TYPE: GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
56	11/10/10	1320			Cs.de window	Y					WG1 White Window Glaze exterior
57	"	1323			Cs.de Window	Y					WG2 White Window Glaze, interior
58	"	1324			"	Y					"

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Maureen Grissom	11/10/10	11/10/10			
(Printed) Maureen Grissom	Time:	(Printed) 1015	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: OK
Acceptable: Yes ___ No ___
Comments:

Proscience Analytical Services, Inc.

683 North Mountain Road
Newington, CT 06111
TEM Bulk Chain of Custody Record

Date: 11/12/10

PO#: **C176676** Analysis Type: Chatfield **EPA N.O.B** Qualitative
Client: TRC
Client Job#: 176676.0020.0001
Client Job Ref./Loc.: Kent Memorial Library
Relinquished by: K. Williamson- Kwilliamson@trcsolutions.com
Received by:
Report to: H. Laliberte- Hlaliberte@trcsolutions.com
Samplers Name: E. Hastedt

Turn Around Time: <12 Hour **<24 Hour** <48 Hour <3 Day 5 Day Other:

					For Lab Use Only
Client ID #	**Lab ID#**	**Description**	**Location**	**Acceptable on Receipt**	**Comments**
4	38860	Glue	See COC		
6	38860	Glue			
10	38860	Glue			
12	38860	Glue			
18	38860	CB & Glue			
43	38860	Caulk			

For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments

Proscience Analytical Services, Inc.

683 North Mountain Road
Newington, CT 06111
TEM Bulk Chain of Custody Record

Date: 11/16/10

PO#: **C176676** Analysis Type: Chatfield **EPA N.O.B** Qualitative
Client: TRC
Client Job#: 176676.0020.0001
Client Job Ref./Loc.: Kent Memorial Library
Relinquished by: K. Williamson- Kwilliamson@trcsolutions.com
Received by:
Report to: H. Laliberte- Hlaliberte@trcsolutions.com
Samplers Name: M. Grissom

Turn Around Time: <12 Hour **<24 Hour** <48 Hour <3 Day 5 Day Other:

					For Lab Use Only
Client ID #	**Lab ID#**	**Description**	**Location**	**Acceptable on Receipt**	**Comments**
45	38870	Caulk	See COC		
47	38870	Caulk			
49	38870	Caulk			
51	38870	Caulk			
53	38870	Caulk			
55	38870	Glaze			
57	38870	Glaze			

For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments

NT 12248

Proscience Analytical Services, Inc.

683 North Mountain Road
Newington, CT 06111
TEM Bulk Chain of Custody Record

Date: 11/12/10

PO#: **C176676** Analysis Type: Chatfield **EPA N.O.B** Qualitative
Client: TRC
Client Job#: 176676.0020.0001
Client Job Ref./Loc.: Kent Memorial Library
Relinquished by: K. Williamson- Kwilliamson@trcsolutions.com
Received by: 11-15-10 11:35am
Report to: H. Laliberte- Hlaliberte@trcsolutions.com
Samplers Name: E. Hastedt

Turn Around Time: <12 Hour **<24 Hour** <48 Hour <3 Day 5 Day Other:

					For Lab Use Only
Client ID #	**Lab ID#**	**Description**	**Location**	**Acceptable on Receipt**	**Comments**
4	38860	Glue	See COC		
6	38860	Glue			
10	38860	Glue			
12	38860	Glue			
18	38860	CB & Glue			
43	38860	Caulk			

For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments

CTNT1123

Proscience Analytical Services, Inc.

683 North Mountain Road
Newington, CT 06111
TEM Bulk Chain of Custody Record

Date: 11/16/10

PO#: **C176676**
Client: TRC
Client Job#: 176676.0020.0001
Client Job Ref./Loc.: Kent Memorial Library
Relinquished by: K. Williamson- Kwilliamson@trcsolutions.com
Received by:
Report to: H. Laliberte- Hlaliberte@trcsolutions.com
Samplers Name: M. Grissom

Analysis Type: Chatfield **EPA N.O.B** Qualitative

Turn Around Time: <12 Hour **<24 Hour** <48 Hour <3 Day 5 Day Other:

					For Lab Use Only
Client ID #	**Lab ID#**	**Description**	**Location**	**Acceptable on Receipt**	**Comments**
45	38870	Caulk	See COC		
47	38870	Caulk			
49	38870	Caulk			
51	38870	Caulk			
53	38870	Caulk			
55	38870	Glaze			
57	38870	Glaze			

For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments

APPENDIX C

PLM LABORATORY ANALYSIS DATA

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Town of Suffield

Site: Kent Memorial Library, Suffield, CT
Lab Log #: 38860
Project #: 176676.0020.0001
Date Received: 11/12/10
Date Analyzed: 11/12/10

RESULTS

Sample No.	Color	Homogeneous	Multi-Layered	Layer No.	Other Matrix Mat'ls	Asbestos %	Asbestos Type
1	Black (mastic)	No	Yes	1	--	5%	Chrysotile
1	White (tile)	No	Yes	2	--	3%	Chrysotile
2	--	--	--	--	--	NA/PS	--
2	--	--	--	--	--	NA/PS	--
3	--	--	--	--	--	NA/PS	--
3	--	--	--	--	--	NA/PS	--
4	Black	Yes	No	--	--	ND<1%	None
5	Black	Yes	No	--	--	ND<1%	None
6	Yellow	Yes	No	--	--	ND<1%	None
7	Yellow	Yes	No	--	--	ND<1%	None
8	Brown	Yes	No	--	--	3%	Chrysotile
9	--	--	--	--	--	NA/PS	--
10	Yellow	Yes	No	--	--	ND<1%	None
11	Yellow	Yes	No	--	--	ND<1%	None
12	Yellow	Yes	No	--	--	ND<1%	None
13	Yellow	Yes	No	--	--	ND<1%	None
14	Grey	Yes	No	--	--	ND<1%	None
15	Grey	Yes	No	--	--	ND<1%	None
16	Brown	Yes	No	--	--	5%	Chrysotile
17	--	--	--	--	--	NA/PS	--
18	Yellow (glue)	No	Yes	1	--	ND<1%	None

18	White (cove base)	No	Yes	2	--	ND<1%	None
19	Yellow (glue)	No	Yes	1	--	ND<1%	None
19	White (cove base)	No	Yes	2	--	ND<1%	None
20	Yellow (glue)	No	Yes	1	--	ND<1%	None
20	White (cove base)	No	Yes	2	--	ND<1%	None
21	Brown	Yes	No	--	--	3%	Chrysotile
22	--	--	--	--	--	NA/PS	--
23	--	--	--	--	--	NA/PS	--
24	White	Yes	No	--	--	ND<1%	None
25	White	Yes	No	--	--	ND<1%	None
26	White	Yes	No	--	--	ND<1%	None
27	White	Yes	No	--	--	ND<1%	None
28	White	Yes	No	--	--	ND<1%	None
29	White	Yes	No	--	--	ND<1%	None
30	White	Yes	No	--	--	ND<1%	None
31	Grey	Yes	No	--	10% cellulose 30% mineral wool	ND<1%	None
32	Grey	Yes	No	--	10% cellulose 30% mineral wool	ND<1%	None
33	Grey	Yes	No	--	5% cellulose 30% mineral wool	ND<1%	None
34	Grey	Yes	No	--	5% cellulose 30% mineral wool	ND<1%	None
35	Grey	Yes	No	--	30% mineral wool	ND<1%	None
36	Grey	Yes	No	--	30% mineral wool	ND<1%	None
37	Black	Yes	No	--	--	ND<1%	None
38	Black	Yes	No	--	--	ND<1%	None
39	Red	Yes	No	--	--	ND<1%	None
40	Red	Yes	No	--	--	ND<1%	None
41	Beige/Silver	Yes	No	--	80% mineral wool	ND<1%	None
42	Beige/Silver	Yes	No	--	80% mineral wool	ND<1%	None
43	White	Yes	No	--	--	ND<1%	None
44	White	Yes	No	--	--	ND<1%	None

NA/PS- Not Analyzed/Positive Stop

Reporting limit- asbestos present at 1%
ND<1% - asbestos was not detected
Trace- asbestos was observed at level of less than 1%

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, negative results must be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended

Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2011. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2012. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the client.

Analyst: Kathleen Williamson

QC Analyst: Helen Rimsa

Reviewed by: _____
Laboratory Analyst

Approved _____
Signatory: Kathleen Williamson
Laboratory Manager

Date Issued: 11/12/10

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Town of Suffield

Site: Kent Memorial Library, Suffield, CT
Lab Log #: 38870
Project #: 176676.0020.0001
Date Received: 11/16/10
Date Analyzed: 11/16/10

RESULTS

Sample No.	Color	Homogeneous	Multi-Layered	Layer No.	Other Matrix Mat'ls	Asbestos %	Asbestos Type
45	Grey	Yes	No	--	--	ND<1%	None
46	Grey	Yes	No	--	--	ND<1%	None
47	Grey	Yes	No	--	--	ND<1%	None
48	Grey	Yes	No	--	--	ND<1%	None
49	Grey	Yes	No	--	--	ND<1%	None
50	Grey	Yes	No	--	--	ND<1%	None
51	Grey	Yes	No	--	--	ND<1%	None
52	Grey	Yes	No	--	--	ND<1%	None
53	Grey	Yes	No	--	--	ND<1%	None
54	Grey	Yes	No	--	--	ND<1%	None
55	White	Yes	No	--	--	ND<1%	None
56	White	Yes	No	--	--	ND<1%	None
57	White	Yes	No	--	--	ND<1%	None
58	White	Yes	No	--	--	ND<1%	None

NA/PS- Not Analyzed/Positive Stop

Reporting limit- asbestos present at 1%
ND<1% - asbestos was not detected
Trace- asbestos was observed at level of less than 1%

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, negative results must be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended

Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2011. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2012. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the client.

Analyst: Kathleen Williamson

QC Analyst: Kathleen Williamson

Reviewed by: _____
Laboratory Analyst

Approved _____
Kathleen Williamson
Signatory: Laboratory Manager

Date Issued: 11/17/10

APPENDIX D

TEM LABORATORY ANALYSIS DATA

ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801
781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail general@proscience.net

Client Project #: 176676.0020.0001
Client Reference: Kent Memorial Library
PO #: C176676
Client #: 297
Client Name: TRC Environmental Corp. (CT)

Batch: NT 12248
Method: NOB
Date Received: 11/15/2010
Date Analyzed: 11/16/2010
Date of Report: 11/16/2010

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types						% Other	%	%	Total %	Analyzed /	Preped /
					CHR	AMO	ACT	CRO	ANT	TRE	Non-asb.	Organic	Carb.	Asbestos	Charged	Charged
NT93881	4	Black Glue under hard wood floor tiles (G1), 1st Floor Fiction Department		.0192	.05	.00	.00	.00	.00	.00	1.04	54.69	44.27	TR	Yes	No
NT93882	6	Yellow blue between hardwood floor tiles (G2), 1st Floor Fictin Department		.0819	.00	.00	.00	.00	.00	.00	.12	99.51	.37	ND	Yes	No
NT93883	10	Yellow carpet glue (G4), Auditorium		.0158	.19	.00	.00	.00	.00	.00	37.34	52.53	10.13	TR	Yes	No
NT93884	12	Yellow carpet glue under orange carpet (G5), Historical Room		.0303	15.25	.00	.00	.00	.22	.00	28.10	30.36	26.07	15.47	Yes	No
NT93885	18	4" White Cove Base (CB1), Employee Office		.2892	.00	.00	.00	.00	.00	.00	2.11	31.29	66.60	ND	Yes	No
NT93886	18m	Yellow glue, Employee Office		.0697	.00	.00	.00	.00	.00	.00	28.98	61.26	9.76	ND	Yes	No
NT93887	43	White interior window caulk (WC1), Basement Hallway		.2086	.00	.00	.00	.00	.00	.00	34.13	62.18	3.69	ND	Yes	No

Comments:

Key: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite TR = Trace = < 1% ND = None Detected

Aimee L Cormier

Aimee Cormier, Analyst

ProScience Analytical Services, Inc

683 N Mountain Rd • Newington, CT 06111 • Phone (860)-953-1022 • Fax (860)-953-1030 general@proscience.net

Client #: 297
Client Project: 176676-0020-0001
Client Reference: Kent Memorial Library - Suffield, CT
Client Name: TRC Environmental Corp. (CT)

Method: **TEM NOB**
Batch: **CTNT 1123**
Date Analyzed: 11/18/2010
Date Received: 11/17/2010
Date of Report: 11/18/2010

LAB ID	Field ID	Description:	Color	Initial Sample Weight	% Asbestos Types CHR	AMO	ACT	CRO	ANT	TRE	% Other Non-asb.	% Organic	% Carb.	Total % Asbestos	Analyzed /Charged	Preped/ Charged
NT7665	45	Caulk		.2186	.00	.00	.00	.00	.00	.00	15.83	81.15	3.02	ND	Yes	No
NT7666	47	Caulk		.0342	.00	.00	.00	.00	.00	.00	18.13	56.14	25.73	ND	Yes	No
NT7667	49	Caulk		.0858	.00	.00	.00	.00	.00	.00	17.83	54.55	27.62	ND	Yes	No
NT7668	51	Caulk		.0425	.00	.00	.00	.00	.00	.00	22.35	53.41	24.24	ND	Yes	No
NT7669	53	Caulk		.1794	.00	.00	.00	.00	.00	.00	14.04	53.96	32.00	ND	Yes	No
NT7670	55	Glaze		.1932	.00	.00	.00	.00	.00	.00	34.11	57.45	8.44	ND	Yes	No
NT7671	57	Glaze		.5087	.00	.00	.00	.00	.00	.00	16.21	72.62	11.17	ND	Yes	No

Comments:

Mark Derosier, Analyst

Asbestos Codes: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite TR = Trace = < 1% ND = None Detected

APPENDIX E

LEAD PAINT XRF MEASUREMENT TABLE

Lead Based Paint Measurement Summary Table

Device(s):	Niton 7007 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #V1044
	Niton XL-309 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #U688
Site:	Kent Memorial Library, Suffield, CT
Project # :	176676.0020.00001
Date(s):	11/10/2010
Inspector:	Eric Hastedt (State of Connecticut License No. 002211)
Ranges:	(NEG<INC<POS): 0.0<0.05<0.05 (OSHA Compliance)

Number	Room/Floor	Side	Structure	Feature	Material	Color	Condition	Result	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
								...					
1	Shutter calibration							...	5.66	0		60.13	11/10/2010 10:49
2	Calibration							...	1.1	0.1	1.18	13.33	11/10/2010 10:51
3	Calibration							...	1	0.1	1.11	25.06	11/10/2010 10:52
4	Calibration							...	1.1	0.1	1.14	20.28	11/10/2010 10:52
5	genealogy/floor 3	A	Wall		Brick	White	INTACT	Positive	0.01	0.02	3.67	11.68	11/10/2010 10:58
6	genealogy/floor 3	B	Wall		Brick	White	INTACT	Positive	0.14	0.05	3.89	12.79	11/10/2010 10:59
7	genealogy/floor 3	--	Ceiling		Concrete	White	INTACT	Positive	1	0.6	8.34	10.09	11/10/2010 11:01
8	genealogy/floor 3	--	Ceiling		Concrete	White	INTACT	Negative	0	0.02	1.02	13.85	11/10/2010 11:01
9	psychology 100s/floor 3	D	Wall		Brick	White	INTACT	Positive	0.07	0.04	3.49	12.77	11/10/2010 11:03
10	psychology 100s/floor 3	--	Ceiling		Concrete	White	INTACT	Positive	0.01	0.02	5.62	10.09	11/10/2010 11:04
11	psychology 100s/floor 3	--	Railing		Metal	White	INTACT	Positive	0.12	0.04	2.62	9.1	11/10/2010 11:05
12	psychology 100s/floor 3	C	Column		Concrete	White	INTACT	Positive	0.01	0.03	4.18	5.31	11/10/2010 11:06
13	health 600s/floor 2	B	Wall		Brick	White	INTACT	Positive	0.6	0.1	7.61	23.45	11/10/2010 11:08
14	health 600s/floor 2	D	Wall		Brick	White	INTACT	Positive	0.2	0.06	2.79	9.55	11/10/2010 11:09
15	health 600s/floor 2	--	Ceiling		Concrete	White	INTACT	Negative	0	0.02	1	2.14	11/10/2010 11:09
16	health 600s/floor 2	--	Ceiling		Concrete	White	INTACT	Positive	0.01	0.03	4.68	6.37	11/10/2010 11:10
17	health 600s/floor 2	A	Railing		Metal	White	INTACT	Positive	0.05	0.03	1.84	6.39	11/10/2010 11:10
18	jj picture books/floor 2	A	Wall		Brick	White	INTACT	Positive	0.18	0.06	2.58	9.07	11/10/2010 11:18
19	jj picture books/floor 2	B	Wall		Brick	White	INTACT	Positive	0.02	0.02	2.33	8.01	11/10/2010 11:18
20	jj picture books/floor 2	C	Column		Concrete	White	INTACT	Positive	0.01	0.02	3.13	8.55	11/10/2010 11:19
21	jj picture books/floor 2	--	Ceiling		Concrete	White	INTACT	Negative	0	0.02	2.23	7.43	11/10/2010 11:20
22	jj picture books/floor 2	D	Railing		Metal	White	INTACT	Positive	0.05	0.03	1.87	6.94	11/10/2010 11:21
23	jj picture books/floor 2	D	Wall		Brick	White	INTACT	Positive	0.01	0.02	2.47	9.11	11/10/2010 11:21
24	jj picture books/floor 2	B	Wall		Concrete	White	INTACT	Negative	0	0.02	1.42	6.92	11/10/2010 11:22
25	fiction/floor 1	B	Wall		Concrete	White	INTACT	Negative	0	0.02	1.25	8.52	11/10/2010 11:23
26	fiction/floor 1	B	Wall		Metal	White	INTACT	Positive	0.04	0.03	2.02	6.35	11/10/2010 11:23
27	fiction/floor 1	B	Wall		Brick	White	INTACT	Positive	0.01	0.02	3.58	9.06	11/10/2010 11:24

All XRF readings <0.1 mg/cm2 = Below Detectable Levels (BDL)

Side A = Street side; Sides B,C,D follow clockwise

Lead Based Paint Measurement Summary Table

Device(s):	Niton 7007 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #V1044
	Niton XL-309 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #U688
Site:	Kent Memorial Library, Suffield, CT
Project # :	176676.0020.00001
Date(s):	11/10/2010
Inspector:	Eric Hastedt (State of Connecticut License No. 002211)
Ranges:	(NEG<INC<POS): 0.0<0.05<0.05 (OSHA Compliance)

Number	Room/Floor	Side	Structure	Feature	Material	Color	Condition	Result	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
28	fiction/floor 1	B	Window	Casing	Metal	White	INTACT	Positive	0.02	0.02	1.05	4.79	11/10/2010 11:24
29	fiction/floor 1	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1	15.46	11/10/2010 11:25
30	fiction/floor 1	D	Wall	--	Concrete	White	INTACT	Positive	0.04	0.03	3.53	12.23	11/10/2010 11:26
31	fiction/floor 1	--	Railing	--	Metal	White	INTACT	Positive	0.06	0.02	1.61	9.08	11/10/2010 11:26
32	videos/floor 1	D	Wall	--	Brick	White	INTACT	Positive	0.02	0.02	2.15	4.83	11/10/2010 11:27
33	videos/floor 1	D	Railing	--	Metal	White	INTACT	Positive	0.08	0.04	2.51	9.04	11/10/2010 11:28
34	videos/floor 1	D	Stair	Tread	Metal	White	DEFECTIVE	Positive	0.04	0.03	2.74	5.35	11/10/2010 11:29
35	videos/floor 1	D	Wall	--	Concrete	White	INTACT	Positive	0.01	0.02	4.28	9.55	11/10/2010 11:29
36	videos/floor 1	D	Window	Trimwork	Wood	White	INTACT	Positive	0.02	0.03	1	1.59	11/10/2010 11:31
37	videos/floor 1	D	Window	Trimwork	Wood	White	INTACT	Positive	0.5	0.4	1.35	7.99	11/10/2010 11:32
38	videos/floor 1	D	Window	Trimwork	Wood	White	INTACT	Positive	0.02	0.02	1.41	12.77	11/10/2010 11:32
39	videos/floor 1	--	Ceiling	--	Concrete	White	INTACT	Positive	1.3	0.3	4.35	21.35	11/10/2010 12:04
40	videos/floor 1	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1.2	18.11	11/10/2010 12:05
41	videos/floor 1	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1.78	22.92	11/10/2010 12:05
42	new non fiction/floor 1	C	Wall	--	Brick	White	INTACT	Negative	0	0.02	1	4.8	11/10/2010 12:09
43	new non fiction/floor 1	A	Column	--	Concrete	White	INTACT	Negative	0	0.02	1.19	5.88	11/10/2010 12:09
44	new non fiction/floor 1	A	Window	Casing	Metal	White	INTACT	Positive	0.02	0.02	1.05	6.94	11/10/2010 12:10
45	new non fiction/floor 1	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1.56	5.89	11/10/2010 12:10
46	new non fiction/floor 1	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1	3.2	11/10/2010 12:11
47	new non fiction/floor 1	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1	11.71	11/10/2010 12:11
48	new non fiction/floor 1	--	Ceiling	--	Concrete	White	INTACT	Positive	1.5	0.4	2.03	15.96	11/10/2010 12:12
49	new non fiction/floor 1	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1.9	21.81	11/10/2010 12:13
50	rear entry/floor 1	B	Wall	--	Brick	White	INTACT	Positive	0.2	0.09	4.15	7.43	11/10/2010 12:14
51	rear entry/floor 1	--	Door	--	Metal	White	DEFECTIVE	Negative	-0.37	0.71	3.12	3.73	11/10/2010 12:14
52	rear entry/floor 1	--	Door	--	Metal	White	DEFECTIVE	Negative	0	0.02	1	4.28	11/10/2010 12:15
53	rear entry/floor 1	C	Window	Casing	Metal	White	DEFECTIVE	Positive	0.02	0.02	1.06	4.8	11/10/2010 12:15
54	rear entry/floor 1	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1	8.55	11/10/2010 12:17
55	employee offices/bsmt.	A	Wall	--	Concrete	White	INTACT	Positive	0.02	0.02	3.62	7.96	11/10/2010 12:18

All XRF readings <0.1 mg/cm2 = Below Detectable Levels (BDL)

Side A = Street side; Sides B,C,D follow clockwise

Lead Based Paint Measurement Summary Table

Device(s):	Niton 7007 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #V1044
	Niton XL-309 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #U688
Site:	Kent Memorial Library, Suffield, CT
Project # :	176676.0020.00001
Date(s):	11/10/2010
Inspector:	Eric Hastedt (State of Connecticut License No. 002211)
Ranges:	(NEG<INC<POS): 0.0<0.05<0.05 (OSHA Compliance)

Number	Room/Floor	Side	Structure	Feature	Material	Color	Condition	Result	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
56	employee offices/bsmt.	D	Column	--	Concrete	White	INTACT	Negative	0	0.02	1	5.34	11/10/2010 12:19
57	employee offices/bsmt.	D	Door	--	Metal	White	INTACT	Negative	0	0.02	1	3.75	11/10/2010 12:19
58	employee offices/bsmt.	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1.76	10.68	11/10/2010 12:20
59	employee bath rm/bsmt.	A	Wall	--	Concrete	White	INTACT	Negative	0	0.02	1	5.32	11/10/2010 12:20
60	employee bath rm/bsmt.	B	Wall	--	Concrete	White	INTACT	Positive	0.01	0.02	3.09	9.04	11/10/2010 12:21
61	employee bath rm/bsmt.	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1	4.26	11/10/2010 12:21
62	employee bath rm/bsmt.	C	Door	--	Metal	White	INTACT	Positive	0.02	0.02	1.05	6.4	11/10/2010 12:22
63	employee bath rm/bsmt.	C	Door	Jamb	Metal	White	INTACT	Positive	0.03	0.02	1.12	4.77	11/10/2010 12:22
64	employee bath rm/bsmt.	C	Door	Stop	Metal	White	INTACT	Positive	0.04	0.02	1.38	4.78	11/10/2010 12:22
65	employee break rm/bsmt.	A	Wall	Stop	Concrete	White	INTACT	Positive	0.01	0.02	2.47	8.52	11/10/2010 12:23
66	employee break rm/bsmt.	C	Wall	Stop	Concrete	White	INTACT	Negative	0	0.02	1.51	12.26	11/10/2010 12:23
67	employee break rm/bsmt.	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1	11.18	11/10/2010 12:24
68	hall 1/bsmt.	C	Wall	--	Brick	White	INTACT	Positive	0.02	0.02	2.68	6.4	11/10/2010 12:26
69	librarian office/bsmt.	D	Wall	--	Brick	White	INTACT	Negative	0	0.02	1	4.78	11/10/2010 12:27
70	librarian office/bsmt.	A	Wall	--	Brick	White	INTACT	Positive	0.09	0.04	2.9	9.58	11/10/2010 12:27
71	librarian office/bsmt.	D	Door	--	Metal	White	INTACT	Positive	0.01	0.02	1	5.88	11/10/2010 12:27
72	librarian office/bsmt.	D	Door	Jamb	Metal	White	INTACT	Positive	0.02	0.02	1	5.32	11/10/2010 12:28
73	librarian office/bsmt.	--	Ceiling	--	Concrete	White	INTACT	Positive	0.01	0.02	2.43	13.82	11/10/2010 12:28
74	auditorium/bsmt.	C	Wall	--	Concrete	White	INTACT	Positive	0.01	0.02	2.62	4.24	11/10/2010 12:29
75	auditorium/bsmt.	A	Wall	--	Concrete	White	INTACT	Positive	0.01	0.02	2.58	13.82	11/10/2010 12:30
76	auditorium/bsmt.	D	Door	--	Wood	White	INTACT	Positive	0.01	0.02	1	2.68	11/10/2010 12:31
77	auditorium/bsmt.	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1.48	12.24	11/10/2010 12:31
78	gallery/bsmt.	A	Wall	--	Block	White	INTACT	Negative	0	0.02	1.94	4.82	11/10/2010 12:32
79	gallery/bsmt.	B	Wall	--	Block	White	INTACT	Negative	0	0.02	1	4.77	11/10/2010 12:32
80	gallery/bsmt.	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1.02	6.93	11/10/2010 12:37
81	boiler rm/bsmt.	--	Ceiling	--	Concrete	Black	DEFECTIVE	Negative	0	0.02	1	6.4	11/10/2010 12:38
82	boiler rm/bsmt.	B	Door	--	Metal	White	DEFECTIVE	Negative	0	0.02	1	2.66	11/10/2010 12:39
83	boiler rm/bsmt.	B	Door	Casing	Metal	White	DEFECTIVE	Positive	0.04	0.03	1.73	6.4	11/10/2010 12:39

All XRF readings <0.1 mg/cm2 = Below Detectable Levels (BDL)

Side A = Street side; Sides B,C,D follow clockwise

Lead Based Paint Measurement Summary Table

Device(s):	Niton 7007 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #V1044
	Niton XL-309 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #U688
Site:	Kent Memorial Library, Suffield, CT
Project # :	176676.0020.00001
Date(s):	11/10/2010
Inspector:	Eric Hastedt (State of Connecticut License No. 002211)
Ranges:	(NEG<INC<POS): 0.0<0.05<0.05 (OSHA Compliance)

Number	Room/Floor	Side	Structure	Feature	Material	Color	Condition	Result	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
84	boiler rm/bsmt.	--	Ceiling	--	Concrete	Green	DEFECTIVE	Negative	0	0.02	1.25	4.26	11/10/2010 12:40
85	front entry way/bsmt.	D	Wall	--	Brick	White	INTACT	Positive	0.01	0.02	2.29	6.38	11/10/2010 12:42
86	front entry way/bsmt.	B	Wall	--	Brick	White	INTACT	Positive	0.01	0.02	1.55	8.55	11/10/2010 12:43
87	front entry way/bsmt.	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1	6.92	11/10/2010 12:43
88	mens bath rm/bsmt.	B	Wall	--	Brick	Orange	INTACT	Positive	0.21	0.07	4.84	13.27	11/10/2010 12:45
89	mens bath rm/bsmt.	A	Wall	--	Brick	Orange	INTACT	Positive	1.5	0.3	5.74	28.77	11/10/2010 12:46
90	mens bath rm/bsmt.	D	Wall	--	Brick	Orange	INTACT	Positive	0.03	0.03	3.2	9.04	11/10/2010 12:46
91	mens bath rm/bsmt.	D	Door	--	Metal	Orange	INTACT	Negative	0	0.02	1	2.67	11/10/2010 12:47
92	mens bath rm/bsmt.	--	Ceiling	--	Concrete	White	INTACT	Positive	0	0.02	1.56	10.1	11/10/2010 12:47
93	mens bath rm/bsmt.	C	Door	--	Metal	White	INTACT	Positive	0.03	0.03	2.04	4.76	11/10/2010 12:48
94	womens bath rm/bsmt.	D	Wall	--	Brick	White	INTACT	Positive	0.03	0.03	3.51	7.46	11/10/2010 12:49
95	womens bath rm/bsmt.	A	Wall	--	Brick	Orange	INTACT	Positive	3.1	1	10	4.81	11/10/2010 12:49
96	womens bath rm/bsmt.	C	Wall	--	Brick	Orange	INTACT	Positive	0.01	0.02	1.71	4.8	11/10/2010 12:50
97	womens bath rm/bsmt.	D	Door	--	Metal	Orange	INTACT	Positive	0.01	0.02	4.08	8.52	11/10/2010 12:50
98	womens bath rm/bsmt.	C	Door	--	Metal	Orange	INTACT	Positive	0.04	0.03	6.9	20.86	11/10/2010 12:51
99	womens bath rm/bsmt.	--	Ceiling	--	Concrete	White	INTACT	Negative	0	0.02	1.2	4.79	11/10/2010 12:51
100	DWELLING/exterior	A	Wall	--	Brick	White	INTACT	Positive	0.2	0.1	3.79	5.3	11/10/2010 12:53
101	DWELLING/exterior	D	Wall	--	Brick	White	INTACT	Positive	0.3	0.1	4.21	9.55	11/10/2010 12:54
102	DWELLING/exterior	D	Window	Casing	Wood	White	INTACT	Positive	0.01	0.02	4.02	15.99	11/10/2010 12:54
103	DWELLING/exterior	C	Door gated	--	Metal	White	DEFECTIVE	Positive	0.02	0.02	1.7	6.41	11/10/2010 12:56
104	DWELLING/exterior	C	Door gated	Casing	Metal	White	DEFECTIVE	Positive	0.03	0.02	2.21	6.96	11/10/2010 12:56
105	DWELLING/exterior	C	Wall	--	Brick	White	INTACT	Positive	0.3	0.1	3.5	8.5	11/10/2010 12:56
106	DWELLING/exterior	C	Railing	--	Metal	White	INTACT	Negative	0	0.02	1	2.67	11/10/2010 12:57
107	DWELLING/exterior	C	Door	--	Metal	White	INTACT	Positive	0.01	0.02	2.79	9.08	11/10/2010 12:57
108	DWELLING/exterior	C	Window	Casing	Wood	White	DEFECTIVE	Positive	0.03	0.03	2.12	5.33	11/10/2010 12:58
109	DWELLING/exterior	B	Wall	--	Brick	White	INTACT	Positive	0.05	0.03	2.7	14.41	11/10/2010 12:58
110	DWELLING/exterior	B	Window	Casing	Wood	White	INTACT	Negative	0	0.03	1	1.06	11/10/2010 12:59
111	DWELLING/exterior	B	Window	Casing	Wood	White	INTACT	Negative	0	0.02	1	4.26	11/10/2010 12:59

All XRF readings <0.1 mg/cm2 = Below Detectable Levels (BDL)

Side A = Street side; Sides B,C,D follow clockwise

Lead Based Paint Measurement Summary Table

Device(s):	Niton 7007 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #V1044
	Niton XL-309 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #U688
Site:	Kent Memorial Library, Suffield, CT
Project # :	176676.0020.00001
Date(s):	11/10/2010
Inspector:	Eric Hastedt (State of Connecticut License No. 002211)
Ranges:	(NEG<INC<POS): 0.0<0.05<0.05 (OSHA Compliance)

Number	Room/Floor	Side	Structure	Feature	Material	Color	Condition	Result	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
112	DWELLING/exterior	B	Upper trim/facia	--	Concrete	White	INTACT	Positive	0.01	0.02	3.13	21.36	11/10/2010 13:01
113	DWELLING/exterior	C	Upper trim/facia	--	Concrete	White	INTACT	Positive	0.01	0.03	4.3	8.54	11/10/2010 13:02
114	DWELLING/exterior	D	Upper trim/facia	--	Concrete	White	INTACT	Negative	0	0.02	1.49	3.21	11/10/2010 13:02
115	DWELLING/exterior	D	Upper trim/facia	--	Concrete	White	INTACT	Positive	0.01	0.03	3.6	4.8	11/10/2010 13:03
116	DWELLING/exterior	A	Upper trim/facia	--	Concrete	White	INTACT	Positive	0.01	0.02	2.09	6.43	11/10/2010 13:03
117	Calibration	--	--	--	--				1.1	0.1	1.13	11.22	11/10/2010 13:06
118	Calibration	--	--	--	--				1	0.1	1.13	21.89	11/10/2010 13:06
119	Calibration	--	--	--	--				1	0.1	1.11	21.31	11/10/2010 13:07

All XRF readings <0.1 mg/cm2 = Below Detectable Levels (BDL)

Side A = Street side; Sides B,C,D follow clockwise

APPENDIX F

PCB LABORATORY ANALYSIS DATA

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

November 16, 2010

Henry LaLiberte
TRC Environmental - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: Kent Library, Suffield, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 10K0403

Enclosed are results of analyses for samples received by the laboratory on November 10, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom

Holly L. Folsom
Project Manager

con-test®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Environmental - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Henry LaLiberte

REPORT DATE: 11/16/2010

PURCHASE ORDER NUMBER: 20605

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10K0403

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Library, Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1	10K0403-01	Caulk	Side A Wall Caulk Exterior	SW-846 8082	
2	10K0403-02	Caulk	Side A Bldg Seam Caulk Exterior	SW-846 8082	
3	10K0403-03	Caulk	Side C Window Caulk Exterior	SW-846 8082	
4	10K0403-04	Caulk	Side B Interior Window Caulk	SW-846 8082	
6	10K0403-05	Caulk	Wall Caulk Office Exit Door D Side	SW-846 8082	

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

10K0403-01RE1[1], 10K0403-03RE1[3], 10K0403-04RE1[4], 10K0403-05RE1[6]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library, Suffield, CT Sample Description: Side A Wall Caulk Exterior Work Order: 10K0403

Date Received: 11/10/2010

Field Sample #: 1 Sampled: 11/10/2010 00:00

Sample ID: 10K0403-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9700	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 11:34	PJG
Aroclor-1221 [1]	ND	9700	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 11:34	PJG
Aroclor-1232 [1]	ND	9700	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 11:34	PJG
Aroclor-1242 [1]	ND	9700	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 11:34	PJG
Aroclor-1248 [1]	ND	9700	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 11:34	PJG
Aroclor-1254 [2]	190000	9700	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 11:34	PJG
Aroclor-1260 [1]	ND	9700	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 11:34	PJG
Aroclor-1262 [1]	ND	9700	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 11:34	PJG
Aroclor-1268 [1]	ND	9700	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 11:34	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	11/16/10 11:34
Decachlorobiphenyl [2]	*	30-150	S-01	11/16/10 11:34
Tetrachloro-m-xylene [1]	*	30-150	S-01	11/16/10 11:34
Tetrachloro-m-xylene [2]	*	30-150	S-01	11/16/10 11:34

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ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library, Suffield, CT
Sample Description: Side A Bldg Seam Caulk Exterior
Work Order: 10K0403
Date Received: 11/10/2010
Field Sample #: 2
Sampled: 11/10/2010 00:00
Sample ID: 10K0403-02
Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg	10		SW-846 8082	11/15/10	11/16/10 11:49	PJG
Aroclor-1221 [1]	ND	1.9	mg/Kg	10		SW-846 8082	11/15/10	11/16/10 11:49	PJG
Aroclor-1232 [1]	ND	1.9	mg/Kg	10		SW-846 8082	11/15/10	11/16/10 11:49	PJG
Aroclor-1242 [1]	ND	1.9	mg/Kg	10		SW-846 8082	11/15/10	11/16/10 11:49	PJG
Aroclor-1248 [1]	ND	1.9	mg/Kg	10		SW-846 8082	11/15/10	11/16/10 11:49	PJG
Aroclor-1254 [2]	39	1.9	mg/Kg	10		SW-846 8082	11/15/10	11/16/10 11:49	PJG
Aroclor-1260 [1]	ND	1.9	mg/Kg	10		SW-846 8082	11/15/10	11/16/10 11:49	PJG
Aroclor-1262 [1]	ND	1.9	mg/Kg	10		SW-846 8082	11/15/10	11/16/10 11:49	PJG
Aroclor-1268 [1]	ND	1.9	mg/Kg	10		SW-846 8082	11/15/10	11/16/10 11:49	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	129	30-150		11/16/10 11:49
Decachlorobiphenyl [2]	123	30-150		11/16/10 11:49
Tetrachloro-m-xylene [1]	96.6	30-150		11/16/10 11:49
Tetrachloro-m-xylene [2]	97.2	30-150		11/16/10 11:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library, Suffield, CT Sample Description: Side C Window Caulk Exterior Work Order: 10K0403

Date Received: 11/10/2010

Field Sample #: 3 Sampled: 11/10/2010 00:00

Sample ID: 10K0403-03

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:03	PJG
Aroclor-1221 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:03	PJG
Aroclor-1232 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:03	PJG
Aroclor-1242 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:03	PJG
Aroclor-1248 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:03	PJG
Aroclor-1254 [2]	160000	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:03	PJG
Aroclor-1260 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:03	PJG
Aroclor-1262 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:03	PJG
Aroclor-1268 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:03	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	11/16/10 12:03
Decachlorobiphenyl [2]	*	30-150	S-01	11/16/10 12:03
Tetrachloro-m-xylene [1]	*	30-150	S-01	11/16/10 12:03
Tetrachloro-m-xylene [2]	*	30-150	S-01	11/16/10 12:03

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library, Suffield, CT Sample Description: Side B Interior Window Caulk Work Order: 10K0403

Date Received: 11/10/2010

Field Sample #: 4 Sampled: 11/10/2010 00:00

Sample ID: 10K0403-04

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:18	PJG
Aroclor-1221 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:18	PJG
Aroclor-1232 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:18	PJG
Aroclor-1242 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:18	PJG
Aroclor-1248 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:18	PJG
Aroclor-1254 [2]	130000	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:18	PJG
Aroclor-1260 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:18	PJG
Aroclor-1262 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:18	PJG
Aroclor-1268 [1]	ND	9500	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	11/16/10 12:18
Decachlorobiphenyl [2]	*	30-150	S-01	11/16/10 12:18
Tetrachloro-m-xylene [1]	*	30-150	S-01	11/16/10 12:18
Tetrachloro-m-xylene [2]	*	30-150	S-01	11/16/10 12:18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library, Suffield, CT
Sample Description: Wall Caulk Office Exit Door D Side
Work Order: 10K0403
Date Received: 11/10/2010
Field Sample #: 6
Sampled: 11/10/2010 00:00
Sample ID: 10K0403-05
Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9800	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:32	PJG
Aroclor-1221 [1]	ND	9800	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:32	PJG
Aroclor-1232 [1]	ND	9800	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:32	PJG
Aroclor-1242 [1]	ND	9800	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:32	PJG
Aroclor-1248 [1]	ND	9800	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:32	PJG
Aroclor-1254 [2]	220000	9800	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:32	PJG
Aroclor-1260 [1]	ND	9800	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:32	PJG
Aroclor-1262 [1]	ND	9800	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:32	PJG
Aroclor-1268 [1]	ND	9800	mg/Kg	50000		SW-846 8082	11/15/10	11/16/10 12:32	PJG

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	11/16/10 12:32
Decachlorobiphenyl [2]	*	30-150	S-01	11/16/10 12:32
Tetrachloro-m-xylene [1]	*	30-150	S-01	11/16/10 12:32
Tetrachloro-m-xylene [2]	*	30-150	S-01	11/16/10 12:32

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10K0403-01RE1 [1]	B022332	0.515	10.0	11/15/10
10K0403-02RE1 [2]	B022332	0.516	10.0	11/15/10
10K0403-03RE1 [3]	B022332	0.527	10.0	11/15/10
10K0403-04RE1 [4]	B022332	0.528	10.0	11/15/10
10K0403-05RE1 [6]	B022332	0.508	10.0	11/15/10

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B022332 - SW-846 3540C										
Blank (B022332-BLK1)				Prepared: 11/15/10 Analyzed: 11/16/10						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.76*		mg/Kg	4.00		94.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.49*		mg/Kg	4.00		112	30-150			
Surrogate: Tetrachloro-m-xylene	*4.04*		mg/Kg	4.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.16*		mg/Kg	4.00		104	30-150			
LCS (B022332-BS1)				Prepared: 11/15/10 Analyzed: 11/16/10						
Aroclor-1016	1.1	0.20	mg/Kg	1.00		114	40-140			
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		112	40-140			
Aroclor-1260	1.1	0.20	mg/Kg	1.00		109	40-140			
Aroclor-1260 [2C]	1.1	0.20	mg/Kg	1.00		115	40-140			
Surrogate: Decachlorobiphenyl	*3.87*		mg/Kg	4.00		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.59*		mg/Kg	4.00		115	30-150			
Surrogate: Tetrachloro-m-xylene	*4.10*		mg/Kg	4.00		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.26*		mg/Kg	4.00		107	30-150			
LCS Dup (B022332-BSD1)				Prepared: 11/15/10 Analyzed: 11/16/10						
Aroclor-1016	1.1	0.20	mg/Kg	1.00		108	40-140	5.46	30	
Aroclor-1016 [2C]	1.1	0.20	mg/Kg	1.00		115	40-140	2.30	30	
Aroclor-1260	1.1	0.20	mg/Kg	1.00		108	40-140	0.576	30	
Aroclor-1260 [2C]	1.1	0.20	mg/Kg	1.00		115	40-140	0.0750	30	
Surrogate: Decachlorobiphenyl	*3.80*		mg/Kg	4.00		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.52*		mg/Kg	4.00		113	30-150			
Surrogate: Tetrachloro-m-xylene	*4.11*		mg/Kg	4.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.28*		mg/Kg	4.00		107	30-150			

con-test®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

10K0403

Page ____

Company Name: TRC Solutions
Address: 21 Griffin Rd North, Windsor CT 06095
Attention: Henry laliberte 860 798 5689
Project Location: Kent Library Suffield CT
Sampled By: Maureen Grissom

Telephone: (860) 798 5689
Project #
Client PO #

DATA DELIVERY (check one): ☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax #:
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes ____ proposal date
State Form Required? ☐ yes ☐ no

ANALYSIS REQUESTED: PCB 8082/3540

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCB 8082/3540
1	Side A Wall Caulk exterior	-01	11/10/10			✓			✓
2	Side A Bldg Seam Caulk Exterior	-02	11/10/10						
3	Side C Window Caulk exterior	-03	11/10/10						
4	Side B Interior Window Caulk	-04	11/10/10						
5	~~Side B Interior Caulk~~ VOID MG Wall Garden		11/10/10						
6	Office Exit door D Side wall caulk	-05	11/10/10						✓

# of containers	**Preservation	~Cont. Code

~Cont. Code: A=amber glass, G=glass, P=plastic, ST=sterile, V=vial, S=summa can, T=tedlar bag, O=Other

Client Comments:

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Maureen [signature]	11/10/10 1915
Received by: (signature) [signature] 14.4°C	11/10/10 1915
Relinquished by: (signature)	
Received by: (signature) [signature]	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 5day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations?
Data Enhancement Project/RCP? ☐ Y ☐ N
Special Requirements or DL's:

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

www.contestlabs.com

con-test ANALYTICAL LABORATORY

Sample Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME: TRC RECEIVED BY: PB DATE: 11/10/10

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) How were the samples received:
On Ice ☐ Direct from Sampling ☒ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 14.4

5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (No) Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	5
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A _____

Do all samples have the proper Base pH: Yes No N/A _____

APPENDIX G

TRC INSPECTOR/LABORATORY CERTIFICATIONS

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS LICENSED BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT - INSPECTOR

MAUREEN GRISSOM

LICENSE NO.
000663
CURRENT THROUGH
01/31/10
VALIDATION NO.
03-796747

SIGNATURE

COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
MAUREEN GRISSOM

VALIDATION NO.	LICENSE NO.	CURRENT THROUGH
03-796747	000663	01/31/10

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE

COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Maureen Grissom

has successfully completed the
Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763

conducted by

ATC Associates Inc.
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Principal Instructor

December 17, 2009
Date of Course

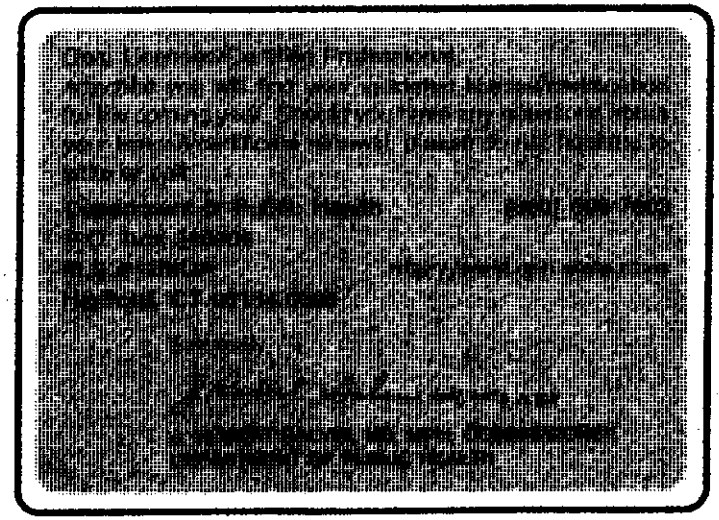
December 17, 2010
Expiration Date

Regional Manager

SIAR-3327
Certificate Number

December 17, 2009
Examination Date

0009677 FP **PRSRT T6 0 0804 06482
ERIC J. HASTEDT
11 SAND HILL ROAD
SANDY HOOK CT 06482



INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT,
THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT-INSPECTOR

ERIC J. HASTEDT

LICENSE NO.
000693
CURRENT THROUGH
04/30/11
VALIDATION NO.
03-034047

SIGNATURE COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
ERIC J. HASTEDT

VALIDATION NO.	LICENSE NO.	CURRENT THROUGH
03-034047	000693	04/30/11

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
ERIC J. HASTEDT

VALIDATION NO.	LICENSE NO.	CURRENT THROUGH
03-034047	000693	04/30/11

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Eric Hastedt

has successfully completed the

Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763

conducted by

ATC Associates Inc.
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Edward Kolodziej

Principal Instructor

September 23, 2010

Date of Course

September 23, 2011

Expiration Date

Gregory J. Morash

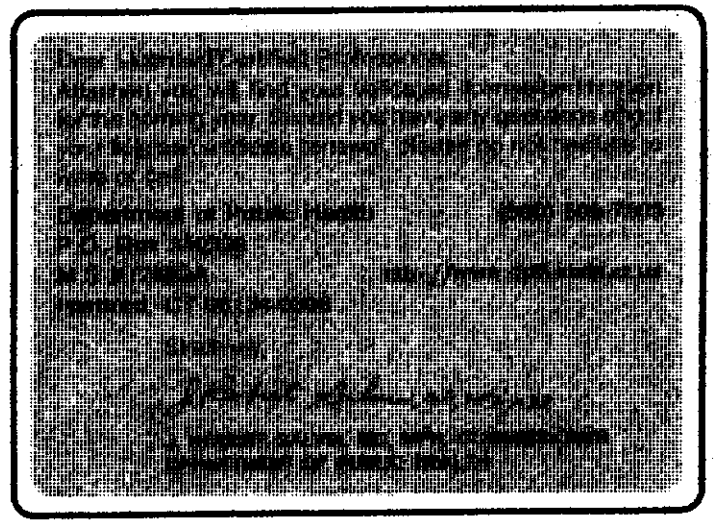
Regional Manager

SIAR - 3583

Certificate Number

September 23, 2010

Examination Date



0009880 FP **PRSRT T5 0 0884 08482
ERIC J. HASTEDT
11 SAND HILL ROAD
SANDY HOOK CT 06482

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
LEAD INSPECTOR RISK ASSESSOR

ERIC J. HASTEDT

CERTIFICATION NO.
002211
CURRENT THROUGH
04/30/11
VALIDATION NO.
03-034020

SIGNATURE COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
ERIC J. HASTEDT

VALIDATION NO.	CERTIFICATION NO.	CURRENT THROUGH
03-034020	002211	04/30/11

PROFESSION
LEAD INSPECTOR RISK ASSESSOR

SIGNATURE COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
ERIC J. HASTEDT

VALIDATION NO.	CERTIFICATION NO.	CURRENT THROUGH
03-034020	002211	04/30/11

PROFESSION
LEAD INSPECTOR RISK ASSESSOR

SIGNATURE COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Eric Hastedt

11 Sand Hill Road, Sandy Hook, CT 06482

000-00-8990

has successfully completed the

INSPECTOR RISK ASSESSOR REFRESHER

Training Course
conducted by
ATC Associates Inc.
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Principal Instructor

May 28, 2010
Date of Course

May 28, 2010
Exam Date

ELIRAR-261
Certificate Number

May 28, 2011
Expiration Date

Training Manager

Training received complies with the requirements of the Connecticut Department of Public Health pursuant to Section 2[illegible] 477 of the Connecticut General Statutes.

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

TRC ENVIRONMENTAL CORPORATION

LOCATED AT 21 Griffin Road North IN Windsor, CT 06095

AND REGISTERED IN THE NAME OF Erik Plimpton

THIS CERTIFICATE IS ISSUED IN THE NAME OF Kathleen Williamson WHO HAS BEEN DESIGNATED BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

ASBESTOS
AIR-FIBER COUNTING - PCM
BULK IDENTIFICATION - PLM

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES December 31, 2011 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 2nd DAY OF December 2009

Registration No.

PH- 0426

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101424-0

TRC Environmental Corporation

Windsor, CT

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2010-07-01 through 2011-06-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

NVLAP® **National Voluntary Laboratory Accreditation Program**

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TRC Environmental Corporation
21 Griffin Road North
Windsor, CT 06095
Ms. Kathleen Williamson
Phone: 860-298-6392 Fax: 860-298-6214
E-Mail: kwilliamson@trcsolutions.com
URL: http://www.trcsolutions.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 101424-0**

NVLAP Code	***Designation / Description***
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2010-07-01 through 2011-06-30
Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology

AIHA

Laboratory Accreditation Programs, LLC

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

TRC Environmental Corporation

21 Griffin Road North, Windsor, CT 06095

Laboratory ID: 100122

has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC thereby conforming to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories.* The above named laboratory, along with all premises from which key activities are performed, as listed above, have been accredited by AIHA-LAP, LLC in the following:

LABORATORY ACCREDITATION PROGRAMS

✓	INDUSTRIAL HYGIENE	Accreditation Expires: 10/01/2012
☐	ENVIRONMENTAL LEAD	Accreditation Expires:
☐	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires:
☐	FOOD	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with AIHA-LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current scope of accreditation.

Dave Sandusky

Dave Sandusky, CIH
Chairperson, Analytical Accreditation Board

Date Issued: 10/01/2010

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

TRC Environmental Corporation
21 Griffin Road North, Windsor, CT 06095

Laboratory ID: 100122
Issue Date: 10/01/2010

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or revocation. A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 09/01/1984

IHLAP Scope Category	Field of Testing (FoT)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte *(for internal methods only)*
Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)		EPA/600/R-93/116	
	Phase Contrast Microscopy (PCM)		NIOSH 7400	

National Radon Proficiency Program

[illegible] R. Plimpton

TRC Environmental Corporation

Has satisfactorily fulfilled the requirements set forth by the National Radon Proficiency Program and is therefore certified as a:

Analytical Laboratory

NRPP ID # 102266AL Expires 1/31/2012

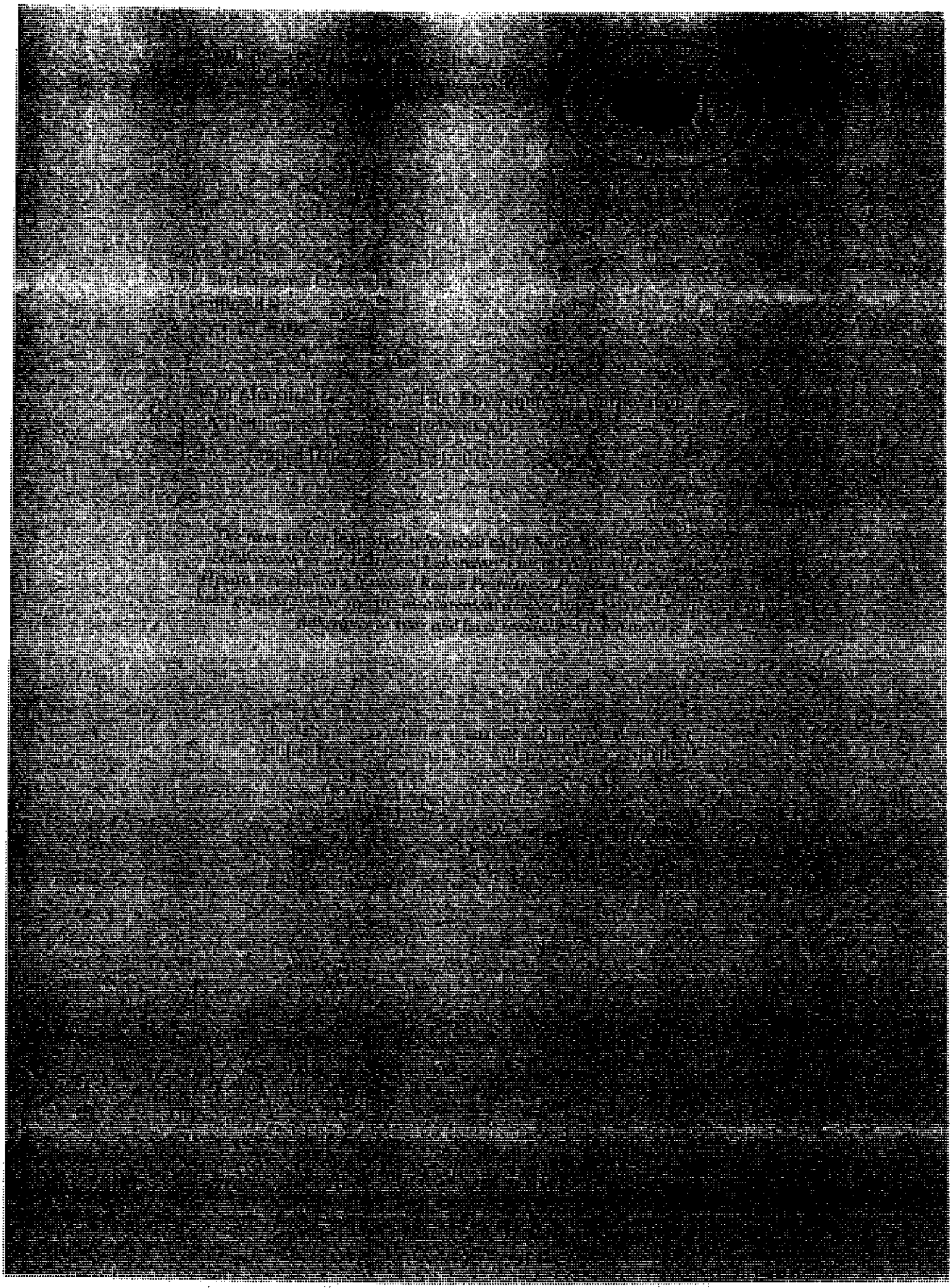
National Environmental Health Association™

NATIONAL RADON PROFICIENCY PROGRAM NEHA 1934

In Witness Whereof,
I have subscribed my name and affixed the Seal of the Association

Angel Anderson Price
Angel Anderson Price
NEHA-NRPP Executive Director

Valid for specific activities or measurement devices, which can be verified with NEHA.
State and local agencies may have additional requirements.



State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

PROSCIENCE ANALYTICAL SERVICES, INC. - CT

LOCATED AT 683 North Mountain Road IN Newington, CT 06111

AND REGISTERED IN THE NAME OF Jack Yee

THIS CERTIFICATE IS ISSUED IN THE NAME OF Jack Yee WHO HAS BEEN DESIGNATED

BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

ASBESTOS
Examination for:
Air – TEM

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES December 31, 2010 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 5th DAY OF January 2009

Registration No.

PH-0303

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

PROSCIENCE ANALYTICAL SERVICES, INC.

LOCATED AT 22 Cummings Park IN Woburn, MA 01801

AND REGISTERED IN THE NAME OF Adrian Stanca

THIS CERTIFICATE IS ISSUED IN THE NAME OF Adrian Stanca WHO HAS BEEN DESIGNATED

BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

NON-POTABLE WATER/ WASTEWATER, SOLID WASTE/SOIL
INORGANICS

ENVIRONMENTAL HEALTH & HOUSING
LEAD IN PAINT
LEAD (PAINT) IN SOIL
LEAD IN DUST WIPES

ASBESTOS
AIR
BULK MATERIALS
WATER

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES December 31, 2010 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 18th DAY OF December 2008

Registration No.

PH-0209

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200090-0

ProScience Analytical Services, Inc.

Woburn, MA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2010-01-01 through 2010-12-31

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ProScience Analytical Services, Inc.
22 Cummings Park
Woburn, MA 01801-2122
Mr. Adrian Stanca
Phone: 781-935-3212 Fax: 781-932-4857
E-Mail: kobab@aol.com
URL: http://www.proscience.net

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200090-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2010-01-01 through 2010-12-31
Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

CON-TEST ANALYTICAL LABORATORY

LOCATED AT 39 SPRUCE STREET, 2ND FLOOR IN EAST LONGMEADOW, MA 01028

AND REGISTERED IN THE NAME OF THOMAS E. VERATTI

THIS CERTIFICATE IS ISSUED IN THE NAME OF MICHAEL ERICKSON (CHEMISTRY) KATHERINE DELISLE (MICROBIOLOGY) WHO HAS BEEN DESIGNATED BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

DRINKING WATER, NON-POTABLE WATER/ WASTEWATER, SOLID WASTE\SOIL

Examination For:
BACTERIA
INORGANIC CHEMICALS
ORGANIC CHEMICALS

PAINT CHIPS, SOIL, DUST WIPES

Examination For:
LEAD

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES September 30, 2011 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 10th DAY OF September 2009

Registration No.

PH-0567

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION

ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

APPROVED ANALYTES REPORT
FOR ALL MATRICES
Con-Test Analytical Laboratory

CT-APP-NUM PH-0567

LOCATION

39 SPRUCE STREET

East Longmeadow MA 01028-

PHONE (413)-525-2332

REGISTERED OWNER/ AUTHORIZED AGENT Thomas E Veratti

DIRECTOR Michael Erickson (Chemistry)

CO DIRECTOR(S) Katherine Delisle (Microbiology)

APPROVED BY JEFFREY C. CURRAN

DATE 12/01/2009 12:28:09 PM

LABORATORY APPROVAL EXPIRATION DATE 09/30/2011

LABORATORY STATUS APPROVED

ANY QUESTIONS CONCERNING THIS DOCUMENT SHOULD BE ADDRESSED TO
THE ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM AT (860) 509-7389

DRINKING WATER (SDWA)

STATUS REPORTED ON 12/01/2009

SOC: REGULATED SYNTHETIC ORGANIC CHEMICAL
WITH MINIMUM MDL REQUIREMENTS

ANALYTE NAME

MICROBIOLOGY/BACTERIA

TOT COLIFORM - COLISURE (SM9223)

E.COLI - COLISURE (SM9223)

PHYSICALS

COLOR

ODOR

PH

TURBIDITY

MINERALS

ALKALINITY

CHLORIDE

CHLORINE, FREE RESIDUAL

FLUORIDE

HARDNESS, CALCIUM

NUTRIENTS

NITRATE

NITRITE

METALS

ALUMINUM

ANTIMONY

ARSENIC

BARIUM

BERYLLIUM

BORON

CADMIUM

CALCIUM

CHROMIUM

COPPER

IRON

LEAD

MAGNESIUM

MANGANESE

MERCURY

MOLYBDENUM

NICKEL

POTASSIUM

SELENIUM

SILVER

SODIUM

THALLIUM

VANADIUM

ZINC

RESIDUE

TOTAL DISSOLVED SOLIDS

DEMANDS

TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)

CORROSIVITY

VOLATILE ORGANICS

VOLATILE ORGANICS - 524.2 (SOC)

1,2-DIBROMO-3-CHLOROPROPANE 504.1 (DBCP) (SOC)

TOTAL TRIHALOMETHANES 524.2 (SOC)

ETHYLENE DIBROMIDE 504.1 (EDB) (SOC)

NON-POTABLE WATER/ WASTEWATER

STATUS REPORTED ON 12/01/2009

ANALYTE NAME

PHYSICALS

COLOR
PH
CONDUCTIVITY

MINERALS

ALKALINITY
CHLORIDE
HARDNESS, TOTAL
HARDNESS, CALCIUM
SULFATE
SULFIDE

NUTRIENTS

AMMONIA
KJELDAHL NITROGEN
NITRATE
NITRITE
O-PHOSPHATE
TOTAL PHOSPHOROUS

METALS

ALUMINUM
ANTIMONY
ARSENIC
BARIUM
BERYLLIUM
BORON
CADMIUM
CALCIUM
CHROMIUM
CHROMIUM - Hexavalent
COBALT
COPPER
IRON
LEAD
MAGNESIUM
MANGANESE
MERCURY
MOLYBDENUM
NICKEL
POTASSIUM
SELENIUM
SILVER
SODIUM
THALLIUM
TIN
TITANIUM
VANADIUM
ZINC

RESIDUE

TOTAL RESIDUE (SOLIDS)
TOTAL DISSOLVED SOLIDS
TOTAL SUSPENDED SOLIDS

DEMANDS

BOD
CARBONACEOUS BOD
COD
TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)
PHENOLICS
FOAMING AGENTS (MBAS)

DISINFECTANT RESIDUALS

TOTAL CHLORINE

PESTICIDES/ PCB's

POLYCHLORINATED BIPHENYLS
ORGANOCHLORINE PESTICIDES (Single Response)
CHLORDANE (TECHNICAL)
TOXAPHENE

SOLVENTS

OIL AND GREASE
CT Extractable Petroleum Hydrocarbons (ETPH)
MA Volatile Petroleum Hydrocarbons (VPH)
MA Extractable Petroleum Hydrocarbons (EPH)

ORGANICS

ACID EXTRACTABLES (PHENOLS)

BENZIDINES

PHTHALATE ESTERS

NITROSAMINES

NITROAROMATICS & ISOPHORONE

POLYNUCLEAR AROMATIC HYDROCARBONS

HALOETHERS

CHLORINATED HYDROCARBONS

VOLATILE ORGANICS

SOLID WASTE/SOIL

STATUS REPORTED ON 12/01/2009

ANALYTE NAME

ENVIRONMENTAL HEALTH & HOUSING

LEAD IN DUST WIPES
LEAD IN PAINT
LEAD (PAINT) IN SOIL

METALS

ALUMINUM
ANTIMONY
ARSENIC
BARIUM
BERYLLIUM
BORON
CADMIUM
CALCIUM
CHROMIUM
CHROMIUM - Hexavalent
COBALT
COPPER
IRON
LEAD
MAGNESIUM
MANGANESE
MERCURY
MOLYBDENUM
NICKEL
POTASSIUM
SELENIUM
SILVER
SODIUM
THALLIUM
TIN
VANADIUM
ZINC

MISCELLANEOUS

CYANIDE (TOTAL)
IGNITABILITY
TCLP LEACH (1311)
REACTIVITY

PESTICIDES/ PCB's

POLYCHLORINATED BIPHENYLS
ORGANOCHLORINE PESTICIDES (Single Response)
CHLORDANE (TECHNICAL)
TOXAPHENE

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)
MA Volatile Petroleum Hydrocarbons (VPH)
MA Extractable Petroleum Hydrocarbons (EPH)

RCRA (SW-846) ORGANICS

VOLATILE ORGANICS (SW 8260)
ACID EXTRACTABLES (PHENOLS) (SW 8270)
BENZIDINES (SW 8270)
PHTHALATES (SW 8270)
NITROSOAMINES (SW 8270)
NITROAROMATICS & CYCLIC KETONES (SW 8270)
PAH's (SW 8270)
HALOETHERS (SW 8270)
CHLORINATED HYDROCARBONS (SW 8270)

END OF SECTION FOR Con-Test Analytical Laboratory

REPORT PROFILE

Report Printed on:	12/01/2009 12:28:10 PM	lab code = ID1135P
Report Name:	APPROVED TESTS_ALT_NEW	test code = *
Printed by:	jeff	matrix code = *
Report published from:	CERTIFICATION REPORTS screen #3	matrix selection = ALL OR SOME MATRICES SELECTED
		certifications approved or provisional on 12/01/2009

THIS IS THE LAST PAGE OF THE REPORT

APPENDIX H

ABATEMENT COST ESTIMATES

Site: Kent Memorial Library, Suffield, CT
TRC Project #: 176676

ITEM DESCRIPTION	QTY	UNIT	COST	MULT	TOTAL
ASBESTOS REMOVAL					
HEPA VACUUMING	5000	SF	$ 0.50	1	$ 2,500.00
PIPING REMOVAL <6" INCL FITTINGS		LF	$ 5.00	1	$ -
PIPING REMOVAL 6"-12" INCL FITTINGS		LF	$ 7.50	1	$ -
PIPING REMOVAL >12" INCL FITTINGS		LF	$ 10.00	1	$ -
GLOVE BAG FIRST 25		EA	$ 70.00	1	$ -
GLOVEBAG 25-50		EA	$ 60.00	1	$ -
GLOVEBAG OVER 50		EA	$ 50.00	1	$ -
REMOVE EQUIPMENT INSULATION		SF	$ 10.00	1	$ -
REMOVE HVAC DUCT FLEX CONN		SF	$ 7.50	1	$ -
FLOOR TILE AND MASTIC (includes mastic only and WBC)	3427	SF	$ 3.00	1	$ 10,281.00
FLOOR TILE (NO MASTIC)		SF	$ 1.50	1	$ -
SPRAY ON FIREPROOFING		SF	$ 6.00	1	$ -
CONTAMINATED SOIL (2" DEPTH)		SF	$ 4.00	1	$ -
TRANSITE MATERIAL (include TP1 & TP2)		SF	$ 2.50	1	$ -
ROOFING OR FLASHING		SF	$ 3.50	1	$ -
UNDERGROUND PIPE OR INSULATION (HAND EXCAVATION)		LF	$ 30.00	1	$ -
CARPET OVER TILE	360	SF	$ 2.50	1	$ 900.00
REMOVAL OF DRYWALL PARTITIONS INCL FRAMING		SF	$ 2.00	1	$ -
REMOVAL OF CMU WALL		SF	$ 5.00	1	$ -
PREP WORK AREA	5000	SF	$ 3.00	1	$ 15,000.00
SOLID BARRIER OR ACCESS TUNNELS 2X4 AND PLYWOOD		SF/SA	$ 2.50	1	$ -
STANDBY ABATEMENT PERSONNEL	40	HR	$ 50.00	1	$ 2,000.00
SELECTIVE DEMOLITION TO ACCESS ACM	1000	SF	$ 3.00	1	$ 3,000.00
REMOVAL OF FLOOR LEVELING MATERIAL		SF	$ 2.00	1	$ -
MISCELLANEOUS ITEMS					
MOBILIZATION (1 PER WORK AREA)	6	EA	$ 250.00	1	$ 1,500.00
WORKER DECON (1 PER WORK AREA)	6	EA	$ 250.00	1	$ 1,500.00
TEMP ELECTRICAL CONNECTION (LICENSED ELECTRICIAN)		EA	-	1.1	$ -
TEMP GENERATOR		DY	$ 250.00	1.1	$ -
ACM DISPOSAL (INCLUDES TRANSPORTATION)	80	CY	$ 55.00	1	$ 4,400.00
HAZARDOUS WASTE DISPOSAL (INCLUDES TRANS)		CY	$ 250.00	1	$ -
CONSTRUCTION DEBRIS DISPOSAL (INCLUDES TRANS)	40	CY	$ 25.00	1	$ 1,000.00
FIXED SCAFFOLDING		SF		1.1	$ -
EXCAVATION TO EXPOSE UNDERGROUND PIPE		CY		1.1	$ -
PROJECT NOTIFICATION (1% OF ABATEMENT COST)	1	EA	$ 710.26	1.1	$ 781.29
PROJECT BOND (2% OF TOTAL CONTRACT)		EA		1.1	$ -
ESCALATION FACTORS					
WORK SURFACES 10-20 FEET HIGH				15%	$ -
WORK SURFACES OVER 20 FEET HIGH				30%	$ -
NON REGULAR WORK HOURS 6:00PM-6:00AM AND WEEKEND				30%	$ -
EMERGENCY RESPONSE				30%	$ -
CONFINED SPACE WORK				15%	$ -
REMOVAL OF MULTIPLE LAYERS OF TILE (EACH ADDIT LAYER)				50%	$ -
REMOVE ON LIVE STEAM EQUIPMENT				25%	$ -
EXTERIOR WORK				30%	$ -
NEGOTIATED ITEMS					
ceiling tile glue daubs	950	SF	$ 2.50	1	$ 2,375.00
windows & doors w/ glazing		EA	$ 100.00	1	$ -
windows/doors w/ caulk		EA	$ 100.00	1	$ -
transite pipe	1000	LF	$ 15.00	1	$ 15,000.00
Glue daubs with blackboards		SF	$ 100.00	1	$ -
Fire door insulation		EA	$ 50.00	1	$ -
Flashing Materials		SF	$ 5.00	1	$ -
boiler removal	1	EA	$ 5,000.00	1	$ 5,000.00
Stair tread glue/mastic	80	SF	$ 4.00	1	$ 320.00
pipe/flange gaskets	50	EA	$ 25.00	1	$ 1,250.00
				1	$ -
CONTINGENCY (10%)				10%	**$ 6,680.73**
TOTAL					**$ 73,488.01**

PCB Caulk Removal Estimate
Kent Memorial Library
Suffield, CT
Project No. 176676

Item	Quantity	Units	Rate	Total
Operations Supervisor	80	hrs	$57.50	$4,600.00
Equipment Operator (Demo)	0	hrs	$51.25	$0.00
Laborer (Demo)	160	hrs	$38.75	$6,200.00
Driver (Demo Disposal)	80	hrs	$40.75	$3,260.00
Laborer (HHW/Sumps)	0	hrs	$38.75	$0.00
Driver (HHW Disposal)	0	hrs	$40.75	$0.00
Vacuum Truck (oil)	8	hrs	$60.00	$480.00
Box truck	80	hrs	$23.50	$1,880.00
Utility Trucks (< 18000 GVW)	80	hrs	$12.50	$1,000.00
Loader/Backhoe (15' dig depth)	0	hrs	$59.00	$0.00
Mini Excavator	0	hrs	$29.00	$0.00
Excavator (70,000 lbs.)	0	hrs	$105.00	$0.00
Excavator (90,000 lbs.)	0	hrs	$147.00	$0.00
Grapple Attachment	0	hrs	$16.00	$0.00
Hydraulic Hammer Attachment	0	hrs	$75.00	$0.00
Skid Steer Loader	0	hrs	$21.50	$0.00
Lowbed Trailer/Tractor	0	hrs	$59.50	$0.00
Triaxle Dump Truck	0	hrs	$31.50	$0.00
17C DOT 55 gal Drums (HHW)	0	ea	$60.00	$0.00
TrenchBox (8'x24') (disconnects)	0	days	$120.00	$0.00
Water Wagon	0	hrs	$22.00	$0.00
Sawzall	0	hrs	$3.30	$0.00
Propane Heater	0	hrs	$9.10	$0.00
Poly (10-mil sheeting 28'x100')	8	ea	$115.00	$920.00
Speedi-Dry (50 lb bag)	20	bag	$20.00	$400.00
Roll-off Truck	80	hrs	$52.50	$4,200.00
Roll-off Container (30 CY)	20	days	$20.00	$400.00
Roll-off Liners (haz waste/CRW soil)	2	ea	$70.00	$140.00
Generator (5 kw)	10	days	$150.00	$1,500.00
Demo Permit	1	ea	$5,500.00	$5,500.00
Remove PCB Caulk/Glazing	2000	LF	$12.00	$24,000.00
Encapsulate Brick/Concrete substrate	4000	SF	$6.00	$24,000.00
Remove Contaminated Soil	1000	CY	$18.00	$18,000.00
Sewage Cleanup	0	SF	$5.00	$0.00
Hazardous Waste - PB Caulk	20	Ton	$300.00	$6,000.00
Demo Disposal(concrete/brick)	0	CY	$5.00	$0.00
Backfill	0	CY	$10.00	$0.00
			TOTAL EST.	**$102,480.00**

Hazardous Material Estimate
Kent Memorial Library
Suffield, CT
Project No. 176676

Item	Quantity	Units	Rate	Total
Operations Supervisor	25	hrs	$57.50	$1,437.50
Equipment Operator (Demo)	0	hrs	$51.25	$0.00
Laborer (Demo)	80	hrs	$38.75	$3,100.00
Driver (Demo Disposal)	50	hrs	$40.75	$2,037.50
Laborer (HHW/Sumps)	0	hrs	$38.75	$0.00
Driver (HHW Disposal)	30	hrs	$40.75	$1,222.50
Vacuum Truck (oil)	8	hrs	$60.00	$480.00
Box truck	25	hrs	$23.50	$587.50
Utility Trucks (< 18000 GVW)	25	hrs	$12.50	$312.50
Loader/Backhoe (15' dig depth)	0	hrs	$59.00	$0.00
Mini Excavator	0	hrs	$29.00	$0.00
Excavator (70,000 lbs.)	0	hrs	$105.00	$0.00
Excavator (90,000 lbs.)	0	hrs	$147.00	$0.00
Grapple Attachment	0	hrs	$16.00	$0.00
Hydraulic Hammer Attachment	0	hrs	$75.00	$0.00
Skid Steer Loader	0	hrs	$21.50	$0.00
Lowbed Trailer/Tractor	2	hrs	$59.50	$119.00
Triaxle Dump Truck	0	hrs	$31.50	$0.00
17C DOT 55 gal Drums (HHW)	30	ea	$60.00	$1,800.00
TrenchBox (8'x24') (disconnects)	0	days	$120.00	$0.00
Water Wagon	0	hrs	$22.00	$0.00
Sawzall	0	hrs	$3.30	$0.00
Propane Heater	0	hrs	$9.10	$0.00
Poly (10-mil sheeting 28'x100')	8	ea	$115.00	$920.00
Speedi-Dry (50 lb bag)	20	bag	$20.00	$400.00
Roll-off Truck	32	hrs	$52.50	$1,680.00
Roll-off Container (30 CY)	4	days	$20.00	$80.00
Roll-off Liners (haz waste/CRW soil)	2	ea	$70.00	$140.00
Generator (5 kw)	5	days	$150.00	$750.00
Demo Permit	0	ea	$5,500.00	$0.00
Dispose of oil and piping	0	CY	$50.00	$0.00
Dispose of AST/UST contents (oil)	0	gal	$2.00	$0.00
Dispose household haz-waste items	260	ea	$18.00	$4,680.00
Sewage Cleanup	0	SF	$5.00	$0.00
Hazardous Waste - windows	0	CY	$250.00	$0.00
Demo Disposal(concrete/brick)	0	CY	$5.00	$0.00
Backfill	0	CY	$10.00	$0.00
			TOTAL EST.	**$19,746.50**

TRC
Results you can rely on

REPORT

PCB IMPACTED SUBSTRATES AND SURFACES

KENT MEMORIAL LIBRARY

50 NORTH MAIN STREET SUFFIELD, CONNECTICUT

Prepared for

Town of Suffield
Suffield, Connecticut

Prepared by

TRC
Windsor, Connecticut

November 2013

TRC
Results you can rely on

PCB IMPACTED SUBSTRATES AND SURFACES

KENT MEMORIAL LIBRARY

50 NORTH MAIN STREET SUFFIELD, CONNECTICUT

Prepared for
Town of Suffield
Suffield, Connecticut

Prepared by
TRC
Windsor, Connecticut

TRC Project No. 205158.0010.0001
November 2013

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

TABLE OF CONTENTS

PROJECT OUTLINE

Site Address:	Kent Memorial Library 50 North Main Street Suffield, CT
TRC Project No.:	205158.0010.0001
PCB Inspector:	Jonathan Gentile
Date of Inspection:	7/3/13 through 7/5/13
PCB Substrates/Surfaces & Identified:	Yes

EXECUTIVE SUMMARY

From July 3, 2013 through July 5, 2013, TRC of Windsor, Connecticut conducted an investigation of exterior polychlorinated biphenol (PCB) caulks and glazes as well as impacted substrates and surfaces at the Kent Memorial Library located at 50 North Main Street in Suffield, Connecticut. Previous building inspections in 2010 had identified PCBs in exterior and interior building caulks and glazes. Investigation of substrates and surfaces was not conducted at that time. The 2010 investigations did reveal that asbestos was not identified in the exterior caulks/glazes and lead concentrations in exterior building materials did not exceed 1.0 mg/cm^2 through measurements recorded utilizing X-Ray Fluorescence (XRF) with an on-site Niton XLP 301A L&K shell spectrum analyzer with a detection limit of 0.1 mg/cm^2.

Samples collected in July 2013 and November 2010 were analyzed at CTDPH accredited laboratories for PCB analysis via EPA method 8082, with EPA Method 3540c, Soxhlet extraction. After obtaining results of the PCB caulk/glaze sampling, indicating CTDEEP (>1 ppm) and EPA (>50 ppm) PCB regulated materials were present, TRC then implemented sampling programs to identify any PCB migration impact into both the surrounding porous material substrates (e.g. brick, concrete, wood) and adjacent soils, to determine if such materials would be classified as CTDEEP Regulated Waste and/or EPA PCB Remediation Waste (>1 ppm).

Limited representative samples of building material substrates from each PCB caulk/substrate combination were collected at distances of zero inches to six inches from the subject caulked seams to assess potential impact into the respective porous substrate materials. Sampling was conducted following protocols from EPA 40 CFR 761 Subpart N for site characterization for PCB Remediation

Waste, modified to reduce the maximum sampling efforts down from the prescribed 1 sample per 10 linear feet while obtaining reliable representative data and meeting the 3 samples per caulk/substrate combination requirement. Samples were collected to depths of ½" at each of the representative locations following the EPA Region 1 Standard Operating Procedure for Sampling Concrete. Samples were extracted and analyzed using EPA Methods 3540C (soxhlet extraction) and 8082 (PCB), and all analytical results were reported on a dry weight basis. Building substrate sampling was not performed for materials associated with PCB window glazing, as these glazing materials are only in contact with non-porous surfaces (i.e. glass & metal window frames) and these non-porous surfaces are planned for complete removal/disposal as part of the PCB abatement process. Analytical results indicated some PCB impact at various caulk/porous substrate combinations at the zero inch depth and three inch depths. Based on this data, removal and disposal of portions of certain porous substrates will be required, along with substrate verification sampling to ensure all PCB impact is remediated in accordance with CTDEEP and EPA requirements. Refer to the attached Tables 1-3 and analytical data for sampling result details.

Representative samples of soil/surface cover were also collected from around the building beneath areas where CTDEEP PCB regulated caulks/glazes were identified. Samples were collected eighteen inches out from the building face, approximately every ten feet following protocols from EPA 40 CFR 761 Subpart N for site characterization for PCB Remediation Waste. Samples were extracted and analyzed using EPA Methods 3540C (soxhlet extraction) and 8082 (PCB), and all analytical results were reported on a dry weight basis. Analytical results indicated some PCB impact at certain soil areas associated with/beneath the CTDEEP regulated PCB caulks. Based on this data, removal and disposal of portions of soil will be required, along with soil verification sampling to ensure all

TABLES

TABLE 1 PCB SURFACE/SOIL SAMPLE ANALYTICAL RESULTS KENT MEMORIAL LIBRARY SUFFIELD, CONNECTICUT				
Sample Nb.	**Homogenous Material Type**	**Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
19	WC1 – grey exterior window caulk	Courtyard	3.28	Yes - EPA
20			3.42	
21			2.29	
22			1.71	
23			0.993	No
24			0.908	
25			2.29	Yes - EPA
26			1.18	
27			13.2	
28			0.928	No
29			3.89	Yes - EPA
30	BC1 – pink/grey exterior building caulk	Exterior A-side	4.27	Yes - EPA
31	WC1 – grey exterior window caulk	Exterior A-side	0.112	No
32			0.173	No
33	BC1 – pink/grey exterior building caulk	Exterior A-side	1.23	Yes - EPA
34	WC1/BC1 – grey exterior window caulk/pink-grey exterior building caulk	Exterior D-side	<0.069	No
35			<0.072	No
36			0.119	No
37	BC1 – pink/grey exterior building caulk	Exterior D-side Ramp to basement	0.227	No
38			1.31	Yes - EPA
39			1.08	
40			0.527	No
41			0.95	
42			0.361	
43			0.541	
44			1.67	Yes - EPA
45			<0.061	No
46			<0.059	
47			<0.019	
48			<0.067	
49			0.159	
50			<0.104	
51	WC1/BC1 – grey exterior	Exterior D-side	0.109	No

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

TABLE 1 PCB SURFACE/SOIL SAMPLE ANALYTICAL RESULTS KENT MEMORIAL LIBRARY SUFFIELD, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
52	window caulk/pink-grey exterior building caulk		<0.066	
53			<0.067	
54	WC1 – grey exterior window caulk	Exterior C-side	0.488	No
55			<0.062	
56			0.875	
57	WC1/BC1 – grey exterior window caulk/pink-grey exterior building caulk	Exterior B-side	<0.068	No
58			<0.059	
59			<0.073	
60	BC1 – pink/grey exterior building caulk	Exterior B-side Mech Room and Pit areas	<0.069	No
61			<0.067	
62			<0.020	
63			<0.067	
64			<0.067	
65			<0.067	
66			<0.068	
67			<0.065	
68			0.188	
69			0.591	
70			0.952	
71			1.28	Yes - EPA
72			0.912	No
73			1.77	Yes - EPA
74			1.21	
75			<0.071	No
76			<0.067	
77			<0.066	
78			<0.539	
79	WC1/BC1 – grey exterior window caulk/pink-grey exterior building caulk	Exterior A/B corner window	<0.068	No
80			<0.069	

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

TABLE 2
PCB BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)	Material Classification
1	0" concrete – B-side Mech Room lower level	DC2 – grey interior door caulk	7/3/13	**616**	PCB Bulk Product Waste*
2	3" concrete – B-side Mech Room lower level		7/3/13	**3.54**	PCB Bulk Product Waste*
3	6" concrete – B-side Mech Room lower level		7/3/13		PCB Bulk Product Waste*
4	0" brick – A-side interior window	WC2 – grey interior window caulk	7/3/13	**212**	PCB Bulk Product Waste*
5	3" brick – A-side interior window		7/3/13	**4.64**	PCB Bulk Product Waste*
6	6" brick – A-side interior window		7/3/13		PCB Bulk Product Waste*
7	0" concrete – exterior Courtyard	WC1 – grey exterior window caulk	7/3/13	**40.6**	PCB Bulk Product Waste*
8	3" concrete – exterior Courtyard		7/3/13	0.156	Unregulated
9	6" concrete – exterior Courtyard		7/3/13	---	Unregulated
10	0" brick – exterior Mech Room	BC1 – pink/grey exterior building caulk	7/3/13	0.266	Unregulated
11	3" brick – exterior Mech Room		7/3/13	0.535	Unregulated
12	6" brick – exterior Mech Room		7/3/13		Unregulated
13	0" brick – exterior Mech Room	WC1 – grey exterior window caulk	7/3/13	**240**	PCB Bulk Product Waste*
14	3" brick – exterior Mech Room		7/3/13	**3.47**	PCB Bulk Product Waste*
15	6" brick – exterior Mech Room		7/3/13	---	PCB Bulk Product Waste*

BRL< = Below Reportable Detection Limit

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

TABLE 2
PCB BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)	Material Classification
16	0" concrete – Courtyard	WC2 – grey interior window caulk	7/3/13	**1,400**	PCB Bulk Product Waste*
17	3" concrete – Courtyard		7/3/13	**7.27**	PCB Bulk Product Waste*
18	6" concrete – Courtyard		7/3/13	---	PCB Bulk Product Waste*

BRL< = Below Reportable Detection Limit

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

TABLE 3
IDENTIFIED PCB IMPACTED SUBSTRATES AND SURFACES/SOIL
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Material	Associated caulks or glazes EPA/ CTDEEP	Sample Date (mo/yr)	General Location of Substrate/Soil Impact	Estimated Quantity	CTDEEP or EPA Regulated
PCB IMPACTED MATERIALS – SOIL (>1.0 ppm)					
Samples #19-22, 25-27, 29 Soil	WC1 EPA	Sampled 7/13	Courtyard	9 CY	EPA – PCB Bulk Product Waste
Sample #30-33 Soil	BC1 EPA	Sampled 7/13	Exterior A-side	3 CY	EPA – PCB Bulk Product Waste
Samples #38-44 Brick/Soil	BC1 EPA	Sampled 7/13	Exterior D-side – ramp to basement	6 CY	EPA – PCB Bulk Product Waste
Sample #71-74 Soil	BC1 EPA	Sampled 7/13	Exterior B-side Pit	4 CY	EPA – PCB Bulk Product Waste
PCB IMPACTED MATERIALS – SUBSTRATES (>1.0 ppm)					
Sample #01 Concrete (DC2-0")	DC2 EPA CTDEEP	Sampled 7/13	Interior – Mech Room lower level	1 CY	EPA – PCB Bulk Product Waste

TABLE 3 (...continued)
IDENTIFIED PCB IMPACTED SUBSTRATES AND SOIL
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

Material	Associated caulks or glazes	Sample Date (mo/yr)	General Location of Substrate/Soil Impact	Estimated Quantity	CTDEEP or EPA Regulated
Sample #04 Brick (WC2-0")	WC2 EPA	Sampled 7/13	Interior – A-side left window	3 CY	EPA – PCB Bulk Product Waste
Sample #05 Brick (WC2-3")	WC2 EPA	Sampled 7/13	Interior – A-side left window	---	EPA – PCB Bulk Product Waste
Sample #07 Concrete (WC1-0")	WC1 EPA	Sampled 7/13	Courtyard	3 CY	EPA – PCB Bulk Product Waste
Sample #13 Brick (WC1-0")	WC1 EPA	Sampled 7/13	Exterior B-side Mech Room	3 CY	EPA – PCB Bulk Product Waste
Sample #14 Brick (WC1-3")	WC1 EPA	Sampled 7/13	Exterior B-side Mech Room	---	EPA – PCB Bulk Product Waste
Sample #16 Concrete (WC2-0")	WC2 EPA	Sampled 7/13	Courtyard	3 CY	EPA – PCB Bulk Product Waste
Sample #17 Concrete (WC2-3")	WC2 EPA	Sampled 7/13	Courtyard	---	EPA – PCB Bulk Product Waste

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

TABLE 4
EXISTING CAULK/GLAZE DATA
KENT MEMORIAL LIBRARY
SUFFIELD, CONNECTICUT

EPA Method 8082	**Sample 01** Wall caulk, exterior	**Sample 02** Seam caulk, exterior	**Sample 03** Window caulk, exterior	**Sample 04** Window caulk, interior
	RESULTS IN ppm (mg/kg)			
PCB-1016	ND	ND	ND	ND
PCB-1221	ND	ND	ND	ND
PCB-1232	ND	ND	ND	ND
PCB-1242	ND	ND	ND	ND
PCB-1248	ND	ND	ND	ND
PCB-1254	**190,000**	**39**	**160,000**	**130,000**
PCB-1260	ND	ND	ND	ND
PCB-1262	ND	ND	ND	ND
PCB-1268	ND	ND	ND	ND

EPA Method 8082	**Sample 05** Void	**Sample 06** Wall caulk, office exit door
PCB-1016	Not Analyzed	ND
PCB-1221	Not Analyzed	ND
PCB-1232	Not Analyzed	ND
PCB-1242	Not Analyzed	ND
PCB-1248	Not Analyzed	ND
PCB-1254	Not Analyzed	**220,000**
PCB-1260	Not Analyzed	ND
PCB-1262	Not Analyzed	ND
PCB-1268	Not Analyzed	ND

APPENDIX A

SITE SKETCHES

SHEET NO. _____ OF _____

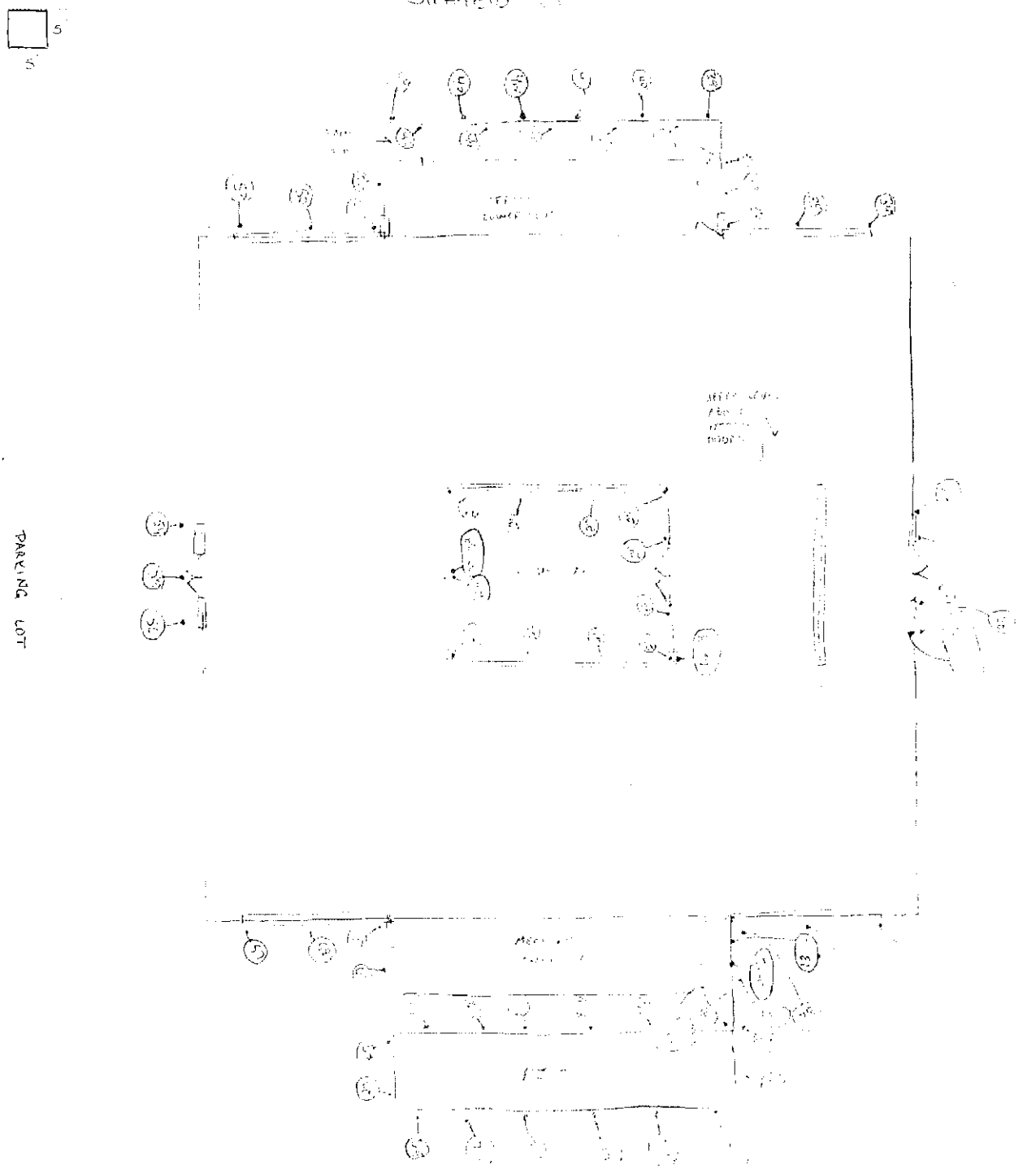
PROJECT NO. _____

DATE 7/3/13

BY G

CHK'D _____

SUBJECT Kent Manufacturing
Suffield CT



APPENDIX B

PCB LABORATORY ANALYSIS DATA

Report Date:
15-Jul-13 16:32

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

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

Project: Kent Memorial Library - Suffield, CT
Project #: 205158.0010.0001

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB72708-01	01	Concrete	03-Jul-13 10:30	05-Jul-13 12:10
SB72708-02	02	Concrete	03-Jul-13 10:24	05-Jul-13 12:10
SB72708-04	04	Brick	03-Jul-13 11:17	05-Jul-13 12:10
SB72708-05	05	Brick	03-Jul-13 11:14	05-Jul-13 12:10
SB72708-07	07	Concrete	03-Jul-13 11:37	05-Jul-13 12:10
SB72708-08	08	Concrete	03-Jul-13 11:32	05-Jul-13 12:10
SB72708-10	10	Brick	03-Jul-13 12:06	05-Jul-13 12:10
SB72708-11	11	Brick	03-Jul-13 12:00	05-Jul-13 12:10
SB72708-13	13	Brick	03-Jul-13 14:14	05-Jul-13 12:10
SB72708-14	14	Brick	03-Jul-13 14:10	05-Jul-13 12:10
SB72708-16	16	Concrete	03-Jul-13 14:42	05-Jul-13 12:10
SB72708-17	17	Concrete	03-Jul-13 14:37	05-Jul-13 12:10
SB72708-19	19	Soil	03-Jul-13 13:35	05-Jul-13 12:10
SB72708-20	20	Soil	03-Jul-13 13:38	05-Jul-13 12:10
SB72708-21	21	Soil	03-Jul-13 13:40	05-Jul-13 12:10
SB72708-22	22	Soil	03-Jul-13 13:43	05-Jul-13 12:10
SB72708-23	23	Soil	03-Jul-13 13:45	05-Jul-13 12:10
SB72708-24	24	Soil	03-Jul-13 13:47	05-Jul-13 12:10
SB72708-25	25	Soil	03-Jul-13 13:50	05-Jul-13 12:10
SB72708-26	26	Soil	03-Jul-13 13:52	05-Jul-13 12:10
SB72708-27	27	Soil	03-Jul-13 13:55	05-Jul-13 12:10
SB72708-28	28	Soil	03-Jul-13 13:57	05-Jul-13 12:10
SB72708-29	29	Soil	03-Jul-13 13:59	05-Jul-13 12:10
SB72708-30	30	Soil	03-Jul-13 15:10	05-Jul-13 12:10
SB72708-31	31	Brick	03-Jul-13 15:26	05-Jul-13 12:10
SB72708-32	32	Brick	03-Jul-13 15:29	05-Jul-13 12:10
SB72708-33	33	Soil	03-Jul-13 15:11	05-Jul-13 12:10
SB72708-34	34	Brick	05-Jul-13 08:51	05-Jul-13 12:10
SB72708-35	35	Brick	05-Jul-13 08:55	05-Jul-13 12:10
SB72708-36	36	Brick	05-Jul-13 09:00	05-Jul-13 12:10
SB72708-37	37	Brick	05-Jul-13 09:03	05-Jul-13 12:10
SB72708-38	38	Brick	05-Jul-13 09:07	05-Jul-13 12:10
SB72708-39	39	Soil	05-Jul-13 08:35	05-Jul-13 12:10
SB72708-40	40	Soil	05-Jul-13 08:37	05-Jul-13 12:10
SB72708-41	41	Soil	05-Jul-13 08:40	05-Jul-13 12:10
SB72708-42	42	Soil	05-Jul-13 08:41	05-Jul-13 12:10
SB72708-43	43	Soil	05-Jul-13 08:43	05-Jul-13 12:10

SB72708-44	44	Soil	05-Jul-13 08:46	05-Jul-13 12:10
SB72708-45	45	Concrete	05-Jul-13 09:25	05-Jul-13 12:10
SB72708-46	46	Concrete	05-Jul-13 09:22	05-Jul-13 12:10
SB72708-47	47	Concrete	05-Jul-13 09:18	05-Jul-13 12:10
SB72708-48	48	Concrete	05-Jul-13 09:15	05-Jul-13 12:10
SB72708-49	49	Concrete	05-Jul-13 09:11	05-Jul-13 12:10
SB72708-50	50	Brick	05-Jul-13 09:29	05-Jul-13 12:10
SB72708-51	51	Brick	05-Jul-13 09:32	05-Jul-13 12:10
SB72708-52	52	Brick	05-Jul-13 09:35	05-Jul-13 12:10
SB72708-53	53	Brick	05-Jul-13 09:39	05-Jul-13 12:10
SB72708-54	54	Brick	05-Jul-13 10:05	05-Jul-13 12:10
SB72708-55	55	Brick	05-Jul-13 10:08	05-Jul-13 12:10
SB72708-56	56	Brick	05-Jul-13 10:10	05-Jul-13 12:10
SB72708-57	57	Brick	05-Jul-13 10:35	05-Jul-13 12:10
SB72708-58	58	Brick	05-Jul-13 10:38	05-Jul-13 12:10
SB72708-59	59	Brick	05-Jul-13 10:41	05-Jul-13 12:10
SB72708-60	60	Brick	05-Jul-13 10:43	05-Jul-13 12:10
SB72708-61	61	Concrete	05-Jul-13 10:50	05-Jul-13 12:10
SB72708-62	62	Concrete	05-Jul-13 10:53	05-Jul-13 12:10
SB72708-63	63	Concrete	05-Jul-13 10:57	05-Jul-13 12:10
SB72708-64	64	Concrete	05-Jul-13 11:00	05-Jul-13 12:10
SB72708-65	65	Concrete	05-Jul-13 11:02	05-Jul-13 12:10
SB72708-66	66	Concrete	05-Jul-13 11:04	05-Jul-13 12:10
SB72708-67	67	Brick	05-Jul-13 11:12	05-Jul-13 12:10
SB72708-68	68	Brick	05-Jul-13 11:16	05-Jul-13 12:10
SB72708-69	69	Soil	05-Jul-13 11:18	05-Jul-13 12:10
SB72708-70	70	Soil	05-Jul-13 11:19	05-Jul-13 12:10
SB72708-71	71	Soil	05-Jul-13 11:21	05-Jul-13 12:10
SB72708-72	72	Soil	05-Jul-13 11:23	05-Jul-13 12:10
SB72708-73	73	Soil	05-Jul-13 11:24	05-Jul-13 12:10
SB72708-74	74	Soil	05-Jul-13 11:26	05-Jul-13 12:10
SB72708-75	75	Brick	05-Jul-13 11:30	05-Jul-13 12:10
SB72708-76	76	Brick	05-Jul-13 11:33	05-Jul-13 12:10
SB72708-77	77	Brick	05-Jul-13 11:38	05-Jul-13 12:10
SB72708-78	78	Brick	05-Jul-13 11:40	05-Jul-13 12:10
SB72708-79	79	Brick	05-Jul-13 11:47	05-Jul-13 12:10
SB72708-80	80	Brick	05-Jul-13 11:50	05-Jul-13 12:10

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

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 90 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 ot 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: Kent Memorial Library - Suffield, CT

Project Number: 205158.0010.0001

Sampling Date(s):
7/3/2013 through 7/5/2013

Laboratory Sample ID(s):
SB72708-01 through SB72708-80

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: 7/15/2013

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:

SB72708-01 *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]

SB72708-04 *04*

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]

SB72708-07 *07*

SW846 8082A

Samples:

SB72708-07 *07*

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

SB72708-13 *13*

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]

SB72708-16 *16*

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]

SB72708-27 *27*

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

SB72708-56 *56*

Elevated Reporting Limits due to limited sample volume.

SB72708-78 *78*

Elevated Reporting Limits due to limited sample volume.

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Kent Memorial Library - Suffield, CT / 205158.0010.0001
Work Order:	SB72708
Sample(s) received on:	7/5/2013
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
01 SB72708-01	205158.0010.0001	Concrete	03-Jul-13 10:30	05-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			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 6710	D	µg/kg dry	6710	5010	100	SW846 8082A	09-Jul-13	15-Jul-13	BLM	1316094	X
11104-28-2	Aroclor-1221	< 6710	D	µg/kg dry	6710	6040	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 6710	D	µg/kg dry	6710	4310	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 6710	D	µg/kg dry	6710	4040	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 6710	D	µg/kg dry	6710	3490	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	616,000	D	µg/kg dry	6710	5590	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 6710	D	µg/kg dry	6710	4160	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 6710	D	µg/kg dry	6710	6250	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 6710	D	µg/kg dry	6710	2770	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	98.8		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316071	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
02 SB72708-02	205158.0010.0001	Concrete	03-Jul-13 10:24	05-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	< 59.9		µg/kg dry	59.9	44.8	1	SW846 8082A	09-Jul-13	11-Jul-13	BLM	1316094	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	36.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.9		µg/kg dry	59.9	31.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,540		µg/kg dry	59.9	50.0	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	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)*	*90*			*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	99.0		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316071	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
04 SB72708-04	205158.0010.0001	Brick	03-Jul-13 11:17	05-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			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 3020	D	µg/kg dry	3020	2250	50	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	X
11104-28-2	Aroclor-1221	< 3020	D	µg/kg dry	3020	2720	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 3020	D	µg/kg dry	3020	1940	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 3020	D	µg/kg dry	3020	1810	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 3020	D	µg/kg dry	3020	1570	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	212,000	D	µg/kg dry	3020	2510	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 3020	D	µg/kg dry	3020	1870	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 3020	D	µg/kg dry	3020	2810	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 3020	D	µg/kg dry	3020	1240	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	99.8		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316071	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
05 SB72708-05	205158.0010.0001	Brick	03-Jul-13 11:14	05-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	< 59.4		µg/kg dry	59.4	44.4	1	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	X
11104-28-2	Aroclor-1221	< 59.4		µg/kg dry	59.4	53.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.4		µg/kg dry	59.4	38.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.4		µg/kg dry	59.4	35.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.4		µg/kg dry	59.4	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	4,640		µg/kg dry	59.4	34.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.4		µg/kg dry	59.4	36.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.4		µg/kg dry	59.4	55.4	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)*	*40*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316071	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
07 SB72708-07	205158.0010.0001	Concrete	03-Jul-13 11:37	05-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			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1260	D	µg/kg dry	1260	940	20	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	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	808	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1260	D	µg/kg dry	1260	757	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1260	D	µg/kg dry	1260	654	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254	40,600	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	< 1260	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)*	*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	96.6		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316071	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
08 SB72708-08	205158.0010.0001	Concrete	03-Jul-13 11:32	05-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	< 61.2		µg/kg dry	61.2	45.7	1	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	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	156		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]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.1		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316071	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
10 SB72708-10	205158.0010.0001	Brick	03-Jul-13 12:06	05-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	< 59.8		µg/kg dry	59.8	44.7	1	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	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	266		µg/kg dry	59.8	49.8	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)*	*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]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316071	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11 SB72708-11	205158.0010.0001	Brick	03-Jul-13 12:00	05-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	< 62.9		µg/kg dry	62.9	47.0	1	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	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	37.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.9		µg/kg dry	62.9	32.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	535		µg/kg dry	62.9	52.5	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	26.0	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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316071	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
13 SB72708-13	205158.0010.0001	Brick	03-Jul-13 14:14	05-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			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 5740	D	µg/kg dry	5740	4290	100	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	X
11104-28-2	Aroclor-1221	< 5740	D	µg/kg dry	5740	5170	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 5740	D	µg/kg dry	5740	3690	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 5740	D	µg/kg dry	5740	3450	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 5740	D	µg/kg dry	5740	2980	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	240,000	D	µg/kg dry	5740	4780	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 5740	D	µg/kg dry	5740	3560	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 5740	D	µg/kg dry	5740	5350	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 5740	D	µg/kg dry	5740	2370	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	99.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316071	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
14 SB72708-14	205158.0010.0001	Brick	03-Jul-13 14:10	05-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	< 61.4		µg/kg dry	61.4	45.9	1	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	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	39.5	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	32.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	3,470		µg/kg dry	61.4	36.0	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]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316071	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
16 SB72708-16	205158.0010.0001	Concrete	03-Jul-13 14:42	05-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			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 29900	D	µg/kg dry	29900	22300	500	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	X
11104-28-2	Aroclor-1221	< 29900	D	µg/kg dry	29900	26900	500	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 29900	D	µg/kg dry	29900	19200	500	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 29900	D	µg/kg dry	29900	18000	500	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 29900	D	µg/kg dry	29900	16500	500	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,400,000	D	µg/kg dry	29900	24900	500	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 29900	D	µg/kg dry	29900	18500	500	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 29900	D	µg/kg dry	29900	27800	500	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 29900	D	µg/kg dry	29900	12300	500	"	"	"	"	"	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	99.3		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316071	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
17 SB72708-17	205158.0010.0001	Concrete	03-Jul-13 14:37	05-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	< 59.5		µg/kg dry	59.5	44.4	1	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	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	7,270		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)*	*65*			*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]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
19 SB72708-19	205158.0010.0001	Soil	03-Jul-13 13:35	05-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	< 25.7		µg/kg dry	25.7	19.2	1	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	X
11104-28-2	Aroclor-1221	< 25.7		µg/kg dry	25.7	23.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.7		µg/kg dry	25.7	16.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.7		µg/kg dry	25.7	15.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.7		µg/kg dry	25.7	13.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,280		µg/kg dry	25.7	21.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.7		µg/kg dry	25.7	16.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.7		µg/kg dry	25.7	24.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.7		µg/kg dry	25.7	10.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	76.2		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
20 SB72708-20	205158.0010.0001	Soil	03-Jul-13 13:38	05-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	< 26.1		µg/kg dry	26.1	19.5	1	SW846 8082A	10-Jul-13	12-Jul-13	IMR	1316237	X
11104-28-2	Aroclor-1221	< 26.1		µg/kg dry	26.1	23.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 26.1		µg/kg dry	26.1	16.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 26.1		µg/kg dry	26.1	15.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 26.1		µg/kg dry	26.1	13.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,420		µg/kg dry	26.1	21.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 26.1		µg/kg dry	26.1	16.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 26.1		µg/kg dry	26.1	24.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.1		µg/kg dry	26.1	10.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octefluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	75.0		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
21 SB72708-21	205158.0010.0001	Soil	03-Jul-13 13:40	05-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	< 26.5		µg/kg dry	26.5	19.8	1	SW846 8082A	11-Jul-13	12-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 26.5		µg/kg dry	26.5	23.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 26.5		µg/kg dry	26.5	17.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 26.5		µg/kg dry	26.5	15.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 26.5		µg/kg dry	26.5	13.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,290		µg/kg dry	26.5	22.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 26.5		µg/kg dry	26.5	16.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 26.5		µg/kg dry	26.5	24.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.5		µg/kg dry	26.5	10.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	75.1		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
22 SB72708-22	205158.0010.0001	Soil	03-Jul-13 13:43	05-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	< 27.2		µg/kg dry	27.2	20.3	1	SW846 8082A	11-Jul-13	12-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 27.2		µg/kg dry	27.2	24.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 27.2		µg/kg dry	27.2	17.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 27.2		µg/kg dry	27.2	16.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 27.2		µg/kg dry	27.2	14.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,710		µg/kg dry	27.2	22.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 27.2		µg/kg dry	27.2	16.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 27.2		µg/kg dry	27.2	25.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.2		µg/kg dry	27.2	11.2	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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	72.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
23 SB72708-23	205158.0010.0001	Soil	03-Jul-13 13:45	05-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	< 25.5		µg/kg dry	25.5	19.1	1	SW846 8082A	11-Jul-13	12-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 25.5		µg/kg dry	25.5	23.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.5		µg/kg dry	25.5	16.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.5		µg/kg dry	25.5	15.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.5		µg/kg dry	25.5	13.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	993		µg/kg dry	25.5	21.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.5		µg/kg dry	25.5	15.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.5		µg/kg dry	25.5	23.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.5		µg/kg dry	25.5	10.5	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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	78.0		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
24 SB72708-24	205158.0010.0001	Soil	03-Jul-13 13:47	05-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	< 24.2		µg/kg dry	24.2	18.1	1	SW846 8082A	11-Jul-13	12-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 24.2		µg/kg dry	24.2	21.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.2		µg/kg dry	24.2	15.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.2		µg/kg dry	24.2	14.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.2		µg/kg dry	24.2	12.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	908		µg/kg dry	24.2	20.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.2		µg/kg dry	24.2	15.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.2		µg/kg dry	24.2	22.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.2		µg/kg dry	24.2	10.0	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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	80.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
25 SB72708-25	205158.0010.0001	Soil	03-Jul-13 13:50	05-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	< 27.4		µg/kg dry	27.4	20.5	1	SW846 8082A	11-Jul-13	12-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 27.4		µg/kg dry	27.4	24.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 27.4		µg/kg dry	27.4	17.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 27.4		µg/kg dry	27.4	16.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 27.4		µg/kg dry	27.4	14.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,290		µg/kg dry	27.4	22.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 27.4		µg/kg dry	27.4	17.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 27.4		µg/kg dry	27.4	25.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.4		µg/kg dry	27.4	11.3	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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	73.0		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
26 SB72708-26	205158.0010.0001	Soil	03-Jul-13 13:52	05-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	< 23.8		µg/kg dry	23.8	17.8	1	SW846 8082A	11-Jul-13	12-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 23.8		µg/kg dry	23.8	21.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.8		µg/kg dry	23.8	15.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.8		µg/kg dry	23.8	14.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.8		µg/kg dry	23.8	12.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,180		µg/kg dry	23.8	19.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.8		µg/kg dry	23.8	14.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.8		µg/kg dry	23.8	22.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.8		µg/kg dry	23.8	9.83	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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	82.8		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
27 SB72708-27	205158.0010.0001	Soil	03-Jul-13 13:55	05-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			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 251	D	µg/kg dry	251	188	10	SW846 8082A	11-Jul-13	15-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 251	D	µg/kg dry	251	226	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 251	D	µg/kg dry	251	161	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 251	D	µg/kg dry	251	151	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 251	D	µg/kg dry	251	131	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	13,200	D	µg/kg dry	251	209	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 251	D	µg/kg dry	251	156	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 251	D	µg/kg dry	251	234	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 251	D	µg/kg dry	251	104	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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	78.1		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
28 SB72708-28	205158.0010.0001	Soil	03-Jul-13 13:57	05-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	< 21.9		µg/kg dry	21.9	16.4	1	SW846 8082A	11-Jul-13	12-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 21.9		µg/kg dry	21.9	19.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.9		µg/kg dry	21.9	14.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.9		µg/kg dry	21.9	13.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.9		µg/kg dry	21.9	11.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	926		µg/kg dry	21.9	18.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.9		µg/kg dry	21.9	13.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.9		µg/kg dry	21.9	20.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.9		µg/kg dry	21.9	9.03	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]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.3		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
29 SB72708-29	205158.0010.0001	Soil	03-Jul-13 13:59	05-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	< 25.0		µg/kg dry	25.0	18.6	1	SW846 8082A	11-Jul-13	12-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 25.0		µg/kg dry	25.0	22.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.0		µg/kg dry	25.0	16.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.0		µg/kg dry	25.0	15.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.0		µg/kg dry	25.0	13.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,890		µg/kg dry	25.0	20.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.0		µg/kg dry	25.0	15.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.0		µg/kg dry	25.0	23.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.0		µg/kg dry	25.0	10.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	79.1		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
30 SB72708-30	205158.0010.0001	Soil	03-Jul-13 15:10	05-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	< 22.6		µg/kg dry	22.6	16.9	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 22.6		µg/kg dry	22.6	20.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.6		µg/kg dry	22.6	14.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.6		µg/kg dry	22.6	13.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.6		µg/kg dry	22.6	11.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,270		µg/kg dry	22.6	18.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.6		µg/kg dry	22.6	14.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.6		µg/kg dry	22.6	21.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.6		µg/kg dry	22.6	9.32	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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	67.7		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
31 SB72708-31	205158.0010.0001	Brick	03-Jul-13 15:26	05-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	< 67.6		µg/kg dry	67.6	50.5	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316332	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	40.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.6		µg/kg dry	67.6	35.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	112		µg/kg dry	67.6	39.6	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	63.0	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]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
32 SB72708-32	205158.0010.0001	Brick	03-Jul-13 15:29	05-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	< 67.7		µg/kg dry	67.7	50.6	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316332	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	43.5	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 [2C]	173		µg/kg dry	67.7	39.6	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	63.1	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)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
33 SB72708-33	205158.0010.0001	Soil	03-Jul-13 15:11	05-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	< 22.3		µg/kg dry	22.3	16.7	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 22.3		µg/kg dry	22.3	20.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.3		µg/kg dry	22.3	14.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.3		µg/kg dry	22.3	13.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.3		µg/kg dry	22.3	11.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,230		µg/kg dry	22.3	13.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.3		µg/kg dry	22.3	13.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.3		µg/kg dry	22.3	20.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.3		µg/kg dry	22.3	9.21	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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.2		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
34 SB72708-34	205158.0010.0001	Brick	05-Jul-13 08:51	05-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	< 68.5		µg/kg dry	68.5	51.2	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 68.5		µg/kg dry	68.5	61.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 68.5		µg/kg dry	68.5	44.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 68.5		µg/kg dry	68.5	41.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 68.5		µg/kg dry	68.5	35.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 68.5		µg/kg dry	68.5	57.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 68.5		µg/kg dry	68.5	42.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 68.5		µg/kg dry	68.5	63.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 68.5		µg/kg dry	68.5	28.3	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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	90.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
35 SB72708-35	205158.0010.0001	Brick	05-Jul-13 08:55	05-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	< 71.7		µg/kg dry	71.7	53.6	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 71.7		µg/kg dry	71.7	64.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 71.7		µg/kg dry	71.7	46.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 71.7		µg/kg dry	71.7	43.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 71.7		µg/kg dry	71.7	37.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 71.7		µg/kg dry	71.7	59.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 71.7		µg/kg dry	71.7	44.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 71.7		µg/kg dry	71.7	66.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 71.7		µg/kg dry	71.7	29.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
36 SB72708-36	205158.0010.0001	Brick	05-Jul-13 09:00	05-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	< 71.9		µg/kg dry	71.9	53.7	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 71.9		µg/kg dry	71.9	64.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 71.9		µg/kg dry	71.9	46.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 71.9		µg/kg dry	71.9	43.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 71.9		µg/kg dry	71.9	37.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	119		µg/kg dry	71.9	60.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 71.9		µg/kg dry	71.9	44.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 71.9		µg/kg dry	71.9	67.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 71.9		µg/kg dry	71.9	29.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.4		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
37 SB72708-37	205158.0010.0001	Brick	05-Jul-13 09:03	05-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	< 71.1		µg/kg dry	71.1	53.1	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 71.1		µg/kg dry	71.1	64.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 71.1		µg/kg dry	71.1	45.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 71.1		µg/kg dry	71.1	42.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 71.1		µg/kg dry	71.1	37.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	227		µg/kg dry	71.1	41.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 71.1		µg/kg dry	71.1	44.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 71.1		µg/kg dry	71.1	66.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 71.1		µg/kg dry	71.1	29.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	90.8		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316072	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
38 SB72708-38	205158.0010.0001	Brick	05-Jul-13 09:07	05-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	< 70.9		µg/kg dry	70.9	52.9	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 70.9		µg/kg dry	70.9	63.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 70.9		µg/kg dry	70.9	45.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 70.9		µg/kg dry	70.9	42.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 70.9		µg/kg dry	70.9	36.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,310		µg/kg dry	70.9	41.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 70.9		µg/kg dry	70.9	43.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 70.9		µg/kg dry	70.9	66.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 70.9		µg/kg dry	70.9	29.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	91.6		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
39 SB72708-39	205158.0010.0001	Soil	05-Jul-13 08:35	05-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	< 25.4		µg/kg dry	25.4	19.0	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 25.4		µg/kg dry	25.4	22.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.4		µg/kg dry	25.4	16.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.4		µg/kg dry	25.4	15.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.4		µg/kg dry	25.4	13.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,080		µg/kg dry	25.4	21.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.4		µg/kg dry	25.4	15.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.4		µg/kg dry	25.4	23.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.4		µg/kg dry	25.4	10.5	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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	78.4		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
40 SB72708-40	205158.0010.0001	Soil	05-Jul-13 08:37	05-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	< 25.6		µg/kg dry	25.6	19.1	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316332	X
11104-28-2	Aroclor-1221	< 25.6		µg/kg dry	25.6	23.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.6		µg/kg dry	25.6	16.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.6		µg/kg dry	25.6	15.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.6		µg/kg dry	25.6	13.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	527		µg/kg dry	25.6	21.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.6		µg/kg dry	25.6	15.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.6		µg/kg dry	25.6	23.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.6		µg/kg dry	25.6	10.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	77.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
41 SB72708-41	205158.0010.0001	Soil	05-Jul-13 08:40	05-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	< 25.0		µg/kg dry	25.0	18.7	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 25.0		µg/kg dry	25.0	22.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.0		µg/kg dry	25.0	16.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.0		µg/kg dry	25.0	15.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.0		µg/kg dry	25.0	13.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**950**		µg/kg dry	25.0	20.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.0		µg/kg dry	25.0	15.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.0		µg/kg dry	25.0	23.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.0		µg/kg dry	25.0	10.3	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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	76.8		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
42 SB72708-42	205158.0010.0001	Soil	05-Jul-13 08:41	05-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	< 25.5		µg/kg dry	25.5	19.0	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 25.5		µg/kg dry	25.5	23.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.5		µg/kg dry	25.5	16.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.5		µg/kg dry	25.5	15.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.5		µg/kg dry	25.5	13.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	361		µg/kg dry	25.5	21.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.5		µg/kg dry	25.5	15.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.5		µg/kg dry	25.5	23.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.5		µg/kg dry	25.5	10.5	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]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	78.3		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
43 SB72708-43	205158.0010.0001	Soil	05-Jul-13 08:43	05-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	< 25.2		µg/kg dry	25.2	18.8	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 25.2		µg/kg dry	25.2	22.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.2		µg/kg dry	25.2	16.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.2		µg/kg dry	25.2	15.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.2		µg/kg dry	25.2	13.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	541		µg/kg dry	25.2	21.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.2		µg/kg dry	25.2	15.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.2		µg/kg dry	25.2	23.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.2		µg/kg dry	25.2	10.4	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)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	76.7		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
44 SB72708-44	205158.0010.0001	Soil	05-Jul-13 08:46	05-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	< 25.6		µg/kg dry	25.6	19.1	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 25.6		µg/kg dry	25.6	23.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.6		µg/kg dry	25.6	16.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.6		µg/kg dry	25.6	15.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.6		µg/kg dry	25.6	13.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,670		µg/kg dry	25.6	21.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.6		µg/kg dry	25.6	15.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.6		µg/kg dry	25.6	23.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.6		µg/kg dry	25.6	10.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	74.7		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
45 SB72708-45	205158.0010.0001	Concrete	05-Jul-13 09:25	05-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	< 61.0		µg/kg dry	61.0	45.6	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	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	50.8	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)*	*85*			*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	98.4		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
46 SB72708-46	205158.0010.0001	Concrete	05-Jul-13 09:22	05-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	< 58.5		µg/kg dry	58.5	43.7	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	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	37.5	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	48.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.5		µg/kg dry	58.5	36.2	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]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
47 SB72708-47	205158.0010.0001	Concrete	05-Jul-13 09:18	05-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	< 19.1		µg/kg dry	19.1	14.3	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 19.1		µg/kg dry	19.1	17.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.1		µg/kg dry	19.1	12.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.1		µg/kg dry	19.1	11.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.1		µg/kg dry	19.1	9.96	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.1		µg/kg dry	19.1	16.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.1		µg/kg dry	19.1	11.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.1		µg/kg dry	19.1	17.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.1		µg/kg dry	19.1	7.90	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]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
48 SB72708-48	205158.0010.0001	Concrete	05-Jul-13 09:15	05-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	< 67.2		µg/kg dry	67.2	50.2	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	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]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
49 SB72708-49	205158.0010.0001	Concrete	05-Jul-13 09:11	05-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	< 56.9		µg/kg dry	56.9	42.5	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 56.9		µg/kg dry	56.9	51.2	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 [2C]	159		µg/kg dry	56.9	33.3	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)*	*80*			*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]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
50 SB72708-50	205158.0010.0001	Brick	05-Jul-13 09:29	05-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	< 104		µg/kg dry	104	77.4	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 104		µg/kg dry	104	93.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 104		µg/kg dry	104	66.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 104		µg/kg dry	104	62.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 104		µg/kg dry	104	53.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 104		µg/kg dry	104	86.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 104		µg/kg dry	104	64.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 104		µg/kg dry	104	96.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 104		µg/kg dry	104	42.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
51 SB72708-51	205158.0010.0001	Brick	05-Jul-13 09:32	05-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	< 72.6		µg/kg dry	72.6	54.2	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 72.6		µg/kg dry	72.6	65.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 72.6		µg/kg dry	72.6	46.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 72.6		µg/kg dry	72.6	43.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 72.6		µg/kg dry	72.6	37.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	109		µg/kg dry	72.6	60.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 72.6		µg/kg dry	72.6	45.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 72.6		µg/kg dry	72.6	67.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 72.6		µg/kg dry	72.6	30.0	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)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.3		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
52 SB72708-52	205158.0010.0001	Brick	05-Jul-13 09:35	05-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	< 66.1		µg/kg dry	66.1	49.4	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	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)*	*85*			*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]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.8		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
53 SB72708-53	205158.0010.0001	Brick	05-Jul-13 09:39	05-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	< 67.2		µg/kg dry	67.2	50.2	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	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	43.1	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	41.7	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)*	*90*			*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]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	94.7		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
54 SB72708-54	205158.0010.0001	Brick	05-Jul-13 10:05	05-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	< 67.3		µg/kg dry	67.3	50.3	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316336	X
11104-28-2	Aroclor-1221	< 67.3		µg/kg dry	67.3	60.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.3		µg/kg dry	67.3	43.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.3		µg/kg dry	67.3	40.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.3		µg/kg dry	67.3	35.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	488		µg/kg dry	67.3	39.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 67.3		µg/kg dry	67.3	41.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.3		µg/kg dry	67.3	62.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.3		µg/kg dry	67.3	27.8	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)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.3		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
55 SB72708-55	205158.0010.0001	Brick	05-Jul-13 10:08	05-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	< 62.0		µg/kg dry	62.0	46.3	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	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)*	*90*			*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]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.2		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
56 SB72708-56	205158.0010.0001	Brick	05-Jul-13 10:10	05-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			P02										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 547		µg/kg dry	547	408	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 547		µg/kg dry	547	493	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 547		µg/kg dry	547	351	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 547		µg/kg dry	547	329	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 547		µg/kg dry	547	284	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	875		µg/kg dry	547	320	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 547		µg/kg dry	547	339	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 547		µg/kg dry	547	509	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 547		µg/kg dry	547	226	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)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.7		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
57 SB72708-57	205158.0010.0001	Brick	05-Jul-13 10:35	05-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	< 68.4		µg/kg dry	68.4	51.1	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 68.4		µg/kg dry	68.4	61.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 68.4		µg/kg dry	68.4	43.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 68.4		µg/kg dry	68.4	41.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 68.4		µg/kg dry	68.4	35.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 68.4		µg/kg dry	68.4	57.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 68.4		µg/kg dry	68.4	42.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 68.4		µg/kg dry	68.4	63.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 68.4		µg/kg dry	68.4	28.2	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)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
58 SB72708-58	205158.0010.0001	Brick	05-Jul-13 10:38	05-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	< 59.1		µg/kg dry	59.1	44.2	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 59.1		µg/kg dry	59.1	53.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.1		µg/kg dry	59.1	38.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.1		µg/kg dry	59.1	35.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.1		µg/kg dry	59.1	30.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.1		µg/kg dry	59.1	49.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.1		µg/kg dry	59.1	36.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.1		µg/kg dry	59.1	55.1	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)*	*85*			*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	93.2		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316074	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
59 SB72708-59	205158.0010.0001	Brick	05-Jul-13 10:41	05-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	< 73.1		µg/kg dry	73.1	54.6	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 73.1		µg/kg dry	73.1	65.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 73.1		µg/kg dry	73.1	46.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 73.1		µg/kg dry	73.1	43.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 73.1		µg/kg dry	73.1	38.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	< 73.1		µg/kg dry	73.1	42.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 73.1		µg/kg dry	73.1	45.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 73.1		µg/kg dry	73.1	68.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 73.1		µg/kg dry	73.1	30.1	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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	90.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
60 SB72708-60	205158.0010.0001	Brick	05-Jul-13 10:43	05-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	< 68.9		µg/kg dry	68.9	51.5	1	SW846 8082A	11-Jul-13	13-Jul-13	BLM	1316335	X
11104-28-2	Aroclor-1221	< 68.9		µg/kg dry	68.9	62.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 68.9		µg/kg dry	68.9	44.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 68.9		µg/kg dry	68.9	41.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 68.9		µg/kg dry	68.9	35.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 68.9		µg/kg dry	68.9	57.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 68.9		µg/kg dry	68.9	42.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 68.9		µg/kg dry	68.9	64.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 68.9		µg/kg dry	68.9	28.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.3		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
61 SB72708-61	205158.0010.0001	Concrete	05-Jul-13 10:50	05-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	< 66.9		µg/kg dry	66.9	50.0	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	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]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
62 SB72708-62	205158.0010.0001	Concrete	05-Jul-13 10:53	05-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	< 20.3		µg/kg dry	20.3	15.2	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	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	13.1	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	10.6	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	8.39	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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
63 SB72708-63	205158.0010.0001	Concrete	05-Jul-13 10:57	05-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	< 67.3		µg/kg dry	67.3	50.3	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 67.3		µg/kg dry	67.3	60.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.3		µg/kg dry	67.3	43.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.3		µg/kg dry	67.3	40.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.3		µg/kg dry	67.3	35.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 67.3		µg/kg dry	67.3	58.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 67.3		µg/kg dry	67.3	41.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.3		µg/kg dry	67.3	62.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.3		µg/kg dry	67.3	27.8	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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.3		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
64 SB72708-64	205158.0010.0001	Concrete	05-Jul-13 11:00	05-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	< 67.2		µg/kg dry	67.2	50.2	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	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)*	*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]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
65 SB72708-65	205158.0010.0001	Concrete	05-Jul-13 11:02	05-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	< 66.5		µg/kg dry	66.5	49.6	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	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)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
66 SB72708-66	205158.0010.0001	Concrete	05-Jul-13 11:04	05-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	< 67.7		µg/kg dry	67.7	50.6	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	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)*	*70*			*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]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
67 SB72708-67	205158.0010.0001	Brick	05-Jul-13 11:12	05-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	< 65.4		µg/kg dry	65.4	48.9	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	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	61.0	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)*	*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]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.2		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
68 SB72708-68	205158.0010.0001	Brick	05-Jul-13 11:16	05-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	< 64.7		µg/kg dry	64.7	48.4	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	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	41.6	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	188		µg/kg dry	64.7	54.0	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)*	*65*			*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	99.5		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
69 SB72708-69	205158.0010.0001	Soil	05-Jul-13 11:18	05-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	< 24.3		µg/kg dry	24.3	18.1	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 24.3		µg/kg dry	24.3	21.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.3		µg/kg dry	24.3	15.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.3		µg/kg dry	24.3	14.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.3		µg/kg dry	24.3	12.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	591		µg/kg dry	24.3	20.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.3		µg/kg dry	24.3	15.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.3		µg/kg dry	24.3	22.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.3		µg/kg dry	24.3	10.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	81.0		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
70 SB72708-70	205158.0010.0001	Soil	05-Jul-13 11:19	05-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	< 24.8		µg/kg dry	24.8	18.5	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 24.8		µg/kg dry	24.8	22.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.8		µg/kg dry	24.8	15.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.8		µg/kg dry	24.8	14.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.8		µg/kg dry	24.8	12.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	952		µg/kg dry	24.8	20.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.8		µg/kg dry	24.8	15.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.8		µg/kg dry	24.8	23.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.8		µg/kg dry	24.8	10.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	75.9		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
71 SB72708-71	205158.0010.0001	Soil	05-Jul-13 11:21	05-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	< 24.3		µg/kg dry	24.3	18.2	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 24.3		µg/kg dry	24.3	21.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.3		µg/kg dry	24.3	15.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.3		µg/kg dry	24.3	14.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.3		µg/kg dry	24.3	12.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,280		µg/kg dry	24.3	20.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.3		µg/kg dry	24.3	15.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.3		µg/kg dry	24.3	22.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.3		µg/kg dry	24.3	10.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphanyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphanyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	80.4		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
72 SB72708-72	205158.0010.0001	Soil	05-Jul-13 11:23	05-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	< 25.0		µg/kg dry	25.0	18.7	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 25.0		µg/kg dry	25.0	22.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.0		µg/kg dry	25.0	16.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 25.0		µg/kg dry	25.0	15.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 25.0		µg/kg dry	25.0	13.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	912		µg/kg dry	25.0	20.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 25.0		µg/kg dry	25.0	15.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.0		µg/kg dry	25.0	23.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.0		µg/kg dry	25.0	10.3	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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	76.2		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
73 SB72708-73	205158.0010.0001	Soil	05-Jul-13 11:24	05-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	< 24.4		µg/kg dry	24.4	18.2	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 24.4		µg/kg dry	24.4	22.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.4		µg/kg dry	24.4	15.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.4		µg/kg dry	24.4	14.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.4		µg/kg dry	24.4	12.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,770		µg/kg dry	24.4	20.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.4		µg/kg dry	24.4	15.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.4		µg/kg dry	24.4	22.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.4		µg/kg dry	24.4	10.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*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]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	80.4		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
74 SB72708-74	205158.0010.0001	Soil	05-Jul-13 11:26	05-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	< 23.3		µg/kg dry	23.3	17.4	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 23.3		µg/kg dry	23.3	21.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.3		µg/kg dry	23.3	15.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.3		µg/kg dry	23.3	14.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.3		µg/kg dry	23.3	12.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,210		µg/kg dry	23.3	19.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.3		µg/kg dry	23.3	14.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.3		µg/kg dry	23.3	21.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.3		µg/kg dry	23.3	9.63	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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	79.6		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
75 SB72708-75	205158.0010.0001	Brick	05-Jul-13 11:30	05-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	< 70.9		µg/kg dry	70.9	53.0	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 70.9		µg/kg dry	70.9	63.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 70.9		µg/kg dry	70.9	45.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 70.9		µg/kg dry	70.9	42.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 70.9		µg/kg dry	70.9	36.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 70.9		µg/kg dry	70.9	59.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 70.9		µg/kg dry	70.9	44.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 70.9		µg/kg dry	70.9	66.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 70.9		µg/kg dry	70.9	29.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.5		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
76	205158.0010.0001	Brick	05-Jul-13 11:33	05-Jul-13
SB72708-76				

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	< 67.3		µg/kg dry	67.3	50.3	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 67.3		µg/kg dry	67.3	60.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.3		µg/kg dry	67.3	43.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.3		µg/kg dry	67.3	40.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.3		µg/kg dry	67.3	35.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 67.3		µg/kg dry	67.3	56.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 67.3		µg/kg dry	67.3	41.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.3		µg/kg dry	67.3	62.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.3		µg/kg dry	67.3	27.8	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)*	100			30-150 %			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	100			30-150 %			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	94.3		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
77 SB72708-77	205158.0010.0001	Brick	05-Jul-13 11:38	05-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	< 65.9		µg/kg dry	65.9	49.3	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	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	39.7	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	55.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.9		µg/kg dry	65.9	40.9	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)*	*65*			*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	92.5		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316076	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
78	205158.0010.0001	Brick	05-Jul-13 11:40	05-Jul-13
SB72708-78				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R02										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 539		µg/kg dry	539	403	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 539		µg/kg dry	539	486	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 539		µg/kg dry	539	346	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 539		µg/kg dry	539	324	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 539		µg/kg dry	539	281	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 539		µg/kg dry	539	450	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 539		µg/kg dry	539	334	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 539		µg/kg dry	539	503	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 539		µg/kg dry	539	223	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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.6		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316077	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
79	205158.0010.0001	Brick	05-Jul-13 11:47	05-Jul-13
SB72708-79				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	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	51.0	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 68.2		µg/kg dry	68.2	61.5	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	< 68.2		µg/kg dry	68.2	56.9	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	63.6	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)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.3		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316077	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
80 SB72708-80	205158.0010.0001	Brick	05-Jul-13 11:50	05-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	< 69.0		µg/kg dry	69.0	51.6	1	SW846 8082A	11-Jul-13	12-Jul-13	IMR	1316336	X
11104-28-2	Aroclor-1221	< 69.0		µg/kg dry	69.0	62.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 69.0		µg/kg dry	69.0	44.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 69.0		µg/kg dry	69.0	41.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 69.0		µg/kg dry	69.0	35.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 69.0		µg/kg dry	69.0	57.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 69.0		µg/kg dry	69.0	42.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 69.0		µg/kg dry	69.0	64.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 69.0		µg/kg dry	69.0	28.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	90.4		%			1	SM2540 G Mod.	09-Jul-13	09-Jul-13	DT	1316077	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1316094 - SW846 3540C										
Blank (1316094-BLK1)					Prepared: 09-Jul-13 Analyzed: 11-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)	*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)	*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 (1316094-BS1)					Prepared: 09-Jul-13 Analyzed: 11-Jul-13					
Aroclor-1016	**261**		µg/kg wet	20.0	250		104	40-140		
Aroclor-1016 [2C]	**226**		µg/kg wet	20.0	250		90	40-140		
Aroclor-1260	**258**		µg/kg wet	20.0	250		103	40-140		
Aroclor-1260 [2C]	**252**		µg/kg wet	20.0	250		101	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)	*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 Dup (1316094-BSD1)					Prepared: 09-Jul-13 Analyzed: 11-Jul-13					
Aroclor-1016	**251**		µg/kg wet	20.0	250		100	40-140	4	30
Aroclor-1016 [2C]	**230**		µg/kg wet	20.0	250		92	40-140	2	30
Aroclor-1260	**264**		µg/kg wet	20.0	250		106	40-140	2	30
Aroclor-1260 [2C]	**236**		µg/kg wet	20.0	250		94	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Batch 1316237 - SW846 3540C										
Blank (1316237-BLK1)					Prepared: 10-Jul-13 Analyzed: 11-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						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1316237 - SW846 3540C										
Blank (1316237-BLK1)					Prepared: 10-Jul-13 Analyzed: 11-Jul-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)	*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)	*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 (1316237-BS1)					Prepared: 10-Jul-13 Analyzed: 11-Jul-13					
Aroclor-1016	**194**		µg/kg wet	20.0	250		78	40-140		
Aroclor-1016 [2C]	**207**		µg/kg wet	20.0	250		83	40-140		
Aroclor-1260	**207**		µg/kg wet	20.0	250		83	40-140		
Aroclor-1260 [2C]	**204**		µg/kg wet	20.0	250		82	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]	*13.0*		µg/kg wet		*20.0*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1316237-BSD1)					Prepared: 10-Jul-13 Analyzed: 11-Jul-13					
Aroclor-1016	**210**		µg/kg wet	20.0	250		84	40-140	8	30
Aroclor-1016 [2C]	**200**		µg/kg wet	20.0	250		80	40-140	3	30
Aroclor-1260	**206**		µg/kg wet	20.0	250		82	40-140	0.5	30
Aroclor-1260 [2C]	**192**		µg/kg wet	20.0	250		77	40-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*14.0*		µg/kg wet		*20.0*		*70*	*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*		
Batch 1316332 - SW846 3540C										
Blank (1316332-BLK1)					Prepared: 11-Jul-13 Analyzed: 12-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						

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 1316332 - SW846 3540C										
Blank (1316332-BLK1)					Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
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)	*26.0*		µg/kg wet		*20.0*		*130*	*30-150*		
Surrogate: Decachlorobiphanyl (Sr) [2C]	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
LCS (1316332-BS1)					Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1016	**241**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1016 [2C]	**241**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1260	**249**		µg/kg wet	20.0	250		100	40-140		
Aroclor-1260 [2C]	**248**		µg/kg wet	20.0	250		99	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]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1316332-BSD1)					Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1016	**270**		µg/kg wet	20.0	250		108	40-140	11	30
Aroclor-1016 [2C]	**242**		µg/kg wet	20.0	250		97	40-140	0.4	30
Aroclor-1260	**248**		µg/kg wet	20.0	250		99	40-140	0.4	30
Aroclor-1260 [2C]	**243**		µg/kg wet	20.0	250		97	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]	*16.0*		µg/kg wet		*20.0*		*80*	*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 (1316332-DUP1)			**Source: SB72708-23**		Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1016	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1016 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1221	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1221 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1232	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1232 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1242	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1242 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1248	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1248 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1254	**964**		µg/kg dry	25.6		993			3	30
Aroclor-1254 [2C]	**941**		µg/kg dry	25.6		909			3	30
Aroclor-1260	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1260 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1262	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1262 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1268	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1268 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.5*		µg/kg dry		*25.6*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.2*		µg/kg dry		*25.6*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.2*		µg/kg dry		*25.6*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.6*		µg/kg dry		*25.6*		*100*	*30-150*		
Matrix Spike (1316332-MS1)			**Source: SB72708-40**		Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1016	**240**		µg/kg dry	25.6	320	BRL	75	40-140		
Aroclor-1016 [2C]	**206**		µg/kg dry	25.6	320	BRL	64	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 1316332 - SW846 3540C										
Matrix Spike (1316332-MS1)			Source: SB72708-40		Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1260	**370**		µg/kg dry	25.6	320	BRL	116	40-140		
Aroclor-1260 [2C]	**354**		µg/kg dry	25.6	320	BRL	110	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.4*		µg/kg dry		*25.6*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.4*		µg/kg dry		*25.6*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.4*		µg/kg dry		*25.6*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.5*		µg/kg dry		*25.6*		*80*	*30-150*		
Matrix Spike Dup (1316332-MSD1)			Source: SB72708-40		Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1016	**259**		µg/kg dry	25.5	319	BRL	81	40-140	8	30
Aroclor-1016 [2C]	**213**		µg/kg dry	25.5	319	BRL	67	40-140	4	30
Aroclor-1260	**445**		µg/kg dry	25.5	319	BRL	140	40-140	19	30
Aroclor-1260 [2C]	**425**		µg/kg dry	25.5	319	BRL	133	40-140	19	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg dry		*25.5*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.6*		µg/kg dry		*25.5*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.2*		µg/kg dry		*25.5*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.2*		µg/kg dry		*25.5*		*95*	*30-150*		
Batch 1316335 - SW846 3540C										
Blank (1316335-BLK1)					Prepared: 11-Jul-13 Analyzed: 13-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)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
LCS (1316335-BS1)					Prepared: 11-Jul-13 Analyzed: 13-Jul-13					
Aroclor-1016	**250**		µg/kg wet	20.0	250		100	40-140		
Aroclor-1016 [2C]	**225**		µg/kg wet	20.0	250		90	40-140		
Aroclor-1260	**245**		µg/kg wet	20.0	250		98	40-140		
Aroclor-1260 [2C]	**237**		µg/kg wet	20.0	250		95	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]	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
LCS Dup (1316335-BSD1)					Prepared: 11-Jul-13 Analyzed: 13-Jul-13					
Aroclor-1016	**242**		µg/kg wet	20.0	250		97	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 1316335 - SW846 3540C										
LCS Dup (1316335-BSD1)					Prepared: 11-Jul-13 Analyzed: 13-Jul-13					
Aroclor-1016 [2C]	**219**		µg/kg wet	20.0	250		88	40-140	3	30
Aroclor-1260	**242**		µg/kg wet	20.0	250		97	40-140	1	30
Aroclor-1260 [2C]	**242**		µg/kg wet	20.0	250		97	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]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Duplicate (1316335-DUP1)			**Source: SB72708-41**		Prepared: 11-Jul-13 Analyzed: 13-Jul-13					
Aroclor-1016	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1016 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1221	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1221 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1232	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1232 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1242	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1242 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1248	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1248 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1254	**1250**		µg/kg dry	25.6		950			27	30
Aroclor-1254 [2C]	**1100**		µg/kg dry	25.6		860			24	30
Aroclor-1260	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1260 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1262	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1262 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1268	< 25.6		µg/kg dry	25.6		BRL				30
Aroclor-1268 [2C]	< 25.6		µg/kg dry	25.6		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.2*		µg/kg dry		*25.6*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.9*		µg/kg dry		*25.6*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.8*		µg/kg dry		*25.6*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.6*		µg/kg dry		*25.6*		*100*	*30-150*		
Matrix Spike (1316335-MS1)			**Source: SB72708-42**		Prepared: 11-Jul-13 Analyzed: 13-Jul-13					
Aroclor-1016	**258**		µg/kg dry	25.0	313	BRL	82	40-140		
Aroclor-1016 [2C]	**213**		µg/kg dry	25.0	313	BRL	68	40-140		
Aroclor-1260	**381**		µg/kg dry	25.0	313	BRL	122	40-140		
Aroclor-1260 [2C]	**366**		µg/kg dry	25.0	313	BRL	117	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.5*		µg/kg dry		*25.0*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.3*		µg/kg dry		*25.0*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.0*		µg/kg dry		*25.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.8*		µg/kg dry		*25.0*		*95*	*30-150*		
Matrix Spike Dup (1316335-MSD1)			**Source: SB72708-42**		Prepared: 11-Jul-13 Analyzed: 13-Jul-13					
Aroclor-1016	**244**		µg/kg dry	24.8	310	BRL	79	40-140	4	30
Aroclor-1016 [2C]	**197**		µg/kg dry	24.8	310	BRL	64	40-140	7	30
Aroclor-1260	**359**		µg/kg dry	24.8	310	BRL	116	40-140	5	30
Aroclor-1260 [2C]	**368**		µg/kg dry	24.8	310	BRL	119	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg dry		*24.8*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.1*		µg/kg dry		*24.8*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.8*		µg/kg dry		*24.8*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.5*		µg/kg dry		*24.8*		*95*	*30-150*		
Batch 1316336 - SW846 3540C										
Blank (1316336-BLK1)					Prepared: 11-Jul-13 Analyzed: 12-Jul-13					

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1316336 - SW846 3540C										
Blank (1316336-BLK1)					Prepared: 11-Jul-13 Analyzed: 12-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)	*42.0*		µg/kg wet		*40.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*47.0*		µg/kg wet		*40.0*		*118*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*36.0*		µg/kg wet		*40.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*36.0*		µg/kg wet		*40.0*		*95*	*30-150*		
LCS (1316336-BS1)					Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1016	**221**		µg/kg wet	20.0	250		88	40-140		
Aroclor-1016 [2C]	**224**		µg/kg wet	20.0	250		90	40-140		
Aroclor-1260	**231**		µg/kg wet	20.0	250		92	40-140		
Aroclor-1260 [2C]	**205**		µg/kg wet	20.0	250		82	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)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS Dup (1316336-BSD1)					Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1016	**221**		µg/kg wet	20.0	250		88	40-140	0	30
Aroclor-1016 [2C]	**224**		µg/kg wet	20.0	250		90	40-140	0	30
Aroclor-1260	**234**		µg/kg wet	20.0	250		94	40-140	1	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)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Duplicate (1316336-DUP1)			**Source: SB72708-69**		Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1016	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1016 [2C]	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1221	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1221 [2C]	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1232	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1232 [2C]	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1242	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1242 [2C]	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1248	< 22.8		µg/kg dry	22.8		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 1316336 - SW846 3540C										
Duplicate (1316336-DUP1)			**Source: SB72708-69**		Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1248 [2C]	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1254	**578**		µg/kg dry	22.8		591			2	30
Aroclor-1254 [2C]	**476**		µg/kg dry	22.8		556			15	30
Aroclor-1260	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1260 [2C]	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1262	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1262 [2C]	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1268	< 22.8		µg/kg dry	22.8		BRL				30
Aroclor-1268 [2C]	< 22.8		µg/kg dry	22.8		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.5*		µg/kg dry		*22.8*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.5*		µg/kg dry		*22.8*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.4*		µg/kg dry		*22.8*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.5*		µg/kg dry		*22.8*		*90*	*30-150*		
Matrix Spike (1316336-MS1)			**Source: SB72708-69**		Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1016	**211**		µg/kg dry	23.2	290	BRL	73	40-140		
Aroclor-1016 [2C]	**208**		µg/kg dry	23.2	290	BRL	72	40-140		
Aroclor-1260	**273**		µg/kg dry	23.2	290	BRL	94	40-140		
Aroclor-1260 [2C]	**317**		µg/kg dry	23.2	290	BRL	109	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.9*		µg/kg dry		*23.2*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*29.0*		µg/kg dry		*23.2*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.7*		µg/kg dry		*23.2*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.6*		µg/kg dry		*23.2*		*110*	*30-150*		
Matrix Spike Dup (1316336-MSD1)			**Source: SB72708-69**		Prepared: 11-Jul-13 Analyzed: 12-Jul-13					
Aroclor-1016	227		µg/kg dry	24.0	300	BRL	76	40-140	4	30
Aroclor-1016 [2C]	**227**		µg/kg dry	24.0	300	BRL	76	40-140	5	30
Aroclor-1260	**330**		µg/kg dry	24.0	300	BRL	110	40-140	16	30
Aroclor-1260 [2C]	**327**		µg/kg dry	24.0	300	BRL	109	40-140	0	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.6*		µg/kg dry		*24.0*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.8*		µg/kg dry		*24.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.6*		µg/kg dry		*24.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg dry		*24.0*		*100*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1316072 - General Preparation										
Duplicate (1316072-DUP1)			Source: SB72708-17			Prepared & Analyzed: 09-Jul-13				
% Solids	99.6		%			99.6			0.004	20
Batch 1316074 - General Preparation										
Duplicate (1316074-DUP1)			Source: SB72708-39			Prepared & Analyzed: 09-Jul-13				
% Solids	79.2		%			78.4			1	20
Batch 1316076 - General Preparation										
Duplicate (1316076-DUP1)			Source: SB72708-56			Prepared & Analyzed: 09-Jul-13				
% Solids	94.2		%			93.7			0.6	20
Batch 1316077 - General Preparation										
Duplicate (1316077-DUP1)			Source: SB72708-78			Prepared & Analyzed: 09-Jul-13				
% Solids	96.6		%			95.6			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.
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.
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
Rebecca Merz

*Hold all 6" samples until results obtained for 0" and 3"

SB72708 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

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
TRC
21 Griffin Rd. N
Windsor, CT 06095
Telephone #: (860) 798-5689
Project Mgr. same

Invoice To: same
P.O. No.: ______ RQN: ______

Project No.: 205158.0010.0001
Site Name: Kent Memorial Library
Location: Suffield State: CT
Sampler(s): J. Gentile

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= Brick X2= Concrete X3= Soil

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	EPA 8082/3540							State-specific reporting standards:
72708-01	01	7/3/13	1030	G	X2		1			X							BC1 0" Conc. Substrate
02	02	↓	1024	↓	↓		↓			↓							" 3" " "
03	03	↓	1020	↓	↓		↓			↓							" 6" " "
04	04	↓	1117	↓	X1		↓			↓							WC1 0" Brick Substrate
05	05	↓	1114	↓	↓		↓			↓							" 3" " "
06	06	↓	1109	↓	↓		↓			↓							" 6" " "
07	07	↓	1137	↓	X2		↓			↓							WC1 0" Conc. Substrate
08	08	↓	1132	↓	↓		↓			↓							" 3" " "
09	09	↓	1128	↓	↓		↓			↓							" 6" " "
10	10	↓	1200	↓	X1		↓			↓							BC1 0" Brick Substrate

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic. Analyses: EPA 8082/3540

Int. ↓ Gt.

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
JC	JH	7/5/13	1210	4.0/0/4.0

☐ 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

Revised Feb 2012

1203

* Hold all 6" samples until results obtained for 0" and 3"

SB72708OIC

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HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 8

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: H. Laliberte

Telephone #:

Project Mgr.

Invoice To: same

P.O. No.: RQN:

Project No.: 20515a.0010.0001

Site Name: Kent Memorial Library

Location: Suffield State: CT

Sampler(s): J. Gentile

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=

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

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	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: EPA 8082/3540		QA/QC Reporting Notes: State-specific reporting standards:	
72708-11	11	7/3/13	1200	G	X1		1			X		BC1 3" Brick Substrate	Ext.
12	12		1156				↓					" 6" " "	
13	13		1414					1				WC1 0" Brick Substrate	
14	14		1410									" 3" " "	
15	15		1405		↓							" 6" " "	
16	16		1442		X2							WC2 0" Conc. Substrate	Int.
17	17		1437									" 3" " "	
18	18		1433		↓			↓				" 6" " "	
19	19		1335		X3		1					WC1 Surface Sample	Ext.
20	20	↓	1338	↓	↓		↓			↓		" " "	

Relinquished by:	Received by:	Date:	Time:	Temp°C
		7/5/13	715	
			1215	4.0

☐ 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

SB72718-OC

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 8

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: H. Laliberte

Telephone #:

Project Mgr.

Invoice To: same

P.O. No.: RQN:

Project No.: 205158 0010 C001

Site Name: Kent Memorial Library

Location: Suffield State: CT

Sampler(s): J. Gentile

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= Soil

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: EPA 8082/3546	State-specific reporting standards:
72718-21	21	7/3/13	1340	G	X3		1			X	WC1 Surface Sample
22	22		1343								
23	23		1345								
24	24		1347								
25	25		1350								
26	26		1352								
27	27		1355								
28	28		1357								
29	29		1359								
30	30		1510					1			BC1 Surface Sample

ext

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
		7/5/13	1216	4.0/0/4.0

☐ 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

SB72708 UC

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 8

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: H. Laliberte

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: RQN:

Project No.: 205158.0010.0001

Site Name: Kent Memorial Library

Location: Suffield State: CT

Sampler(s): J. Gentile / B. Behrens

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= Brick X2= Concrete X3= Soil

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

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

Analyses: EPA 8260 | 8510

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	EPA 8260 / 8510	QA/QC Reporting Notes
72708-31	31	7/3/13	1526	G	X1			1		X	WC1 Surface Sample
-32	32	↓	1529	↓	↓			↓		↓	↓
33	33	↓	1511	↓	X3			↓		↓	BC1 Surface Sample
34	34	7/5/13	851	↓	X1			1		↓	WC1/BC1 " "
35	35	↓	855	↓	↓			↓		↓	↓
36	36	↓	900	↓	↓			↓		↓	↓
37	37	↓	903	↓	↓			↓		↓	BC1 Surface Sample
38	38	↓	907	↓	↓			↓		↓	↓
39	39	↓	835	↓	X3			↓		↓	↓
40	40	↓	837	↓	↓			↓		↓	↓

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	7/5/13	1210	4.0/0

☐ 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

SB72708 OK

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 8

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. Laliberte

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: RQN:

Project No.: 205158.0012.0001

Site Name: Kent Memorial Library

Location: Suffield State: CT

Sampler(s): J. Gentile / B. Behrens

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= Brick X2= Concrete X3= Soil

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: CPH EDB2/3540	
SB72708-41	41	7/5/13	840	G	X3			1		X	BC1 Surface Sample
42	42		841								
43	43		843								
44	44		846		↓						
45	45		925		X2						
46	46		922								
47	47		918								
48	48		915								
49	49		911		↓						
50	50	↓	929	↓	X1			↓		↓	↓

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

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

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
		7/5/13	1210	4.0/4.0

☐ 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

SB 72708:OC

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

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

Invoice To: same

Project No.: 205158.0010.0001

Site Name: Kent Memorial Library

Location: Suffield State: CT

Telephone #:

Project Mgr.

P.O. No.: RQN:

Sampler(s): J Gentile / B. Behrens

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= Brick X2= Concrete X3= Soil

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	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: EPA 8082/3540	
72708-51	51	7/5/13	932	G	X1			1		X	WCS/BC1 Surface Sample
52	52		935								↓
53	53		939								WC1 Surface Sample
54	54		1005								↓
55	55		1008								
56	56		1010								WC1/BC1 Surface Sample
57	57		1035								↓
58	58		1038								
59	59		1041								BC1 Surface Sample
60	60		1043								

Relinquished by:	Received by:	Date:	Time:	Temp°C
	JLM	7/5/13	1210	21.0/0.4.6

☐ 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

SB72708 01C

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: _____
- 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

Invoice To: Same

Project No.: 205158 0010 0001

Site Name: Kent Memorial Library

Location: Suffield State: CT

Telephone #:

Project Mgr.

P.O. No.: RQN:

Sampler(s): J Gentile / B. Behrens

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= Brick X2= Concrete X3= Soil

Containers:

Analyses:

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

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

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	EPA 8260B/8540	
72708-61	61	7/5/13	1050	G	X2			1		X	BC1 surface Sample
62	62		1053								
63	63		1058								
64	64		1100								
65	65		1102								
66	66		1104		↓						
67	67		1112		X1						
68	68		1116		↓						
69	69		1118		X3						
70	70	↓	1119	↓	↓			↓		↓	

Relinquished by:	Received by:	Date:	Time:	Temp°C
		7/5/13	1210	4.4/4.9

☐ 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

SB 72708 OC

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 8 of 8

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: H. Laliberte

Telephone #:

Project Mgr.

Invoice To: same

P.O. No.: RQN:

Project No.: 205158.0010.0001

Site Name: Kent Memorial Library

Location: Suffield State: CT

Sampler(s): J. Gentile / B Behrens

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= Soil*

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: EPA 8082/3540	QA/QC Reporting Notes: State-specific reporting standards:
72708-71	71	7/5/13	1121	G	X3			1		X	BCL Surface Sample
72	72		1123								
73	73		1124								
74	74		1126		↓						
75	75		1130		X1						
76	76		1133								
77	77		1136								
78	78		1140								
79	79		1147								MCL/BCL Surface Sample
80	80		1150								

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

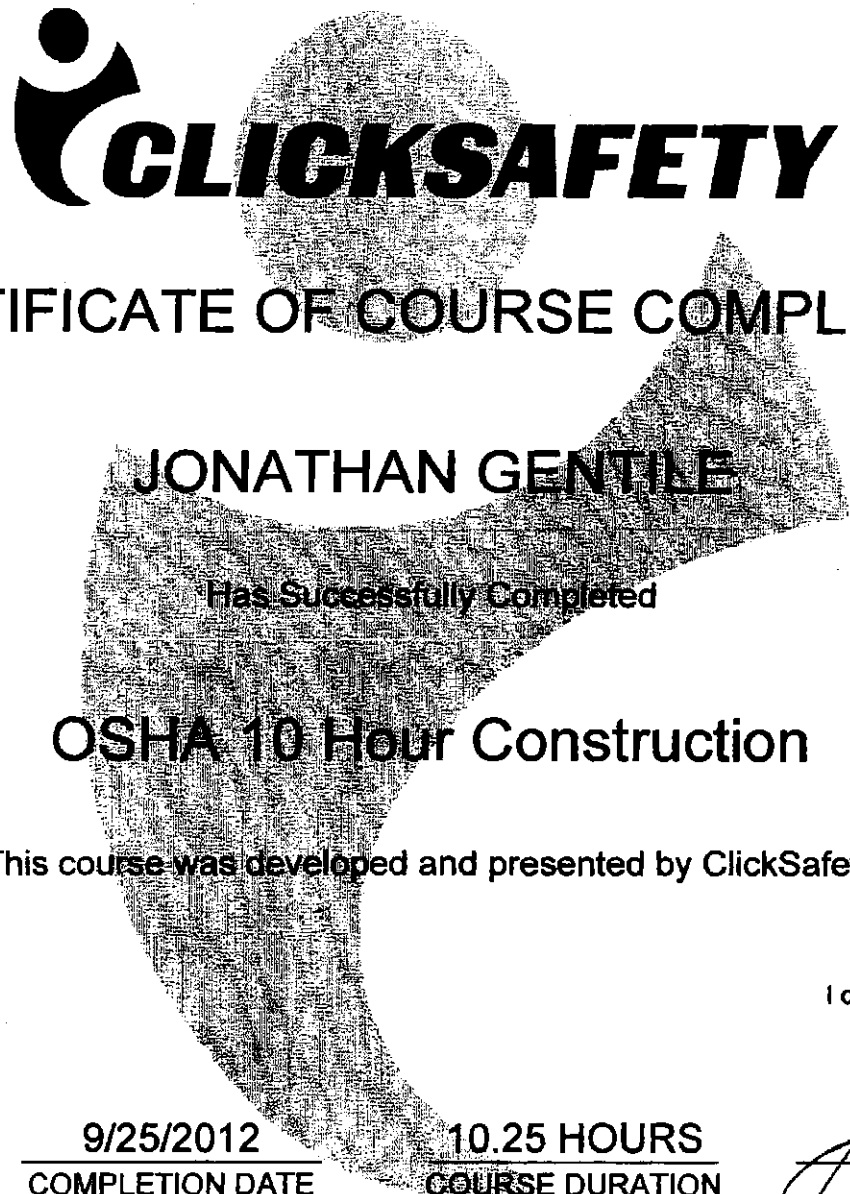
Relinquished by:	Received by:	Date:	Time:	Temp °C
		7/5/13	1210	4.0/4.0

☐ 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

APPENDIX C

TRC INSPECTOR/LABORATORY CERTIFICATIONS



CERTIFICATE OF COURSE COMPLETION

JONATHAN GENTILE

Has Successfully Completed

OSHA 10 Hour Construction

This course was developed and presented by ClickSafety

I confirm that I personally took the course listed above.

6303264	9/25/2012	10.25 HOURS	
SERIAL NUMBER	COMPLETION DATE	COURSE DURATION	STUDENT SIGNATURE

TRC Academy

This is to certify that:

Jonathan Gentile

TRAINEE

has successfully completed the following course:

HAZWOPER 8 Hr. OSHA Refresher

COURSE TITLE

According to the TRC Academy records, the trainee has completed the above-titled course. By signature, the trainee and/or authorized individual attests that the individual identified as the trainee completed all requirements of the course without assistance. An authorized signature is not required for any course taken through The TRC Academy. Course completion is tracked electronically, therefore an additional signature is not necessary. Additional demonstration of skills or on the job training may be required by some regulations and are beyond the scope of this course. In such cases, trainees will be notified of the additional requirements.

LEARNER

4263626

CERTIFICATE NUMBER

AND/OR AUTHORIZED INDIVIDUAL

ISSUED THIS **11** DAY OF **2, 2013**

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

SPECTRUM ANALYTICAL, INC.

LOCATED AT 11 Almgren Drive IN Agawam, Massachusetts 01001

AND REGISTERED IN THE NAME OF Hanibal C. Tayeh

THIS CERTIFICATE IS ISSUED IN THE NAME OF Nicole Leja, Director (Chemistry)
June O'Connor, Co-Director (Microbiology) WHO HAS BEEN DESIGNATED

BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

DRINKING WATER, NON-POTABLE WATER/WASTEWATER, SOLID WASTE/SOIL

Examination For:

BACTERIA

INORGANIC CHEMICALS

ORGANIC CHEMICALS

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES September 30, 2013 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 14th DAY OF October, 2011

Registration No.
PH-0777

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION

ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

CERTIFIED ANALYTES REPORT
FOR ALL MATRICES

Spectrum Analytical, Inc.

CT-APP-NUM PH-0777

LOCATION

11 ALMGREN DRIVE

Agawam **MA** **01001-**

PHONE **(800)-789-9115**

REGISTERED OWNER/ AUTHORIZED AGENT Hanibal C. Tayeh, Ph.D

DIRECTOR Nicole Leja

CO DIRECTOR(S) June O'Conner

APPROVED BY _____ DATE 08/21/2012 8:47:06 AM

DERMOT T. JONES

LABORATORY APPROVAL EXPIRATION DATE 09/30/2013

LABORATORY STATUS APPROVED

ANY QUESTIONS CONCERNING THIS DOCUMENT SHOULD BE ADDRESSED TO
THE ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM AT (860) 509-7389

DRINKING WATER (SDWA)

STATUS REPORTED ON 08/21/2012

SOC: REGULATED SYNTHETIC ORGANIC CHEMICAL WITH MINIMUM MDL REQUIREMENTS

ANALYTE NAME

MICROBIOLOGY/BACTERIA

TOT COLIFORM -MF MI Medium (EPA 1604)

E. COLI - MF MI Medium (EPA1604)

HPC - POUR PLATE (SM9215B)

FECAL COLIFORM - MF m-FC (SM9222D)

PHYSICALS

COLOR

pH

TURBIDITY

CONDUCTIVITY

MINERALS

ALKALINITY

CHLORIDE

CHLORINE, TOTAL & FREE RESIDUAL

CHLORINE, TOTAL RESIDUAL

FLUORIDE

HARDNESS, CALCIUM

SILICA

SULFATE

NUTRIENTS

NITRATE

NITRITE

O-PHOSPHATE

METALS

ALUMINUM

ANTIMONY

ARSENIC

BARIUM

BERYLLIUM

BORON

CADMIUM

CALCIUM

CHROMIUM

COPPER

IRON

LEAD

MAGNESIUM

MANGANESE

MERCURY

MOLYBDENUM

NICKEL

POTASSIUM

SELENIUM

SILVER

SODIUM

THALLIUM

VANADIUM

ZINC

RESIDUE

TOTAL DISSOLVED SOLIDS

DEMANDS

TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)

CORROSIVITY

ORGANIC DISINFECTION BY-PRODUCTS

BROMOCHLOROACETIC ACID

DIBROMOACETIC ACID

DICHLOROACETIC ACID

BROMOACETIC ACID

CHLOROACETIC ACID

TRICHLOROACETIC ACID

VOLATILE ORGANICS

VOLATILE ORGANICS - 524.2 (SOC)

1,2-DIBROMO-3-CHLOROPROPANE 504.1 (DBCP) (SOC)

1,4-DIOXANE (Mod 8260)

TOTAL TRIHALOMETHANES 524.2 (SOC)

ETHYLENE DIBROMIDE 504.1 (EDB) (SOC)

NON-POTABLE WATER/ WASTEWATER

STATUS REPORTED ON 08/21/2012

ANALYTE NAME

MICROBIOLOGY/BACTERIA

E. COLI - MF MI Medium (EPA1604)
HPC - POUR PLATE (SM9215B)
FECAL COLIFORM - MF m-FC (SM9222D)
ENTEROCOCCUS - MF mEI Agar (EPA1600)

PHYSICALS

COLOR
pH
TURBIDITY
CONDUCTIVITY

MINERALS

ACIDITY
ALKALINITY
CHLORIDE
CHLORINE, TOTAL RESIDUAL
FLUORIDE
HARDNESS, TOTAL
HARDNESS, CALCIUM
SILICA
SULFATE
SULFIDE

NUTRIENTS

AMMONIA
KJELDAHL NITROGEN
NITRATE
NITRITE
O-PHOSPHATE
TOTAL PHOSPHOROUS

METALS

ALUMINUM
ANTIMONY
ARSENIC
BARIUM
BERYLLIUM
BORON
CADMIUM
CALCIUM
CHROMIUM
CHROMIUM - Hexavalent
COBALT
COPPER
IRON
LEAD
MAGNESIUM
MANGANESE
MERCURY
MOLYBDENUM
NICKEL
POTASSIUM
SELENIUM
SILVER
SODIUM
STRONTIUM
THALLIUM
TIN
TITANIUM
VANADIUM
ZINC

RESIDUE

TOTAL RESIDUE (SOLIDS)
TOTAL DISSOLVED SOLIDS
TOTAL SUSPENDED SOLIDS

DEMANDS

BOD
CARBONACEOUS BOD
COD
TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)

INORGANIC DISINFECTION BY-PRODUCTS

BROMIDE

PESTICIDES/ PCB's

POLYCHLORINATED BIPHENYLS
PCB IN OIL

ORGANOCHLORINE PESTICIDES (Single Response)

CHLORDANE (TECHNICAL)

TOXAPHENE

SOLVENTS

OIL AND GREASE

CT Extractable Petroleum Hydrocarbons (ETPH)

MA Volatile Petroleum Hydrocarbons (VPH)

MA Extractable Petroleum Hydrocarbons (EPH)

HERBICIDES

DALAPON

DICAMBA

DINOSEB

2,4-D

2,4-DB

2,4,5-T

DICHLOROPROP

2,4,5-TP (SILVEX)

ORGANICS

ACID EXTRACTABLES (PHENOLS)

BENZIDINES

PHTHALATE ESTERS

NITROSAMINES

NITROAROMATICS & ISOPHORONE

POLYNUCLEAR AROMATIC HYDROCARBONS

HALOETHERS

CHLORINATED HYDROCARBONS

VOLATILE ORGANICS

SOLID WASTE/SOIL

STATUS REPORTED ON 08/21/2012

ANALYTE NAME

ENVIRONMENTAL HEALTH & HOUSING

LEAD IN DUST WIPES
LEAD IN PAINT

PHYSICALS

pH

METALS

ALUMINUM
ANTIMONY
ARSENIC
BARIUM
BERYLLIUM
BORON
CADMIUM
CALCIUM
CHROMIUM
CHROMIUM - Hexavalent
COBALT
COPPER
IRON
LEAD
MAGNESIUM
MANGANESE
MERCURY
MOLYBDENUM
NICKEL
POTASSIUM
SELENIUM
SILVER
SODIUM
STRONTIUM
THALLIUM
TIN
TITANIUM
VANADIUM
ZINC

MISCELLANEOUS

CYANIDE (TOTAL)
IGNITABILITY
CORROSIVITY
TCLP LEACH (1311)
SPLP LEACH (1312)
REACTIVITY

PESTICIDES/ PCB's

POLYCHLORINATED BIPHENYLS
PCB IN OIL
ORGANOCHLORINE PESTICIDES (Single Response)
CHLORDANE (TECHNICAL)
TOXAPHENE

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)
MA Volatile Petroleum Hydrocarbons (VPH)
MA Extractable Petroleum Hydrocarbons (EPH)

HERBICIDES

DALAPON
DICAMBA
DINOSEB
2,4-D
2,4-DB
2,4,5-T
DICHLOROPROP
2,4,5-TP (SILVEX)
MCPA
MCPP

RCRA (SW-846) ORGANICS

VOLATILE ORGANICS (SW 8260)
ACID EXTRACTABLES (PHENOLS) (SW 8270)
BENZIDINES (SW 8270)
PHTHALATES (SW 8270)
NITROSOAMINES (SW 8270)
NITROAROMATICS & CYCLIC KETONES (SW 8270)
PAH's (SW 8270)
HALOETHERS (SW 8270)
CHLORINATED HYDROCARBONS (SW 8270)

END OF SECTION FOR Spectrum Analytical, Inc.

REPORT PROFILE

Report Printed on:	08/21/2012 8:47:06 AM	lab code = ID1150P
Report Name:	APPROVED TESTS_ALT_NEW	test code = *
Printed by:	dermot	matrix code = *
Report published from:	CERTIFICATION REPORTS screen #3	matrix selection = ALL OR SOME MATRICES SELECTED
		certifications approved or provisional on 08/21/2012

THIS IS THE LAST PAGE OF THE REPORT

SCOPE OF ACCREDITATION TO ISO/IEC 17025: 2005

SPECTRUM ANALYTICAL, INC.
11 Almgren Drive and 830 Silver Street
Agawam, MA 01001
Nicole Leja Phone: (413) 789-9018
nleja@spectrum-analytical.com

ENVIRONMENTAL

Valid To: January 31, 2014 Certificate Number: 3226.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2005, the 2003 NELAC Chapter 5 Standard, and the requirements of the DoD Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 4.2 of the DoD Quality Systems Manual for Environmental Laboratories) accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Testing Technologies

ICP-AES Spectrometry, ICP/MS, Gas Chromatography, Gas Chromatography/Mass Spectrometry, Gravimetry, Ion Chromatography, Misc.- Electronic Probes (pH, O_2), Oxygen Demand, Hazardous Waste Characteristics Tests, Spectrophotometry (Visible), Spectrophotometry (Automated), IR Spectrometry, Titrimetry, Total Organic Carbon, Turbidity

Parameter/Analyte	Air	Nonpotable Water	Solid Hazardous Waste	
			Aqueous	Solid
Metals				
Aluminum	----------	EPA 6010C	EPA 6010C	EPA 6010C
Antimony	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Arsenic	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Barium	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Beryllium	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Boron	----------	EPA 6010C	EPA 6010C	EPA 6010C
Cadmium	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Calcium	----------	EPA 6010C	EPA 6010C	EPA 6010C
Chromium	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Cobalt	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Copper	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Iron	----------	EPA 6010C	EPA 6010C	EPA 6010C
Lead	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Magnesium	----------	EPA 6010C	EPA 6010C	EPA 6010C
Manganese	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Mercury	----------	EPA 245.1 / 7470A	EPA 7471B	EPA 7471B
Molybdenum	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C

Parameter/Analyte	Air	Nonpotable Water	Solid Hazardous Waste	
			Aqueous	Solid
Nickel	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Potassium	----------	EPA 6010C	EPA 6010C	EPA 6010C
Selenium	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Silicon	----------	EPA 6010C	----------	----------
Silver	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Sodium	----------	EPA 6010C	EPA 6010C	EPA 6010C
Strontium	----------	EPA 6010C	EPA 6010C	EPA 6010C
Hexavalent Chromium	----------	EPA 7196A / SM 3500-Cr D	EPA 7196A	EPA 7196A
Thallium	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Tin	----------	EPA 6010C	EPA 6010C	EPA 6010C
Titanium	----------	EPA 6010C	EPA 6010C	EPA 6010C
Vanadium	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Zinc	----------	EPA 6010C / 6020A	EPA 6010C	EPA 6010C
Nutrients				
Ammonia (as N)	----------	EPA 350.1 / SM 4500 NH3-C	----------	----------
Total Kjeldahl Nitrogen	----------	SM 4500 NH3 C EPA 351.2	----------	----------
Nitrate (as N)	----------	EPA 300.0 / 353.2	----------	----------
Nitrate & Nitrite (as N)	----------	EPA 300.0 / 353.2	----------	----------
Nitrite (as N)	----------	EPA 300.0 / 353.2	----------	----------
Orthophosphate (as P)	----------	ASTM D515-88 A	----------	----------
Total Phosphorus	----------	ASTM D515-88 A	----------	----------
Demands				
Biochemical Oxygen Demand	----------	SM 5210B	----------	----------
Carbonaceous BOD	----------	SM 5210B	----------	----------
Chemical Oxygen Demand	----------	HACH 8000	----------	----------
Total Organic Carbon	----------	SM 5310B	Lloyd Kahn Method	Lloyd Kahn Method
Wet Chemistry				
Acidity	----------	SM 2310B	----------	----------
Alkalinity	----------	SM 2320B	----------	----------
Chloride	----------	EPA 300.0	----------	----------
Chlorine (Free residual)	----------	SM 4500-Cl G	----------	----------
Chlorine (Total residual)	----------	SM 4500-Cl G	----------	----------
Cyanide	----------	EPA 335.4 / 9012B	EPA 9012B	EPA 9012B
Fluoride	----------	EPA 300.0	----------	----------
Calcium Hardness	----------	SM 2340B	----------	----------
Total Hardness	----------	SM 2340B	----------	----------
pH	----------	ASTM D1293-84 / 90 / 99 (A or B)	EPA 9045D	EPA 9045D
Bromide	----------	EPA 300.0	----------	----------
Color	----------	SM 2120B	----------	----------
Corrosivity	----------	SM 2330	----------	----------

Parameter/Analyte	Air	Nonpotable Water	Solid Hazardous Waste	
			Aqueous	Solid
Corrosivity (as pH)	----------	----------	EPA 9045D	EPA 9045D
Total Petroleum Hydrocarbons	----------	EPA 1664A	----------	----------
Oil and Grease	----------	EPA 1664A	----------	----------
Total Solids	----------	SM 2540B	----------	----------
Settle Able Solids	----------	SM 2540F	----------	----------
Total Dissolved Solids	----------	SM 2540C	----------	----------
Total Suspended Solids	----------	SM 2540D	----------	----------
Specific conductance	----------	SM 2510B	----------	----------
Sulfate	----------	EPA 300.0	----------	----------
Sulfide	----------	SM 4500-S D	----------	----------
Turbidity	----------	EPA 180.1	----------	----------
Ignitability	----------	----------	----------	EPA 1010A / 1030
Free Liquids	----------	----------	EPA 9095B	EPA 9095B
Reactivity	----------	----------	EPA SW 846 Ch 7	EPA SW 846 Ch 7
Purgeable Organics (volatiles)				
Acetone	----------	EPA 8260C	EPA 8260C	EPA 8260C
Acrolein	----------	EPA 8260C	----------	----------
Acrylonitrile	----------	EPA 8260C	EPA 8260C	EPA 8260C
Benzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Bromobenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Bromochloromethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
Bromodichloromethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
Bromoform	----------	EPA 8260C	EPA 8260C	EPA 8260C
Bromomethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
2-Butanone (MEK)	----------	EPA 8260C	EPA 8260C	EPA 8260C
n-Buytlbenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
sec-Butylbenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
tert-Butylbenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Carbon disulfide	----------	EPA 8260C	EPA 8260C	EPA 8260C
Carbon tetrachloride	----------	EPA 8260C	EPA 8260C	EPA 8260C
Chlorobenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Chloroethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
2-Chloroethyl vinyl ether	----------	EPA 8260C	----------	----------
Chloroform	----------	EPA 8260C	EPA 8260C	EPA 8260C
Chloromethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
2-Chlorotoluene	----------	EPA 8260C	EPA 8260C	EPA 8260C
4-Chlorotoluene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Dibromochloromethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,2-Dibromo-3-chloropropane (DBCP)	----------	EPA 8260C	EPA 8260C	EPA 8260C
Dibromomethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,2 Dibromoethane (EDB)	----------	EPA 8260C	EPA 8260C	EPA 8260C
trans-1,4-Dichloro-2-butene	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,2-Dichlorobenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,3-Dichlorobenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,4-Dichlorobenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C

Parameter/Analyte	Air	Nonpotable Water	Solid Hazardous Waste	
			Aqueous	Solid
Dichlorodifluoromethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,1-Dichloroethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,2-Dichloroethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,1-Dichloroethene	----------	EPA 8260C	EPA 8260C	EPA 8260C
cis-1,2-Dichloroethene	----------	EPA 8260C	EPA 8260C	EPA 8260C
trans-1,2-Dichloroethene	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,2-Dichloropropane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,3-Dichloropropane	----------	EPA 8260C	EPA 8260C	EPA 8260C
2,2-Dichloropropane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,1-Dichloropropene	----------	EPA 8260C	EPA 8260C	EPA 8260C
cis-1,3-Dichloropropene	----------	EPA 8260C	EPA 8260C	EPA 8260C
trans-1,3-Dichloropropene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Ethyl ether	----------	EPA 8260C	EPA 8260C	EPA 8260C
Ethanol	----------	EPA 8260C	EPA 8260C	EPA 8260C
Ethylbenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Gas Range Organics (GRO)	----------	EPA 8015B	EPA 8015B	EPA 8015B
2-Hexanone (MBK)	----------	EPA 8260C	EPA 8260C	EPA 8260C
Hexachlorobutadiene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Isopropylbenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
4-Isopropyltoluene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Methylene chloride	----------	EPA 8260C	EPA 8260C	EPA 8260C
4-Methyl-2-pentanone (MIBK)	----------	EPA 8260C	EPA 8260C	EPA 8260C
Naphthalene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Methyl tert-butyl ether	----------	EPA 8260C	EPA 8260C	EPA 8260C
n-Propylbenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Styrene	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,1,1,2-Tetrachloroethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,1,2,2-Tetrachloroethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
Tetrachloroethene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Toluene	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,2,3-Trichlorobenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,2,4-Trichlorobenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,3,5-Trichlorobenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,1,1-Trichloroethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,1,2-Trichloroethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,1,2-Trichlorotrifluoroethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
Trichloroethene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Trichlorofluoromethane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,2,3-Trichloropropane	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,2,4-Trimethylbenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,3,5-Trimethylbenzene	----------	EPA 8260C	EPA 8260C	EPA 8260C
Tetrahydrofuran	----------	EPA 8260C	EPA 8260C	EPA 8260C
Vinyl acetate	----------	EPA 8260C	----------	----------
Vinyl chloride	----------	EPA 8260C	EPA 8260C	EPA 8260C
m,p-Xylene	----------	EPA 8260C	EPA 8260C	EPA 8260C
o-Xylene	----------	EPA 8260C	EPA 8260C	EPA 8260C
tert-amyl methyl ether	----------	EPA 8260C	EPA 8260C	EPA 8260C
Ethyl tert-butyl ether	----------	EPA 8260C	EPA 8260C	EPA 8260C

Parameter/Analyte	Air	Nonpotable Water	Solid Hazardous Waste	
			Aqueous	Solid
Di-isopropyl ether	----------	EPA 8260C	EPA 8260C	EPA 8260C
tert-Butanol	----------	EPA 8260C	EPA 8260C	EPA 8260C
1,4-Dioxane	----------	EPA 8260C	EPA 8260C	EPA 8260C
MA-VPH (Carbon Ranges and Targets)	----------	MA-VPH	MA-VPH	MA-VPH
Extractable Organics (semivolatiles)				
Acenaphthene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Acenaphthylene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Aniline	----------	EPA 8270D	EPA 8270D	EPA 8270D
Anthracene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Azobenzene/Diphenyldiazine	----------	EPA 8270D	EPA 8270D	EPA 8270D
Benzidine	----------	EPA 8270D	EPA 8270D	EPA 8270D
Benzoic acid	----------	EPA 8270D	EPA 8270D	EPA 8270D
Benzo (a) anthracene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Benzo (b) fluoranthene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Benzo (k) fluoranthene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Benzo (ghi) fluoranthene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Benzo (a) pyrene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Benzyl alcohol	----------	EPA 8270D	EPA 8270D	EPA 8270D
Bis (2-chloroethoxy)methane	----------	EPA 8270D	EPA 8270D	EPA 8270D
Bis (2-chloroethyl) ether	----------	EPA 8270D	EPA 8270D	EPA 8270D
Bis (2-chloroisopropyl) ether	----------	EPA 8270D	EPA 8270D	EPA 8270D
Bis (2-ethylhexyl) phthalate	----------	EPA 8270D	EPA 8270D	EPA 8270D
4-Bromophenyl phenyl ether	----------	EPA 8270D	EPA 8270D	EPA 8270D
Butyl benzyl phthalate	----------	EPA 8270D	EPA 8270D	EPA 8270D
4,6-Dinitro-2-methylphenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
4-Chloroaniline	----------	EPA 8270D	EPA 8270D	EPA 8270D
Carbazole	----------	EPA 8270D	EPA 8270D	EPA 8270D
4-Chloro-3-methylphenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
2-Chloronaphthalene	----------	EPA 8270D	EPA 8270D	EPA 8270D
2-Chlorophenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
4-Chlorophenyl phenyl ether	----------	EPA 8270D	EPA 8270D	EPA 8270D
Chrysene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Dibenzo (a,h) anthracene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Dibenzofuran	----------	EPA 8270D	EPA 8270D	EPA 8270D
1,2-Dichlorobenzene	----------	EPA 8270D	EPA 8270D	EPA 8270D

Parameter/Analyte	Air	Nonpotable Water	Solid Hazardous Waste	
			Aqueous	Solid
1,3-Dichlorobenzene	----------	EPA 8270D	EPA 8270D	EPA 8270D
1,4-Dichlorobenzene	----------	EPA 8270D	EPA 8270D	EPA 8270D
3,3'-Dichlorobenzidine	----------	EPA 8270D	EPA 8270D	EPA 8270D
2,4-Dichlorophenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
Diethyl phthalate	----------	EPA 8270D	EPA 8270D	EPA 8270D
2,4-Dimethylphenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
Dimethyl phthalate	----------	EPA 8270D	EPA 8270D	EPA 8270D
Di-n-butyl phthalate	----------	EPA 8270D	EPA 8270D	EPA 8270D
Di-n-octyl phthalate	----------	EPA 8270D	EPA 8270D	EPA 8270D
2,4-Dinitrophenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
2,4-Dinitrotoluene	----------	EPA 8270D	EPA 8270D	EPA 8270D
2,6-Dinitrotoluene	----------	EPA 8270D	EPA 8270D	EPA 8270D
Diesel Range Organics	----------	EPA 8015C (modified)	EPA 8015C (modified)	EPA 8015C (modified)
Fluoroanthene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Fluorene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Hexachlorobenzene	----------	EPA 8270D	EPA 8270D	EPA 8270D
Hexachlorobutadiene	----------	EPA 8270D	EPA 8270D	EPA 8270D
Hexachlorocyclopentadiene	----------	EPA 8270D	EPA 8270D	EPA 8270D
Hexachloroethane	----------	EPA 8270D	EPA 8270D	EPA 8270D
Indeno (1,2,3-cd) pyrene		EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Isophorone	----------	EPA 8270D	EPA 8270D	EPA 8270D
1-Methylnaphthalene		EPA 8270D	EPA 8270D	EPA 8270D
2-Methylnaphthalene		EPA 8270D	EPA 8270D	EPA 8270D
2-Methylphenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
3&4-Methylphenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
Naphthalene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
2-Nitroaniline	----------	EPA 8270D	EPA 8270D	EPA 8270D
3-Nitroaniline	----------	EPA 8270D	EPA 8270D	EPA 8270D
4-Nitroaniline	----------	EPA 8270D	EPA 8270D	EPA 8270D
Nitrobenzene	----------	EPA 8270D	EPA 8270D	EPA 8270D
2-Nitrophenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
4-Nitrophenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
N-Nitrosodimethylamine	----------	EPA 8270D	EPA 8270D	EPA 8270D
N-Nitrosodi-n-propylamine	----------	EPA 8270D	EPA 8270D	EPA 8270D
N-Nitrosodiphenylamine	----------	EPA 8270D	EPA 8270D	EPA 8270D
Pentachloronitrobenzene	----------	EPA 8270D	EPA 8270D	EPA 8270D
Pentachlorophenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
Phenanthrene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Phenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
Pyrene	----------	EPA 8270D / 8270D-SIM	EPA 8270D	EPA 8270D
Pyridine	----------	EPA 8270D	EPA 8270D	EPA 8270D

Parameter/Analyte	Air	Nonpotable Water	Solid Hazardous Waste	
			Aqueous	Solid
1,2,4,5-Tetrachlorobenzene	----------	EPA 8270D	EPA 8270D	EPA 8270D
1,2,4-Trichlorobenzene	----------	EPA 8270D	EPA 8270D	EPA 8270D
2,4,5-Trichlorophenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
2,4,6-Trichlorophenol	----------	EPA 8270D	EPA 8270D	EPA 8270D
Pesticides/Herbicides/PCBs				
Aldrin	----------	EPA 8081B	EPA 8081B	EPA 8081B
alpha-BHC	----------	EPA 8081B	EPA 8081B	EPA 8081B
alpha-Chlordane	----------	EPA 8081B	EPA 8081B	EPA 8081B
beta-BHC	----------	EPA 8081B	EPA 8081B	EPA 8081B
delta-BHC	----------	EPA 8081B	EPA 8081B	EPA 8081B
gamma-BHC (Lindane)	----------	EPA 8081B	EPA 8081B	EPA 8081B
gamma-Chlordane	----------	EPA 8081B	EPA 8081B	EPA 8081B
Chlordane (technical)	----------	EPA 8081B	EPA 8081B	EPA 8081B
2,4-D	----------	EPA 8151A	EPA 8151A	EPA 8151A
Dalapon	----------	EPA 8151A	EPA 8151A	EPA 8151A
2,4-DB	----------	EPA 8151A	EPA 8151A	EPA 8151A
4,4'-DDD	----------	EPA 8081B	EPA 8081B	EPA 8081B
4,4'-DDE	----------	EPA 8081B	EPA 8081B	EPA 8081B
4,4'-DDT	----------	EPA 8081B	EPA 8081B	EPA 8081B
Dicamba	----------	EPA 8151A	EPA 8151A	EPA 8151A
Dichloroprop	----------	EPA 8151A	EPA 8151A	EPA 8151A
Dieldrin	----------	EPA 8081B	EPA 8081B	EPA 8081B
Dinoseb	----------	EPA 8151A	EPA 8151A	EPA 8151A
Endosulfan I	----------	EPA 8081B	EPA 8081B	EPA 8081B
Endosulfan II	----------	EPA 8081B	EPA 8081B	EPA 8081B
Endosulfan sulfate	----------	EPA 8081B	EPA 8081B	EPA 8081B
Endrin	----------	EPA 8081B	EPA 8081B	EPA 8081B
Endrin aldehyde	----------	EPA 8081B	EPA 8081B	EPA 8081B
Endrin ketone	----------	EPA 8081B	EPA 8081B	EPA 8081B
Heptachlor	----------	EPA 8081B	EPA 8081B	EPA 8081B
Heptachlor epoxide	----------	EPA 8081B	EPA 8081B	EPA 8081B
Isodrin	----------	EPA 8081B	EPA 8081B	EPA 8081B
MCPA	----------	EPA 8151A	EPA 8151A	EPA 8151A
MCPB	----------	EPA 8151A	EPA 8151A	EPA 8151A
MCPP	----------	EPA 8151A	EPA 8151A	EPA 8151A
Methoxychlor	----------	EPA 8081B	EPA 8081B	EPA 8081B
PCB-1016 (Arochlor)	----------	EPA 8082A	EPA 8082A	EPA 8082A
PCB-1221	----------	EPA 8082A	EPA 8082A	EPA 8082A
PCB-1232	----------	EPA 8082A	EPA 8082A	EPA 8082A
PCB-1242	----------	EPA 8082A	EPA 8082A	EPA 8082A
PCB-1248	----------	EPA 8082A	EPA 8082A	EPA 8082A
PCB-1254	----------	EPA 8082A	EPA 8082A	EPA 8082A
PCB-1260	----------	EPA 8082A	EPA 8082A	EPA 8082A
PCB-1262	----------	EPA 8082A	EPA 8082A	EPA 8082A
PCB-1268	----------	EPA 8082A	EPA 8082A	EPA 8082A
2,4,5-T	----------	EPA 8151A	EPA 8151A	EPA 8151A
2,4,5-TP	----------	EPA 8151A	EPA 8151A	EPA 8151A

Parameter/Analyte	Air	Nonpotable Water	Solid Hazardous Waste	
			Aqueous	Solid
Toxaphene	----------	EPA 8081B	EPA 8081B	EPA 8081B
Mirex	----------	EPA 8081B	EPA 8081B	EPA 8081B
Diallate	----------	EPA 8081B	EPA 8081B	EPA 8081B
Alachlor	----------	EPA 8081B	EPA 8081B	EPA 8081B
Chlorobenzilate	----------	EPA 8081B	EPA 8081B	EPA 8081B
MA-EPH (Carbon Ranges and Targets)	----------	MA-EPH	MA-EPH	MA-EPH
Florida PRO	----------	FL PRO	FL PRO	FL PRO
Inorganic Sample Preparation Methods				
Metals	----------	EPA 3005A	----------	EPA 3010A
Metals	----------	----------	EPA 3050B	EPA 3050B
Hexavalent Chromium	----------	----------	EPA 3060A	EPA 3060A
TKN	----------	SM 4500-N Org B or C EPA 351.2	----------	----------
Ammonia	----------	SM 4500-NH3 B	----------	----------
Cyanide Sample Preparation	----------	----------	EPA 9010C	EPA 9010C
Synthetic Precipitation Leaching Procedure (SPLP)	----------	----------	EPA 1312	EPA 1312
Toxicity Characteristic Leaching Procedure (TCLP)	----------	----------	EPA 1311	EPA 1311
Organic Sample Preparation Methods				
Semi-Volatile	----------	EPA 3535	EPA 3580	EPA 3545A
Semi-Volatile	----------	EPA 3510C	EPA 3550C	----------
Semi-Volatile	----------	----------	----------	EPA 3540C
Volatile	----------	EPA 5030B	EPA 5030B	EPA 5030B
Volatile	----------	EPA 5035A	EPA 5035A	EPA 5035A

Parameter/Analyte	Air	Nonpotable Water	Solid Hazardous Waste	
			Aqueous	Solid
Propene	TO-15	---	---	---
Dichlorodifluoromethane	TO-15	---	---	---
Chloromethane	TO-15	---	---	---
1,2-Dichlorotetrafluoroethane	TO-15	---	---	---
Vinyl chloride	TO-15	---	---	---
1,3-Butadiene	TO-15	---	---	---
Bromomethane	TO-15	---	---	---
Chloroethane	TO-15	---	---	---
Acetone	TO-15	---	---	---
Trichlorofluoromethane	TO-15	---	---	---
Ethanol	TO-15	---	---	---
Acrylonitrile	TO-15	---	---	---
1,1-Dichloroethene	TO-15	---	---	---
Methylene chloride	TO-15	---	---	---
1,1,2-Trichlorotrifluoroethane	TO-15	---	---	---
Carbon disulfide	TO-15	---	---	---
trans-1,2-Dichloroethene	TO-15	---	---	---
1,1-Dichloroethane	TO-15	---	---	---
Methyl tert-butyl ether	TO-15	---	---	---
Isopropyl alcohol	TO-15	---	---	---
2-Butanone (MEK)	TO-15	---	---	---
cis-1,2-Dichloroethene	TO-15	---	---	---
Hexane	TO-15	---	---	---
Ethyl acetate	TO-15	---	---	---
Chloroform	TO-15	---	---	---
Tetrahydrofuran	TO-15	---	---	---
1,2-Dichloroethane	TO-15	---	---	---
1,1,1-Trichloroethane	TO-15	---	---	---
Benzene	TO-15	---	---	---
Carbon tetrachloride	TO-15	---	---	---
Cyclohexane	TO-15	---	---	---
1,2-Dichloropropane	TO-15	---	---	---
Bromodichloromethane	TO-15	---	---	---
Trichloroethene	TO-15	---	---	---
1,4-Dioxane	TO-15	---	---	---
n-Heptane	TO-15	---	---	---
4-Methyl-2-pentanone (MIBK)	TO-15	---	---	---
Cis-1,3-Dichlorpropene	TO-15	---	---	---
Trans-1,3-Dichloropropene	TO-15	---	---	---
1,1,2-Trichloroethane	TO-15	---	---	---
Toluene	TO-15	---	---	---
2-Hexanone (MBK)	TO-15	---	---	---
Dibromochloromethane	TO-15	---	---	---
1,2-Dibromoethane (EDB)	TO-15	---	---	---
Tetrachloroethene	TO-15	---	---	---
Chlorobenzene	TO-15	---	---	---
1,1,2,2-Tetrachloroethane	TO-15	---	---	---
Ethylbenzene	TO-15	---	---	---

Parameter/Analyte	Air	Nonpotable Water	Solid Hazardous Waste	
			Aqueous	Solid
m,p-Xylene	TO-15	----------	----------	----------
o-Xylene	TO-15	----------	----------	----------
1,1,2,2-Tetrachloroethane	TO-15	----------	----------	----------
Isopropylbenzene	TO-15	----------	----------	----------
1,3,5-Trimethylbenzene	TO-15	----------	----------	----------
4-Ethyltoluene	TO-15	----------	----------	----------
1,2,4-Trimethylbenzene	TO-15	----------	----------	----------
Naphthalene	TO-15	----------	----------	----------
1,3-Dichlorobenzene	TO-15	----------	----------	----------
Benzyl chloride	TO-15	----------	----------	----------
1,4-Dichlorobenzene	TO-15	----------	----------	----------
Sec-Butylbenzene	TO-15	----------	----------	----------
4-Isopropyltoluene	TO-15	----------	----------	----------
1,2-Dichlorobenzene	TO-15	----------	----------	----------
n-Butylbenzene	TO-15	----------	----------	----------
1,2,4-Trichlorobenzene	TO-15	----------	----------	----------
Hexachlorobutadiene	TO-15	----------	----------	----------
Bromochloromethane	TO-15	----------	----------	----------
Bromoform	TO-15	----------	----------	----------
Styrene	TO-15	----------	----------	----------
Dissolved Gases				
Methane	----------	EPA 3C modified	----------	----------
Ethane	----------	EPA 3C modified	----------	----------
Ethene	----------	EPA 3C modified	----------	----------
Carbon dioxide	----------	EPA 3C modified	----------	----------
Hydrogen	----------	EPA 3C modified	----------	----------
Nitrogen	----------	EPA 3C modified	----------	----------
Oxygen	----------	EPA 3C modified	----------	----------
Fixed Gases				
Hydrogen	EPA 3C modified	----------	----------	----------
Carbon dioxide	EPA 3C modified	----------	----------	----------
Methane	EPA 3C modified	----------	----------	----------
Carbon monoxide	EPA 3C modified	----------	----------	----------
TO-18 (Ranges and Targets)	TO-18	----------	----------	----------
MA APH (Ranges and Targets)	MA APH	----------	----------	----------

The American Association for Laboratory Accreditation

Accredited DoD ELAP Laboratory

A2LA has accredited

SPECTRUM ANALYTICAL, INC

Agawam, MA

for technical competence in the field of

Environmental Testing

In recognition of the successful completion of the A2LA evaluation process that includes an assessment of the laboratory's compliance with ISO/IEC 17025:2005, the 2003 NELAC Chapter 5 Standard, and the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 4.2 of the DoD Quality System Manual for Environmental Laboratories (QSM); accreditation is granted to this laboratory to perform recognized EPA methods as defined on the associated A2LA Environmental Scope of Accreditation. This accreditation demonstrates technical competence for this defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 20th day of March 2012.

President & CEO
For the Accreditation Council
Certificate Number 3226.01
Valid to January 31, 2014
Revised June 1, 2012

For the tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.

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

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	5/5/11 Date
Reviewed by:	Kim Tisa, TSCA PCB Coordinator	5/5/11 Date
Reviewed by:	Jerry Keefe – EIA Team Leader	05/23/11 Date
Approved by:	Dan Boudreau, EIA Chemistry Team Leader	5/23/11 Date

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

Table of Contents

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.

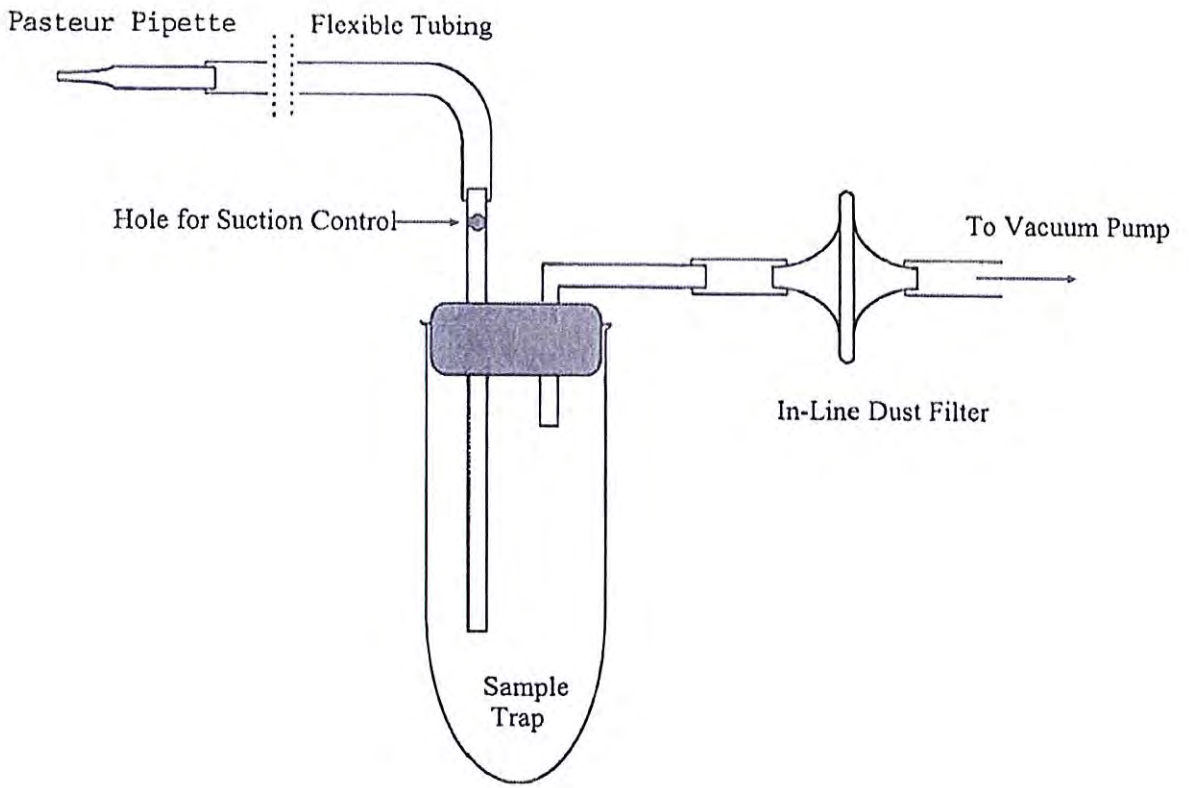
9.3.4.2 Option two: drill with the 1 inch bit and either make the hole larger or use a smaller bit to take the next ½- inch sample.

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.

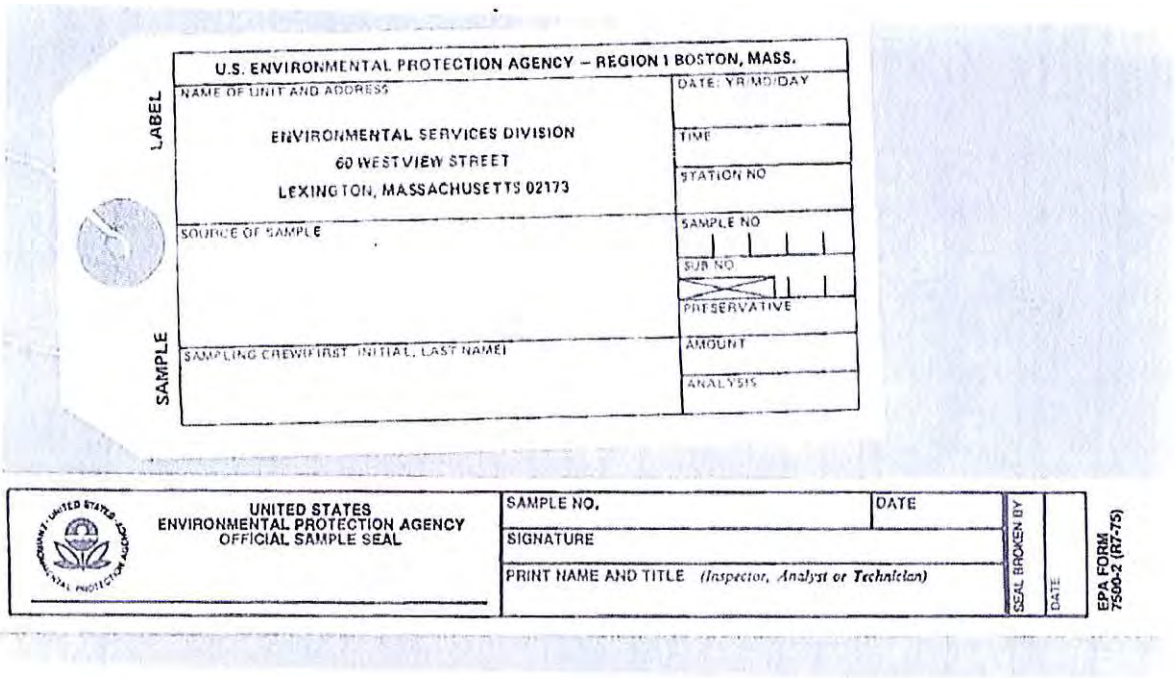
15.0 References

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



LABEL

U.S. ENVIRONMENTAL PROTECTION AGENCY – REGION 1 BOSTON, MASS.

NAME OF UNIT AND ADDRESS

ENVIRONMENTAL SERVICES DIVISION
60 WESTVIEW STREET
LEXINGTON, MASSACHUSETTS 02173

DATE: YR/MO/DAY

TIME

STATION NO

SAMPLE

SOURCE OF SAMPLE

SAMPLE NO

SUB NO

PRESERVATIVE

SAMPLING CREW(FIRST INITIAL, LAST NAME)

AMOUNT

ANALYSIS

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SAMPLE SEAL

SAMPLE NO.

DATE

SIGNATURE

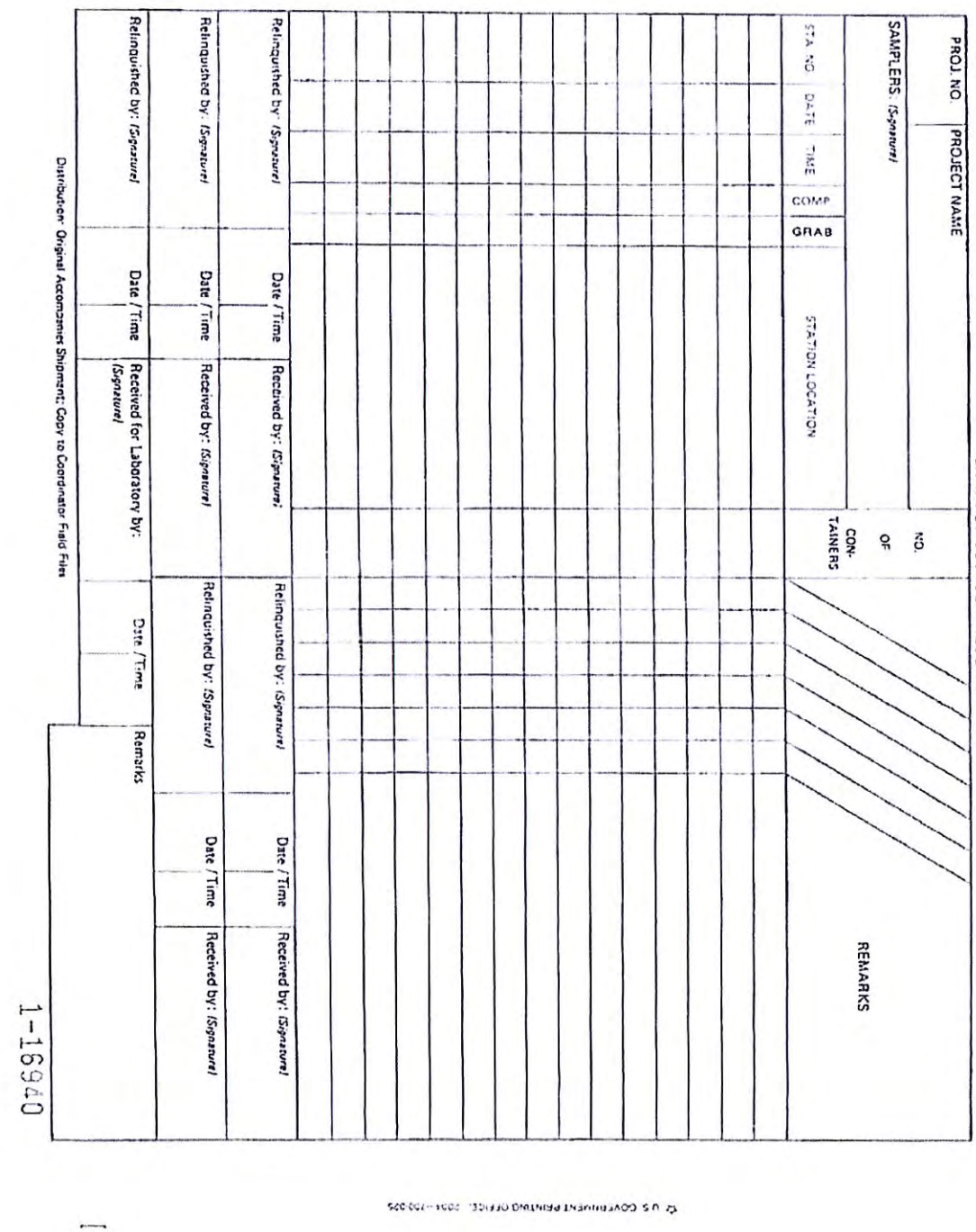
PRINT NAME AND TITLE *(Inspector, Analyst or Technician)*

SEAL BROKEN BY

DATE

EPA FORM 7500-2 (R7-75)

Example of Chain of Custody Form



APPENDIX D

Notification and Certification

TOWN OF SUFFIELD

Public Works Department

230C MOUNTAIN ROAD, SUFFIELD, CT 06078

(860) 668-3890 • FAX (860) 668-3281

jcloonan@suffieldtownhall.com

Public Works Director

July 10, 2015

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: Revised Notification and Certification Pursuant to 40 CFR § 761.61(a)(3)(i)(E) Self-Implementing Cleanup Plan for the Kent Memorial Library, 50 North Main Street Suffield, CT

Dear Ms. Tisa:

On behalf of the Town of Suffield, attached for your review is a copy of the revised Risk Based Self-Implementing Cleanup Plan ("SIP") developed to address identified PCB-containing building materials at the Kent Memorial Library that are anticipated to be disturbed during ongoing demolition/renovation work at the site. As described in more detail in the attached, the Town of Suffield is renovating and constructing an addition to the Kent Memorial Library at the above-referenced address, with work currently underway. Implementation of this plan will allow for the safe encapsulation of identified PCB-containing structural building materials at the site. This letter and the attached SIP constitute the notification required to be provided to local authorities at least thirty (30) days prior to the date of initiating remediation under 40 CFR § 761.61(a)(3)(i). Work will not commence without having first received approval from EPA.

This revised document contains revisions and edits in response to the comments issued by the US EPA Region 1 in the letter dated June 25, 2015 to the Town of Suffield. This certification is to accompany the SIP for the removal and abatement work to be performed during renovation/demolition activities at the site owned by the Town of Suffield in Suffield, Connecticut. TRC Environmental (TRC) has prepared this plan under the provisions specified in 40 CFR §§ 761.61(a) and 761.61(c) for the remedial work to be performed at the Kent Memorial Library in Suffield, 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 Henry Laliberte, TRC, at 860-298-9692 or via email at hlaliberte@trcsolutions.com.

Sincerely,

JCloonan (L.Z.)

John Cloonan
Town of Suffield

CC: Gary Trombly, CTDEEP
Henry Laliberte, TRC
Jonathan Gentile, TRC
Erik Plimpton, PE, CHMM, CMC, TRC

APPENDIX E

Site Photos


BC1 Contacting Granite
WC1 Contacting Brick
BC1 Contacting Granite


BC1 Contacting Granite
WC1 Contacting Granite
WC2 Contacting Brick


WC2 Contacting Concrete
WC2 Contacting Concrete
WC2 Contacting Concrete
WC2 Contacting Brick

APPENDIX F

Encapsulant/Sealant Product Information

Construction

Sikagard® 670W Clear

Water-based, 100% acrylic, protective coating

Description	Sikagard 670W Clear is a clear, water-based acrylic protective coating. Sikagard 670W Clear prevents moisture ingress, is water vapor permeable, and provides an excellent carbonation barrier.
Where to Use	Protective coating for exposed aggregate surfaces, concrete, masonry and brick. Application on vertical, overhead and Horizontal (non-traffic bearing) surfaces.
Advantages	■ Provides resistance to weathering, frost and de-icing salts. ■ Improves look of structure without changing appearance. ■ Excellent adhesion. ■ High UV light resistance. ■ Excellent resistance to carbon dioxide and other aggressive gas diffusion. ■ Water vapor permeable (breathable). ■ Easy application by brush, roller or spray. ■ Resistant to dirt pick-up. ■ Prevents ingress of chlorides. ■ Cost-effective protection.
Coverage	Theoretical per coat: 160 sq. ft./gal. Wet film thickness: 10 mils. Dry film thickness: 2.3 mils. All coverage is dependent on porosity of substrate. In addition, allowance must be made for surface profile. Unavoidable variation in application thickness, loss and waste. Normal coating system is one coat minimum at a total nominal dry film thickness of 2.3 mils. The total number of coats depends on the porosity of the substrate. On very porous substrates, two coats will typically be required.
Packaging	5 gallon, re-closable plastic pails.

Typical Data *(Material and curing conditions at 73°F (23°C) and 50% R.H.)*

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life	1 year in original, unopened container.
Storage Conditions	Store dry at 40°-95°F (4°-35°C). Condition material to 65°-75°F (18°-24°C) before using. Protect from freezing. If frozen, discard.
Pot Life	Indefinite, provided proper care is taken in protecting the system from moisture, freezing, contamination, or evaporation.
Solids Content	23% by volume
Viscosity	117-123 ku
VOC Content	193 g/L

Waiting and Drying Times at 2.3 mils, Dry

Between Coats	Rain Resistant After/Final Drying
45°F (7°C) approx. 70 min.	approx. 3 hours
68°F (20°C) approx. 60 min.	approx. 1 hour and 15 min.
85°F (30°C) approx. 15 min.	approx. 1 hour

Water Resistance (Cure Time = 1, 3, and 7 days) at 2.3 mils, Dry
ASTM D-2247: very good resistance to whitening (ASTM score = 8, where 10 is perfect)
ASTM D-714: No blisters (ASTM score = 10, where 10 is none)

Moisture Vapor Permeability (ASTM D-1653) at 2.3 Mils, Dry 7.72 perms

Water Spotting (Tested at 3 hr., 1, 2, 3, and 7 days)
ASTM D-1848: Very good resistance to whitening
(ASTM score = 8, where 10 is perfect)

Water Vapor Transmission (at 2.3 mils=55.2 microns dry film thickness)
μ - value H_2O (diffusion coefficient) = 10,300
Sd H_2O (equivalent air thickness) = 6 ft. (1.70 m.)

Carbon Dioxide Diffusion (at 2.3 mils=55.2 microns dry film thickness)
μ - value CO_2 (diffusion coefficient) = 631,000
Sd CO_2 (equivalent air thickness) = 226 ft. (69 m.)
Sc (equivalent concrete thickness) = 7 in. (17 cm.)

Construction

How to Use

Surface Preparation	All surfaces to be coated must be dry, clean, sound and frost-free with curing compound residues and any other foreign matter removed. An open textured sandpaper-like surface is ideal (CSP 3 as per ICRI guidelines). Where necessary, surfaces should be prepared mechanically by blast cleaning or high pressure waterjetting. Bugholes, cracks or irregularities of substrate should be filled and leveled with SikaTop, Sika MonoTop leveling mortar as appropriate.
Mixing	Stir thoroughly to ensure uniformity using a low speed (400-600 rpm) drill and Sika paddle.
Application	Any areas of glass or other surfaces should be masked. Recommended application temperatures (ambient and substrate) 45°-95°F (5°-35°C). Sikagard 670W Clear can be applied by brush, roller, or spray over entire area moving in one direction. Sikagard 670W Clear is usually applied using a short nap roller. Allow a minimum of 60 minutes prior to re-coating. At lower temperatures and high humidity, waiting time will be prolonged. At higher temperatures, work carefully to maintain a 'wet' edge. **As with all coatings, jobsite mock-ups should always be completed to confirm acceptability of workmanship, material and aesthetics.**
Limitations	■ Not designed for use as a traffic-bearing surface. ■ Substrate must be dry prior to the application. Allow sufficient time for the substrate to dry after rain or other inclement conditions, as this could cause bonding problems. A white haze may develop if moisture is trapped behind the coating. ■ Minimum age of normal concrete prior to the application is 14 days, depending on curing and drying conditions. Substrate must be strong enough to properly prepare by mechanical means, achieving a sandpaper-like surface (CSP 3 as per ICRI guidelines). ■ Sikagard 670W Clear should not be applied at relative humidities greater than 90%, or if rain is forecast within the specified rain resistance period. ■ Do not thin. ■ Do not apply if the ambient and substrate temperature are within 5°F (3°C) of the dew point temperature. ■ Minimum age of SikaTop or Sika MonoTop thin layer renderings is 3 days prior to the application of Sikagard 670W Clear. ■ Do not use over moving cracks. ■ Product must be protected from freezing. If frozen, discard. ■ During application, regular monitoring of wet film thickness and material consumption is advised to ensure that the correct layer thickness is achieved. ■ When over-coating existing coatings, compatibility and adhesion testing is recommended. ■ Do not store Sikagard 670W Clear in direct sunlight for prolonged periods.

Caution

Warning	Avoid breathing vapors. Use only with adequate ventilation. May cause respiratory irritation and headaches.
Irritant	Skin, eye, and respiratory irritant; avoid contact. Use of safety goggles and chemical resistant gloves is recommended. Remove contaminated clothing.
First Aid	In case of eye contact, flush with water for 15 minutes, contact physician immediately. For skin contact, wash skin with soap water. For respiratory problems, remove person to fresh air. Wash clothing before re-use.
Spill Clean Up	Confine spill, ventilate closed areas, and collect with absorbent material. Dispose of in accordance with current, applicable, local, state, and federal regulations. Uncured material can be removed water. Cured material can only be removed mechanically.

Visit our website at www.sikausa.com

Regional Information and Sales Centers. For the location of your nearest Sika sales office, contact your regional center.

1-800-933-SIKA NATIONWIDE

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: 800-933-7452
Fax: 201-933-6225

Sika Canada Inc.
601 Delmar Avenue
Pointe Claire
Quebec H9R 4A9
Phone: 514-697-2610
Fax: 514-694-2792

Sika Mexicana S.A. de C.V.
Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537

Appendix B

Fuss & O'Neill's Risk-Based PCB Cleanup and Disposal Plan Modification No. 2

Risk-Based PCB Cleanup and Disposal Plan Modification No. 2

Kent Memorial Library
50 North Main Street
Suffield, Connecticut

Town of Suffield

Suffield, CT

March 16, 2018

Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Project No. 20151259.A3E

FUSS & O'NEILL
EnviroScience, LLC

March 16, 2018

Mrs. Kimberly N. Tisa
PCB Coordinator
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

RE: Risk-Based PCB Cleanup and Disposal Plan
Modification No. 2
Kent Memorial Library, Suffield, CT
Fuss & O'Neill EnviroScience Project No. 20151259.A3E

Dear Mrs. Tisa:

We are submitting this Modification No. 2 for the above referenced site in Suffield, CT on behalf of the Town of Suffield. This modification is being submitted in accordance with Condition 22 of the *November 19, 2015 PCB Cleanup and Disposal Approval under 40 CFR §§ 761.61(a) and (c) and § 761.79(h)* (Approval).

This modification includes a summary of events and status of the remediation activity performed to date under the Approval. Note this is not intended to be a Completion Report which is required to be submitted under Condition 27 of the Approval. This plan modification has been prepared and is being submitted in accordance with requirements of 40 CFR Part § 761.61(c).

Thank you for your attention to this matter and if you have any questions with regard to the plan please contact the undersigned, Robert L. May, Jr., at (860) 646-2469 ext. 4701 or email: rmay@fando.com.

Sincerely,

Robert L. May Jr.
President

RLM/kr

cc: Connecticut Department of Energy and Environmental Protection (CTDEEP)

146 Hartford Road
Manchester, CT
06040
t 860.646.2469
800.286.2469
f 860.533.5143

www.fando.com

Connecticut
Massachusetts
Rhode Island

FUSS & O'NEILL
EnviroScience, LLC

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Risk-Based PCB Cleanup and Disposal Plan
Modification No. 2
Kent Memorial Library

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1 Introduction

The Town of Suffield received an approval *November 19, 2015 PCB Cleanup and Disposal Approval under 40 CFR §§ 761.61(a) and (c) and § 761.79(h)* (Approval) to address PCB contamination at the Kent Memorial Library (Site) located at 50 North Main Street in Suffield, CT. Fuss & O'Neill EnviroScience, LLC (EnviroScience) has been retained by the Town of Suffield to prepare this Modification No. 2 in accordance with Condition 22 of the Approval.

The contact for the Town of Suffield is Ms. Julie Oakes Department of Public Works, Town of Suffield Department of Public Works, 2230C Mountain Road, Suffield, CT 06078, Telephone: 860- 668-3280; Fax: 860- 668-3326.

The plan was prepared to comply with the U.S. Environmental Protection Agency (EPA) requirements for notification of a Risk-Based PCB Cleanup and Disposal Approval Plan in accordance with 40 CFR § 761.61(c). The original approved Risk Based Disposal Plan dated July 2015 was prepared by TRC Environmental Corporation (TRC).

1.1 Background

The Site consists of the Kent Memorial Library located at 50 North Main Street in Suffield, CT. The Kent Memorial Library was constructed in 1972. The building is a two-story structure with approximately 15,000 SF. The building has a basement level and first floor level which is split into three distinct tiered levels including a lower level, intermediate and upper level. The building has a centralized courtyard.

The building consists of library space with support space including office, work rooms, records rooms and an auditorium in the basement level. First floor levels include stack areas for books, videos, etc., and has a central circulation area. The existing building is a concrete frame structure which includes painted concrete columns and beams and a painted exposed coffered waffle floor and roof slab construction. Interior finishes consist of carpet over concrete floors, some wood floors and asbestos floor tile floors. Walls are painted brick, painted concrete block or painted concrete. Ceiling is painted and includes installed acoustic panels glued to underside of floor and roof slab at coffers.

The building has basement level heating ventilation and air conditioning (HVAC) systems located in a single mechanical room. The air distribution system is through concealed ducts including below floor slab ducts which are not accessible. Return air grates are present predominantly in the basement level. The building is an open plan where all rooms are connected with no full height ceilings. The exception is the basement level where office, work room, records room, meeting room, mechanical room and auditorium are individual rooms with full walls.

An addition was constructed from 2014 to 2015 to the East of the existing structure. The addition is a two-story entrance with lobby, elevator, stairway and second level restrooms. This structure is not the subject of this work plan. The new addition also has an independent HVAC system. Currently the addition has been sealed from the main library structure with polyethylene sheeting with a single opening through the sheeting with a cover (flapped doorway).

1.2 Original Project Objectives

The original approved Risk Based Disposal Plan dated July 2015 as prepared by TRC Environmental Corporation (TRC) was for the removal of polychlorinated biphenyl (PCB) containing materials with equal to or greater than 50 parts per million (ppm) as PCB Bulk Product Waste associated with window and door systems to be replaced as part of a renovation and addition project being conducted in 2014-2015. This included removal of adjacent porous surfaces or a combination of rigid encapsulation (new windows) and liquid encapsulation with a specialty coating product such as acrylic. The plan also included remediation of identified PCBs in soil.

Encapsulated porous surfaces were to be cleaned to meet required visual standards and wipe sampling criteria for established goals in Condition 17 of the Approval. Those surfaces were to meet a standard of ≤ 1 µg/100 cm^2. Indoor air sampling for PCBs was also required to ensure upon completion the building met established indoor air guidance of 200 ng/m^3.

Post verification sampling for porous substrates to remain where removal occurred was required as well as post verification of soil following remediation of soil.

Disposal requirements included caulk and glazing compounds associated with windows and doors as PCB Bulk Product Waste. Soils were disposed of as PCB Remediation Waste.

1.3 Original Project Status

The project work was initiated in November 2015 after EPA Approval of the Plan. The selected asbestos and PCB Remediation Contractor was Haz-Pros of Simsbury, CT. Oversight and confirmatory testing was conducted on behalf of the Town of Suffield by TRC. All abatement work and construction field work was completed by March 2016. As part of the final documentation and verification indoor air sampling was required in accordance with Condition 17 of the plan. Results identified exceedances of the established plan objectives. All subsequent efforts have been conducted in support of determining the cause of indoor air exceedances. The building has remained vacant during all subsequent testing and work to develop this modification.

The original proposed PCB Remediation Plan and current status includes the following:

- Removal of all window systems (i.e., PCB caulk $\geq$ 1 ppm, including window frames, glass, glazing compounds, and associated brick to a minimum distance of 9 inches from the caulk joint), and dispose of as PCB bulk Product waste in accordance with 40 CFR § 761.62(a). Status; field work complete in March 2016 including post verification sampling. Refer to **Table 1** for TRC collected samples. Results identified remaining porous substrates to be < 1 ppm. Laboratory analysis results and diagrams will be provided upon project completion within completion Final Report as required in condition 27.
- Condition 17, conduct indoor surface wipe sampling to document the effectiveness of the containments during abatement work for un-encapsulated surfaces. Surface interior wipe sampling was completed between June and November 2015. Status; complete. Refer to **Table 2** for post wipe samples of un-encapsulated surfaces. All wipe samples met post verification standard of $\leq$1 µg/100 cm^2. Laboratory analysis results and diagrams will be provided upon project completion within completion Final Report as required in condition 27.
- Encapsulate PCB-contaminated porous surfaces (i.e., structural concrete, granite) with an acrylic coating following removal of caulk. Status; field work complete in March 2016.
- Collect wipe samples from the encapsulated surfaces to confirm effectiveness of encapsulation as Condition 15 of the Approval. Initial wipe samples collected in December 2015 and February 2016. Refer to **Table 3** for TRC collected samples. In 2016 all results were $\leq$1 µg/100 cm^2 for representative samples collected on encapsulated porous surfaces. Note this required multiple applications of acrylic sealants in some cases to obtain passing results. The data will be included upon project completion within completion Final Report as required in condition 27.
- Remove PCB remediation waste with $\geq$1 ppm PCBs (i.e., soil, and brick surfaces within five feet of foundation to a depth of one foot below soil surface and disposal in accordance with 40 CFR § 761.61(a)(5)(i)(B) (2)(iii). Status; field work complete in March 2016 including verification sampling.
- Conduct post verification sampling of bulk PCB remediation waste (i.e., remaining soil) in accordance with 40 CFR § 761.61 Subpart O to confirm the PCB concentrations are $\leq$ 1 ppm. Status; field work completed in June 2015 and December 2015. In total 49 post soil samples collected and all $\leq$ 1ppm. Refer to **Table 4** for post soil removal verification sampling. All post soil results $\leq$1 ppm. Laboratory analysis results and diagrams will be provided upon project completion within completion Final Report as required in condition 27.

- Condition 17, conduct indoor air sampling to document the effectiveness of the remediation work. Indoor air sampling conducted in December 2015 and March 2016. Samples failed to meet indoor air guidance of 200 ng/m^3. **Refer to Table 5** for a summary of indoor air sampling analysis results.

1.4 Supplemental PCB Characterization Sampling

This failure of the indoor air samples to meet the standards established in Condition 17 of the Approval, prompted the Town of Suffield to conduct an expansion of Site characterization. TRC conducted supplemental sampling of potential PCB products within the building interior. We understand EPA was not contacted initially prior to testing performed in 2016. Refer to **Table 6** for a summary of bulk samples collected of various building materials for PCBs in 2016.

The supplemental Site characterization provides a summary of the sampling performed to delineate the nature and extent of PCB as required in accordance with 40 CFR Part § 761.61 (a)(3) (A-C).

1.5 Pilot Project and Studies

The failure of the indoor air samples and supplemental Site characterization sampling performed by TRC prompted the Town of Suffield to seek additional consulting services. EnviroScience was retained in July 2016 to assist the Town of Suffield to address PCBs at the Site.

A pilot project was recommended by EnviroScience to conduct indoor air sampling within several rooms as a pilot project. The pilot project included a plan to isolate all surfaces where known or potential PCBs were identified in four representative locations. The selected locations were based on supplemental testing of building materials and sealants by TRC. Intent was to determine the likely contributing materials to PCBs within indoor air by testing indoor air with surfaces isolated. This initial pilot study was conducted in November 2016. Refer to **Table 7** for a summary of pilot surface isolation indoor air sample results.

EnviroScience contacted EPA initially in December of 2016 to discuss development of a plan for additional remediation as a Modification. In addition we requested a meeting with EPA and Connecticut Department of Energy & Environmental Protection (CTDEEP) to review site conditions and intentions to complete additional remediation based on the findings above and pilot studies performed in 2016. A meeting was held at the Site on April 5, 2017. A summary of the meeting was prepared and sent to the agencies on April 12, 2017. Refer to ***Appendix A*** for a copy of summary.

A final pilot project was conducted in November and December of 2017 to complete abatement utilizing methods established after several test patches and the meeting with agencies in April 2017. The pilot project was conducted in a single sample room to conduct all remedial work using intended methods established in consultation with the agencies. The selected location was the lower level Multipurpose Room. Prior to conducting work, baseline indoor air samples were collected in the room as well as an adjacent location. Upon completing work post abatement indoor air samples were collected again and compared to the baseline as well as previous air data for the location. The results identified that the indoor air was substantially reduced and met the indoor air guidance value established

in Condition 17 of the Approval. Refer to **Table 8** for a summary of pilot remediation indoor air sampling analysis results.

2 Post Remediation Indoor Air Sampling

This section provides a summary of the indoor air sampling performed by TRC. Condition 17 of the Approval identified a requirement to perform post remedial indoor air sampling within the building. This was included as part for the Risk-Based PCB Cleanup and Disposal Approval Plan in accordance with 40 CFR § 761.61(c). Guideline established specific for the site for indoor air sampling, as a Condition of Approval, to ensure upon completion the building met established indoor air guidance of 200 ng/m^3.

It is our understanding that field work associated with removal of identified PCB Bulk Products and PCB Remedial Wastes was completed in November/ December of 2015. This included the encapsulation of interior and exterior porous surfaces with acrylic encapsulant coatings.

2.1 Initial Indoor Air Sampling – December 2015

TRC conducted an initial round of indoor air samples on December 31, 2015. Indoor air samples were collected and sent to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts. The chain of custody indicates samples to be analyzed by EPA Method 680 as Homologs with Soxhlet Extraction using method 3540C. Samples were analyzed using method TO-10A EPA Method 680 Modified as homologs. Results are summarized in laboratory report dated January 11, 2016 and are included in ***Appendix B***. The report identified 4 of 15 samples exceeded the 200 ng/m^3. Note the 15 samples included two duplicate samples and one blank. Samples met the minimum time duration of four hours for method TO-10A. The sample flow rates were observed to be a constant at 5 liters per minute which is the maximum allowable in the method.

It was determined by the Town of Suffield that the samples were collected while the building HVAC was not running and that results may not represent occupied conditions. TRC was requested to resample the building.

The sample numbers, locations, and analysis results are included in Table 5 and identified on **Figure 1.1**.

2.2 Supplemental Indoor Air Sampling – March 2016

TRC conducted an initial round of indoor air samples on March 11, 2016. Indoor air samples were collected and sent to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts. The chain of custody indicates samples to be analyzed by EPA Method 680 as Homologs with Soxhlet Extraction using method 3540C. Samples were analyzed using method TO-10A EPA Method 680 Modified as homologs. Results are summarized in laboratory report dated March 21, 2016 and are included in ***Appendix C***. The report identified 10 of 15 samples exceeded the 200 ng/m^3. Note the 15 samples included two duplicate samples and one blank. Samples met the minimum time duration of four hours

(240 minutes) for method TO-10A. The sample flow rates were observed to be a constant at 5 liters per minute which is the maximum allowable in the method.

The sample numbers, locations, and analysis results are included in Table 5 and identified on Figure1.1. We have included a copy of laboratory analysis reports and chain of custody in ***Appendix C***.

3 Supplemental Site Characterization

The Town of Suffield's consultant performed supplemental bulk sampling of potential PCB products within interior of the building based on the exceedance of indoor air samples above the guidance values. This testing was performed by TRC between April and May 2016.

This section provides a summary of the supplemental testing performed at the site to characterize PCBs. Sampling included supplemental sampling of interior bulk samples at the request of the Town of Suffield. Sampling performed to delineate the nature and extent of PCBs as required in accordance with 40 CFR Part § 761.61 (a)(3) (A-C).

The following sections describe the selection of sample locations, sample collection methods, and the results of the characterization data.

3.1 Sample Collection and Analysis

Sampling performed by TRC involved removal of suspect PCB bulk product materials (source materials) such as paints, sealants and other building products to submit for PCB analysis. Sampling events included the following:

- April 13, 2016 – Samples 1-7 were collected of sealants on floor surfaces
- April 14, 2016 – Samples 8-13 were collected of sealants on floor surfaces
- April 15, 2016 – Samples 14-16 were collected of sealants on floor surfaces
- May 2, 2016 – Samples 1-22 were collected of sealants, paints, building products and vacuum samples of dust.
- May 16, 2016 – Samples 1-4 were collected of bare concrete/sealant on concrete ceiling in mechanical room.

Each sample was placed in containers, labeled, and delivered to the laboratory using chain of custody. Samples collected by TRC were analyzed by Phoenix Environmental of Manchester, CT. The analytical method for analysis included extraction method 3540C and analysis method SW-846 8082.

The sample numbers, locations, and analysis results are included in Table 6 and identified on **Figure1.2.** Laboratory analysis results and chain of custody as well as field sketches are provided in ***Appendix D***.

The sample numbers, locations, and analysis results for dust samples as micro-vacuum samples are included on **Figure 1.3** as data associated with surface sampling.

3.2 Sample Analysis Results Summary

The results identified several indoor building products containing PCBs ≥ 1ppm. A summary is as follows:

- Testing of additional building materials identified the following additional regulated materials:
  - Paint (sealants) on concrete coffered (waffle) ceilings – some results exceeding 50 ppm
  - Sealants on Concrete and Brick Floor Surfaces – results exceeding 1 ppm
  - Acoustic ceiling tiles – results exceeding 1 ppm
  - Glue Daubs associated with ceiling tiles – results exceeding 1 ppm
  - Vinyl cove base materials –results exceeding 1 ppm
  - Glue associated with cove base – results exceeding 1 ppm
  - Mastic adhesives associated with floor tiles - results exceeding 1 ppm
  - Self-leveling compounds under floor tile - results exceeding 1 ppm
  - Wood parquet flooring - results exceeding 1 ppm
  - Oil associated with dumb waiter - results exceeding 1 ppm
- Testing of settled dust within the building interior identified dust containing PCBs under one grate and on a single sampled floor.

3.3 Presumed PCB Bulk Products

EnviroScience has observed caulk present within roof monitors at ceilings which shall be presumed to contain PCBs > 50 ppm.

Wall paint has not been tested for the presence of PCBs and shall be assumed to contain PCBs > 50 ppm.

4 Pilot Projects and Studies

This section provides a summary of the performance of several pilot projects and test patches for various abatement and remediation techniques. As noted, the identification of elevated indoor air samples and a determination of additional interior building materials that contained PCBs led the Town of Suffield to retain EnviroScience. The Town of Suffield engaged EnviroScience to assist in developing a remediation approach based on the newly discovered materials and to determine likely causes of elevated PCBs within indoor air above project goals.

EnviroScience reviewed the results of testing conducted by TRC. The Town of Suffield had some of the materials containing sealants with PCBs removed prior to our involvement in the project. These included removal of brick from ramps and several lower level rooms as part of the renovation work. Brick and mortar was removed in its entirety for disposal.

EnviroScience identified to the Town of Suffield that regardless of indoor air concentrations, any identified PCBs above regulatory thresholds would need to be addressed as a use not authorized. Testing identified one material type exceeding 50 ppm in some locations sampled in paints/sealants on concrete ceilings. Several building materials and products also contain PCBs ≥1 ppm which are

considered original source materials installed prior to 1984 and meet the definition of an "Excluded PCB Product". These materials will be classified as PCB Waste for disposal as required by CTDEEP.

4.1 Material Isolation Pilot Project

A pilot project was designed to conduct isolation of building products containing PCBs. The project was performed in four representative locations within the building in November of 2016. The intent of the pilot was to identify if the surfaces with PCB products tested by TRC were off gassing and which sources were potentially contributing the most to indoor PCB air concentrations. A summary is as follows:

- A pilot project was recommended to conduct air sampling within several rooms as a pilot project. The pilot project included plan to isolate all surfaces where known or potential PCBs were identified in four locations through supplemental testing of building materials and sealants. Intent was to determine the likely contributing materials to PCBs within indoor air by testing air with surfaces isolated.
- Prior to conducting the pilot project it was recommended that HVAC systems be balanced.
- Cleaning of systems occurred during renovation project in 2015.
- The Town of Suffield completed six rounds of air balancing of the existing HVAC systems within the building between May 2015 and September 21, 2016. An application for a modification was submitted to the State of Connecticut Building Inspector due to existing conditions and was accepted on October 14, 2016.
- Baseline indoor air samples were collected on November 14, 2016 within four proposed pilot rooms and one immediately adjacent room after balancing the HVAC system and running for a period of 48-72 hours.
- The building has remained unoccupied since the renovations and the systems were adjusted to include minimal fresh air make-up demands to simulate occupant loading within the building.
- After baseline air sampling four locations were selected where prior air sampling was elevated and conditions of known PCBs in materials noted were isolated. A contractor isolated with individual layers of polyethylene sheeting all walls, floors and ceilings as independent containments from November 14 -15 2016. Air systems were running to the enclosed rooms.
- Individual air samples were collected on November 17, 2016 from the areas isolated to include one ceiling, one floor and two walls as well as ambient room in each of four locations.

Refer to ***Appendix E*** for photographs taken during Pilot Project depicting the isolation and air sampling work.

Wipe samples were also collected during the pilot prior to setting up isolation barriers to document the pre-existing PCB content on any settled dust. In total 21 samples including blanks were submitted to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts. The chain of custody indicates samples to be analyzed by EPA Method 8082 with Soxhlet Extraction using method 3540C. None of the collected wipe samples had a result exceeding the standard of ≤ 1 µg/100 cm^2. Laboratory analysis results including chain of custody and field diagrams are included in ***Appendix F***.

The conclusions were that the paint/sealant surfaces identified the most significant PCB concentrations contributing to the indoor air. Also that both the ceilings (known elevated PCB content) and the walls (PCB content is not known) afford highest contributions to indoor air.

We confirmed that the exterior fresh air intake was not a contributing factor by measuring the air intake duct in-line. The ducted supply system includes filtered return air so the air within the rooms includes make-up air from surrounding uncontained and isolated rooms. However, the supply to the isolated rooms were generally lower than the pre-abatement concentrations indicative of the fact the ducts themselves are less likely to be a contributing factor to the indoor air concentrations. Refer to Table 7 for summary of pilot surface isolation indoor air sampling analysis results. The table includes both pre-isolation and results of each area isolated including an ambient room sample with all surfaces isolated with polyethylene sheeting. Note HVAC systems were running during both pre during isolation wok. Laboratory analysis results and chain of custody are provided in ***Appendix G*** including field diagrams for sample locations.

It is our conclusion that once the sources in paint on walls and ceilings are addressed the air samples should be substantially reduced to likely below the project standard set of 200 ng/m^3.

4.2 Test Patches for Remediation

The Town of Suffield retained several entities to conduct various demonstrations of abatement techniques to remove paint from the ceiling surfaces where PCBs are >50 ppm. Abatement methods included use of scraping and grinding techniques as well as complete removal of all paints and sealants utilizing abrasive blasting. The test patches also afforded the Town of Suffield an opportunity to review cost considerations for the various abatement techniques. Work was performed within a negative pressure enclosure by an abatement subcontractor hired by the Town of Suffield.

Two types of abrasive blast media were utilized. The most effective media included use of black beauty to remove paint but left surface rough. This method succeeded in removing all paint including the majority present in pores of the concrete. A confirmatory sample of the test patch areas was conducted by EnviroScience and results were non-detect for PCBs. Refer to ***Appendix H*** for laboratory result of concrete following abrasive blast removal of paint. This method was very costly and represented three times higher cost than manual scraping.

Above use of manual scraping and limited rotary sanding techniques resulted in the majority of paint removed from surfaces. Surfaces were then coated with various sealant coatings products to confirm proper adhesion. The use of the manual scraping was effective at removing paint from more than 95% of the surfaces. Only visible paint remained in pores of the concrete as can be observed above. This method was one third the cost of abrasive blasting including the use of a sealant coat on surface.

4.3 Test Patches for Encapsulation Products

The Town of Suffield also had manufacturers provide several encapsulant products. These were utilized on painted wall surfaces to confirm adhesion in other areas without removing paint since for the walls the PCB content of paint is unknown. The Town selected products as manufactured by PPG Paints as follows for use on Remedial Pilot Project.

PPG Paints:

- First Coat: PPG Paints Amerlock Sealer @ 1-2mils DFT*
- Second Coat: PPG Paints Amerlock 2 Epoxy @ 4-8 mils DFT
- Third Coat: PPG Paints Amerlock 2 Epoxy @ 4-8 mils DFT

*DFT – Dry Film Thickness

Encapsulants are proposed for use to encapsulate abated ceiling surfaces using manual methods to remove paint and for unabated wall surfaces and mechanical room ceilings. A test patch was conducted in an area where paints were removed. Refer to ***Appendix I*** for Post Encapsulation wipe sample results from two locations. Results were below the standard of ≤1 µg/100 cm^2 for encapsulated surfaces based on Condition 15 of the Approval.

4.4 Remedial Pilot Project

EnviroScience contacted EPA initially in December of 2016 to discuss development of a plan for additional remediation as a Modification. In addition we requested a Site meeting with EPA and Connecticut Department of Energy & Environmental Protection (CTDEEP) to review site conditions and intentions to complete additional remediation based on the findings above and pilot studies performed in 2016. A meeting was held at the Site on April 5, 2017. A summary of the meeting was prepared and sent to the agencies on April 12, 2017.

The Town of Suffield retained an abatement sub-contractor through limited competitive bidding to conduct a pilot project to perform remediation work in representative locations. The pilot project was conducted beginning on November 11, 2017. The intent of the pilot project was to perform the abatement and remediation as discussed with EPA and CTDEEP and agreed to as an acceptable approach pending submission of a formal Modification. The effectiveness of the methods was to be demonstrated through sampling.

The following images were collected after the manual removal of all paint from ceiling substrates within the Multi-Purpose Room.

The following images identify the appearance of encapsulated ceiling surfaces using one primer sealer and two finish coats of PPG coatings products.


A summary of the various aspects of the pilot project follow:

4.4.1 Preparations Prior to Abatement

The following represent the preparations required to facilitate the required work which were performed:

- The building was vacant and remained vacant through the abatement and remediation process.
- Town of Suffield demolished cabinetry in the Multi-Purpose Room and disposed.
- Town of Suffield conducted work to make safe, lock out and tag out and removed or lowered mechanical and electrical systems and conduit within work area to facilitate mechanical removal of paint. Care was taken to protect such from damage during work including wrapping as necessary.
- Contractor was required to protect sprinkler heads as necessary within work area.
- A limited isolation barrier of 6-mil polyethylene sheeting was installed between Multi-purpose Room and adjacent Hallway and Auditorium.
- The HVAC system in the building includes return air from the building where work was not to be performed. The work area could not be isolated from other areas of the building in terms of HVAC systems. The intent was to perform the work without any influence of the existing HVAC systems
- Town of Suffield shut down the HVAC systems for a period of not less than 48 hours prior to conducting base-line indoor air samples for PCBs.
- After 48 hours, EnviroScience conducted pre-abatement baseline air sampling within the work area and an adjacent space. These air samples were to represent the ambient environment with no HVAC influence prior to conducting any remedial work.
- The work area containment was then fully established to provide asbestos regulated negative air pressure containment including 6-mil polyethylene sheeting as critical barriers at all HVAC systems and other openings.

4.4.2 Pilot Project Remediation and Abatement

The following represent the work which was performed:

- **Upper Level South** – the Contractor conducted removal of polyurethane coating from wood parquet flooring from an area of 1 SF. Work was conducted in containment to capture all dust and debris. Contractor utilized sanding tools to fully remove coatings and sealants to bare wood. Care was taken to minimize damage to wood with methods that collected all fugitive dust and debris in HEPA vacuum. Surfaces were then washed down upon completion including all containment barriers.

- **Lower Level Multi-Purpose Room** – Some of the materials to be removed contained both PCBs and asbestos. The following work was performed.

    - Removed existing 2 x 2 acoustic ceiling tile which contains CTDEEP regulated PCBs <50 ppm.
    - Removed existing asbestos containing ceiling tile glue daubs which also contain CTDEEP regulated PCBs <50 ppm and asbestos.
    - Removed existing cove base and mastic which are not asbestos but contain CTDEEP regulated PCBs < 50 ppm.
    - Removed existing asbestos containing 12 x 12 floor tile and associated asbestos containing mastic adhesive which also contains CTDEEP regulated PCBs < 50 ppm.
    - Final cleaned asbestos work area. Sequence of work included first removal, visual inspection and final air clearance of work area for asbestos. Once cleared balance of PCB work was completed.
    - Contractor utilized manual scraping and limited use of rotary grinders to remove paint from all ceiling surfaces associated with coffered (waffle) slab construction. This included all faces of coffers and flat faces and beams etc. Materials did not contain asbestos but contain PCBs >50 ppm based on limited testing and were disposed of as PCB Bulk Product Waste.
    - Contractor completely cleaned work area following work prior to PCB encapsulation.
    - Contractor conducted surface preparations on all walls and ceiling surfaces as required by encapsulant manufacturer PPG Paints.
    - Contractor encapsulated all walls and cleaned ceiling surfaces with one primer sealer coat and two coats PPG Paint products.
    - Contractor then final cleaned work area, removed critical barriers at HVAC system components and surfaces within room.
    - Contractor left barriers which segregated work area from adjacent hallway and Auditorium.

- **Lower Level Work Room At Dumbwaiter** – Contractor conducted cleaning within interior mechanical space of dumbwaiter to remove all oils from concrete surface. Use steam cleaning as appropriate. PCB content of PCB Remedial Waste surfaces was < 50 ppm (21 ppm).

4.5 Remedial Pilot Project Testing

EnviroScience conducted air and post verification analysis to confirm the effectiveness of the abatement techniques employed.

4.5.1 Indoor Air Sampling

Testing of indoor air was performed at two time frames within the Multi-purpose Room as well as the adjacent Auditorium where no work was to be performed during pilot project. Initial air samples as baseline samples were collected 48 hours after room was isolated and HVAC system turned off. Samples were collected on November 10, 2017. Post abatement and encapsulation samples were collected on December 9, 2017. Indoor air samples were collected and sent to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts. Samples were analyzed using method TO-10A EPA Method 680 Modified as homologs.

We have prepared Table 8 summarizing the results of all indoor air sampling to date including the prior TRC results and isolation pilot project in November 2016 to demonstrate the conditions following abatement for the Multi-Purpose Room and adjacent Auditorium. Refer to ***Appendix J*** for laboratory analysis results and chain of custody forms.

The results of indoor air sampling confirm that with the surfaces within the room abated utilizing methods selected in the pilot, the indoor air concentrations were reduced to non-detected. Though a limited pilot project, the methodology has been demonstrated to achieve the original goal in Multi-purpose Room of $\leq$ 200 ng/m^3.

4.5.2 Post Verification Bulk Sampling

Post verification sampling of wood floors after sealant removed was conducted. A single sample was collected as a core sample of surface to half inch depth and results confirmed floor to be < 1 ppm (0.57 ppm). In addition following the removal of oil staining from concrete within the dumb waiter on concrete floor surfaces, three post verification concrete core samples were collected of surface to half inch depth. All three samples had no PCBs detected. Sample analysis performed at Con-Test Analytical Laboratory in East Longmeadow, Massachusetts. Samples were analyzed using extraction method 3540C and analysis method SW-846 8082.

Refer to ***Appendix K*** for laboratory analysis results and chain of custody forms.

4.5.3 Post Verification Wipe Sampling Encapsulated Surfaces

Post verification sampling of encapsulated surfaces was initially performed by TRC for interior and exterior encapsulated surfaces as required in Condition 15 of the Approval. Initial wipe samples were collected in December 2015 and February 2016. Refer to Table 3 for TRC collected samples. In 2016 all results were ≤1 µg/100 cm^2 for representative samples collected on encapsulated porous surfaces. Note this required multiple applications of acrylic sealants in some cases to obtain passing results. The reporting limit for analytical data was 1.0 µg/100 cm^2. Laboratory analysis results and diagrams will be provided upon project completion within Final Report as required in condition 27.

EnviroScience recommended that in order to comply with the requirements of Condition 20 of the Approval for a Monitoring and Maintenance Implementation Plan (MMIP), that the post verification wipe sampling performed in 2016 be repeated in 2018 since no MMIP has been submitted or approved

by EPA. The intention was to confirm the effectiveness of encapsulation work by the Contractor in 2016 and that the products utilized are in fact performing as designed to prevent migration of PCBs.

The sampling was performed on January 4, 2018. In total 25 samples were collected which included samples 1-17 for interior encapsulated surfaces and samples 18-25 as exterior encapsulated surfaces. With the exception of one sample location all interior wipe samples met required standard of ≤1 µg/100 cm² for encapsulated porous surfaces with a laboratory reporting limit of 0.20 µg/100 cm². Most all samples for the exterior failed to meet the required standard of ≤1 µg/100 cm² for encapsulated porous surfaces.

Sample analysis was performed at Con-Test Analytical Laboratory in East Longmeadow, Massachusetts. Samples were analyzed using extraction method 3540C and analysis method SW-846 8082.

Refer to ***Appendix L*** for laboratory analysis results and chain of custody forms. Refer to **Figure 1.3** for locations and sample analysis results.

Based on the results we cannot determine if the work was satisfactorily completed by the Remediation Contractor as we were not present to physically observe the application of encapsulant sealants. It is visually evident that the proposed product was in fact installed as a clear acrylic encapsulant (Sikagard 670W Clear water-based 100% acrylic coating). The mil thickness of such in all instances appears to be adequate to meet manufacturer's requirements for the installed product of a single coat with a dry film thickness of 2.3 mils for surfaces which are not extremely porous. The encapsulated surfaces on the exterior are non-polished granite so a single or maximum of two coats are suggested by the manufacturer.

Due to the findings that most all exterior surfaces do not meet the standard proposed in the approved plan under Condition 20, we recommended to the client they consider applying an epoxy product to the exterior locations. This will first require the stripping of the existing acrylic coating from the substrates due to incompatibility between products. Once the acrylic product is stripped from the surfaces encapsulated per the original plan, they shall be encapsulated with a two-part epoxy product of two coats. We shall monitor the application of selected products for adherence to the wet mil thickness of products to provide for the appropriate coverage of the surfaces when dry in accordance with manufacturer's requirements and collect post wipe samples in accordance with Condition 20.

5 Risk Evaluation

This section provides a summary of potential exposure risks associated with the identified PCB Bulk Products and PCB Remedial Wastes. Note previous Approval considered the original materials and remediation methods. This Modification 2 is specific to the identification of additional materials containing PCBs. An evaluation is required since several surfaces cannot be fully remediated to remove PCBs and PCB Remedial Wastes will remain at the Site.

Conditions include the following:

- **Caulk is present at Roof Monitors.** Caulk is above existing waffle slab ceilings at roof line and are not accessible without aide of ladders. Testing has not been performed. Caulk will be

removed as Presumed PCB Bulk Product Waste. The surfaces immediately adjacent to the caulk shall be encapsulated to the full depth of the former caulk joint and to a distance of two inches on either side of the caulk joint with products described herein as utilized in the pilot project. Once complete the joint shall be re-caulked and then the entire ceiling surface encapsulated also as specified to address potential PCBs in paint. Paint in this instance also has not been tested and is presumed to contain PCBs.

- **PCB containing paint/sealants on concrete waffle slab ceilings and beams.** Ceilings are accessible by ladder or small step stool only. The paint/sealants shall be removed from the substrates using manual scraping which has been demonstrated to remove 95% of all paint. Porous substrates may contain residual paint and intention is to encapsulate entire surface as specified herein with encapsulant products listed herein.
- **PCB containing paint on painted brick, concrete block and concrete wall and columns.** Materials are potentially accessible. Paint in this instance also has not been tested and is presumed to contain PCBs. The paint shall be prepared to receive new coatings as required by manufacturer and only limited peeling paints will be removed. Intention is to encapsulate entire surface as specified herein with encapsulant products listed herein.
- **Interior and Exterior Porous Surfaces in contact with caulk.** Materials near floor or grade surface around doors and windows are accessible. Previous work in 2015/2016 included removal of caulk containing PCBs as PCB Bulk Product Waste. Porous surfaces were encapsulated with an acrylic coating. Wipe samples have identified that most exterior surfaces need to be re-encapsulated. Encapsulation will be to the extent as previously noted in Approval and Modification 1.

5.1 Risk Assessment

The building is currently vacant, however will be occupied and exposure pathways must be determined. The potential building occupants will include Library staff, and visitors of all ages including children. The duration of visits by public will vary based on scheduled programs as well as normal allowance of visits during operation. Library staff durations are measurable based on hours of operation. Based on the original work and proposed work associated with this Modification 2 we have established the following potential exposure pathways:

- Direct dermal contact with accessible painted surfaces to remain at walls and columns.
- Direct dermal contact with accessible porous PCB Remedial Waste to remain at doors and windows (interior and exterior).
- Direct dermal contact with accessible dust potentially containing PCBs.
- Inhalation of PCB vapors (off-gassing) and fugitive dust emissions associated with indoor air.

Direct Dermal Contact: The PCB Remedial clean-up and decontamination goal for porous surfaces in a high occupancy use structure is a standard of ≤1 ppm as required for continued unrestricted use. This is also established as a requirement in Condition 14 of the Approval. The methodology proposed to prevent dermal contact where >1 ppm is likely to remain in porous surfaces shall be to encapsulate with a specialty coating (acrylic or epoxy). The effectiveness of which will be demonstrated with wipe sampling having results which are ≤1 µg/100 cm^2 as required in Condition 15 of the Approval.

Dust within interior work areas shall be cleaned and maintained for high occupancy use and demonstrated with wipe sampling having results which are ≤1 µg/100 cm^2 as required in Condition 17 of the Approval.

Inhalation: The project goal for post abatement indoor air concentrations was established for the project. It is presumed the standard accepted accounted for the longest occupancy period for Library staff but also for shorter duration time periods for infants and children who may also frequent the library. Indoor air samples are to be collected to demonstrate the effectiveness of the remediation work and encapsulation. This is established as a requirement in Condition 17 of the Approval. The effectiveness will be demonstrated with indoor air sampling using EPA Method TO-10A with a detection limit of ≤0.5 µg/m^3. Indoor air samples shall meet Site specific standard of ≤200 µg/m^3.

The demonstration during the pilot project confirmed that additional identified sources of PCBs within the building such as paints/sealants are significant previously unknown contributors to PCB concentrations within indoor air. The proposed work to include removal of paints/sealants from ceilings and subsequent encapsulation of porous substrates and encapsulation of all wall and column surfaces is anticipated to reduce indoor air concentrations to goal of ≤200 µg/m^3. This was confirmed in a limited way during pilot to conduct remedial work proposed herein within the Multi-purpose Room.

6 Remediation Plan

The work described in this request for a Modification 2 to the original Risk-Based PCB Cleanup and Disposal Approval Plan has been submitted in accordance with 40 CFR § 761.61(c). The original approved Risk Based Disposal Plan dated July 2015 was prepared by TRC Environmental Corporation (TRC).

The remediation work shall be performed to ensure compliance with EPA Toxic Substance Control Act (TSCA) requirements and protect both public health and the environment. Materials classified as PCB Bulk Product Waste and Bulk PCB Remediation Waste shall be properly disposed in compliance with federal and state regulatory requirements. Refer to **Figures HM-01 through HM-03** for locations requiring PCB abatement. Refer to ***Appendix M*** for technical specifications for PCB Remediation.

6.1 Interior Abatement and Remediation

The proposed abatement activities to be performed by the Remediation Contractor shall include the following:

1. Site preparation and controls to facilitate remediation of PCBs.
2. Health and Safety in accordance with Occupation Safety and Health Administration (OSHA) requirements.
3. Recordkeeping and distribution as required in accordance with 40 CFR part § 761.125 (c) (5).

6.1.1 Preparations Prior to Abatement

The following represent the preparations required to facilitate the required work:

1. The building is vacant and shall remain vacant through the abatement and remediation process.
2. Town of Suffield shall arrange for the existing books, videos and other items be cleaned and temporarily moved and stored outside of the building. Cleaning shall be consistent with requirements as dictated by Towns Historian consultant.
3. Town of Suffield shall arrange for the existing shelving and cabinetry to be disassembled and stored outside of the building for re-use upon completion of remediation and abatement work.
4. Town of Suffield shall arrange for the drainage and removal of sprinkler heads as necessary within work area.
5. The Contractor shall make safe, lock out and tag out and remove or lower mechanical and electrical systems and conduit within all work areas to facilitate mechanical removal of paint. Care shall be taken to protect such from damage during work including wrapping as necessary.
6. The Contractor shall shut down the HVAC systems and provide critical barriers consisting of 6 mil polyethylene sheeting sealed at all edges for all existing intakes, returns and supply diffusers.
7. Where necessary, deactivate electrical power, including receptacles and light fixtures. Under no circumstances during the decontamination procedures will lighting fixtures be permitted to be operating when amended water spray may contact the fixture. Provide GFCI devices, temporary power, and temporary lighting installed in compliance with the applicable electrical codes. All installations are to be made by a State of Connecticut-licensed electrician, permitted as required, and located outside the work areas.
8. Create pressure differential within the work areas and uncontaminated areas by the use of acceptable negative air pressure equipment sufficient to provide four air changes per hour and create negative air pressure of -0.02 inches of water column within enclosure with respect to outside area as measured on a water gauge.
9. The work area containment shall then be fully established to provide asbestos regulated negative air pressure containment including 6-mil polyethylene sheeting as critical barriers at all HVAC systems and other openings.
10. The Contractor shall establish contiguous to the work area, a decontamination system consisting of equipment room, shower room, and clean room, in series. The only access between contaminated and uncontaminated areas shall be through this decontamination enclosure.
11. The Contractor shall establish appropriate warning signs at all entrances and approaches to the work area as required for both asbestos and PCBs in accordance with OSHA regulations. For PCBs use of the M_L label language is also recommended.
12. Waste Containers for PCB Bulk Product Waste: Appropriate PCB waste containers shall be placed adjacent to abatement zones. Containers shall be lined covered and secured. The PCB waste containers shall be properly marked as described in 40 CFR part 761.45. Marking shall include a PCB M_L marker.

6.1.2 PCB Abatement and Remediation

The following abatement and remediation work shall be performed in a manner that minimizes the creation of fine dust and debris. Surface preparation and removal of PCB paints and sealants shall be

conducted within established containment using manual methods and limited rotary grinders. Work shall include the following:

1. The Abatement Contractor shall remove and dispose of caulking between roof panel joints and columns/beams as assumed PCB Bulk Product Waste > 50 ppm. Caulk joint and two inches either side shall be encapsulated.
2. The Abatement Contractor shall remove and dispose of 12 x 12 floor tile and associated mastic adhesive as asbestos and PCBs <50 ppm.
3. The Abatement Contractor shall remove and dispose of interior 2 x 2 ceiling tiles with asbestos containing glue daubs. Ceiling tiles and glue daub materials also contain PCBs <50 ppm.
4. The Abatement Contractor shall remove and dispose of vinyl cove base and associated mastic adhesive. Materials shall be disposed of as PCB Containing Waste< 50 ppm.
5. The Abatement Contractor shall remove and dispose of all paint from existing ceilings and concrete beams associated with coffered ceiling systems throughout the facility. Dispose of all waste as PCB Bulk Product Waste > 50 ppm. Contractor shall clean and encapsulate ceilings and beams with epoxy primer and finish coats.
6. The Abatement Contractor shall demolish and remove all existing parquet style wood floors for disposal. Materials contain >1 ppm in the sealant coating on floors and also > 1 ppm in mastics associated with wood. All wood materials shall be disposed of as PCB Containing Waste< 50 ppm.
7. The Abatement Contractor shall strip all sealants, coatings and mastics from existing porous concrete floor surfaces using mechanical bead blasting equipped with HEPA shrouds to remove to bare substrate. Carpeting covering existing concrete floors shall be removed in its entirety for disposal. All carpeting, stripping debris and dust shall be disposed of as PCB Containing Waste< 50 ppm.
8. The Abatement Contractor shall remove and dispose of all existing porous brick floor surfaces in their entirety including mortar due to presence of sealant coatings. Materials shall be disposed of as PCB Containing Waste< 50 ppm.
9. The Abatement Contractor shall conduct surface preparation and encapsulation of all existing painted interior wall and columns (concrete, concrete block and brick) with an epoxy primer sealer and epoxy finish coating.
10. The Abatement Contractor shall conduct surface preparation and encapsulation of all existing exposed concrete ceilings within mechanical room with an epoxy primer sealer and epoxy finish coating.
11. The Abatement Contractor shall conduct surface preparation and encapsulation of all existing painted ceilings and beams associated with roof monitors with an epoxy primer sealer and epoxy finish coating.
12. The Abatement Contractor shall conduct surface encapsulation of all existing porous surfaces on the exterior of the building where previous applications of Encapsulant have been utilized. This includes concrete and granite sills, heads and columns associated with windows and doors. Existing acrylic products utilized shall be stripped to facilitate new product. The Abatement Contractor shall install a two-part epoxy product. A total of two coats are proposed as recommended by manufacturer's requirements.
13. Additionally, all interior locations shall be re-encapsulated. Existing acrylic products utilized such as Sikagard 670 W Clear Acrylic shall be re-installed to provide additional coverage in

accordance with manufacturer's requirements. Refer to Section 09 90 00 for Paints and Coatings.

14. Site restoration shall be performed by Owner's general trades' contractor under separate contract following PCB remediation.

6.1.3 Decontamination and Cleaning Procedures

1. The Contractor shall be responsible for complete cleaning and decontamination of the Abatement Zone upon completion of work. The Abatement Zone will be required to meet proposed Verification Sampling limits established in Condition 17 of the Approval.
2. The Contractor shall utilize HEPA vacuum and wet cleaning products to remove all visible dust and debris from all surfaces within the work area. If specialty products are utilized the Contractor shall utilize in accordance with manufacturer's specifications including any additional safety and disposal requirements for such use.
3. Cleaning of containment barriers shall be performed prior to removal leaving critical barriers at openings, decontamination units and negative air filtration devices in place until results of post verification sampling indicate acceptable limits. Cleaning shall be performed from ceiling to floors.
4. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and decontaminated in accordance with 40 CFR Part §761.79 (b)(1) or disposed of in accordance with §761.60 (a).
5. All rags and other cleaning materials used to clean shall also be properly disposed as PCB Remediation Waste. All PCB Remediation Waste shall be stored for disposal in accordance with 40 CFR 761.65. All waste containers shall be appropriately marked in accordance with 40 CFR Part §761.40 and §761.45.
6. Equipment to be utilized in connection with the removal of PCB Bulk Product Waste and CTDEEP PCB Waste including waste collection or that will or may come in direct contact with the site contaminants shall be decontaminated prior to leaving the site to prevent migration of the contaminated residues from the project site. Decontamination shall be in accordance with 40 CFR Part §761.79 and Sub-part S procedures.
7. All non-disposable equipment and tools employed in the course of the project will be decontaminated at the conclusion of each work day through the following sequence:
    a. Initial tap water rinse, to remove gross soil
    b. Tap water and hexane or equivalent wash
    c. Tap water rinse
    d. Second tap water and hexane or equivalent wash
    e. Second tap water rinse
8. The wash water and decontamination liquids shall be captured and containerized in DOT approved 55-gallon barrels for off-site disposal.

6.1.4 PCB Abatement Monitoring and Sampling

Remediation Monitoring and Post Remediation sampling activities to be performed shall include the following:

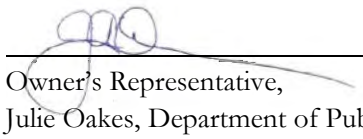
1. Monitoring remediation activities as Owner's representative shall be performed by EnviroScience.
2. EnviroScience shall confirm the establishment of containments as required to facilitate the removal of PCBs and asbestos. Final air clearances for asbestos will be required for select materials to be removed.
3. Post-abatement indoor surface wipe samples shall be collected in accordance with 40 CRF Part § 761.123 for PCBs at encapsulated surfaces.
    a. Surface wipe samples shall be collected to confirm the effectiveness of the encapsulation.
    b. Samples shall be collected at a frequency of four surfaces per work area or room (12 locations). This shall include two on ceilings and two on wall surfaces for a total of 48 sample locations.
    c. One additional sample shall be collected at failed sample for interior porous surface adjacent to window at Lower Level South.
    d. In addition five duplicates (10%) and three blank (5%) samples shall be submitted.
    e. Samples shall be compared to a standard of ≤1 µg/100 cm^2 as required in Condition 15 of the Approval.
4. Post-abatement indoor surface wipe samples shall be collected in accordance with 40 CRF Part § 761.123 for PCBs.
    a. Interior wipe samples shall be collected to confirm the effectiveness of the containment during removal activities.
    b. Samples shall be collected at a frequency of two horizontal surfaces per work area or room (12 locations). This shall include a total of 24 sample locations.
    c. In addition three duplicates (10%) and two blank (5%) samples shall be submitted.
    d. Samples shall be compared to a standard of ≤1 µg/100 cm^2 as required in Condition 17 of the Approval.
5. Post-abatement exterior surface wipe samples shall be collected in accordance with 40 CRF Part § 761.123 for PCBs.
    a. Surface wipe samples shall be collected to confirm the effectiveness of the encapsulation following the re-coating of exterior surfaces.
    b. Samples shall be collected at all locations where a failed exterior wipe sample has been documented. This includes eight sample locations.
    c. In addition one duplicate (10%) and one blank (5%) sample shall be submitted.
    d. Samples shall be compared to a standard of ≤1 µg/100 cm^2 as required in Condition 15 of the Approval.
6. Post-abatement indoor air samples shall be collected in accordance with Condition 17 of the Approval.
    a. Indoor air samples shall be collected utilizing EPA Method TO-10A with sufficient sample volume to provide a laboratory reporting limit of ≤0.050 µg/m^3 .
    b. Samples shall be collected to confirm the effectiveness of the interior remediation and encapsulation.
    c. Samples shall be collected at all interior rooms (12 locations).
    d. In addition two duplicate (10%) and one blank (5%) sample shall be submitted.
    e. Samples shall be compared to a standard of ≤200 ng/m^3 as required in Condition 17 of the Approval.

7. Post-abatement bulk samples shall be collected from concrete floor surfaces after removing sealants, adhesives and mastics (<50 ppm) using abrasive media blasting (blast tract). Samples shall be collected in consultation with EPA Standard Operating Procedure for Sampling Porous Surfaces for PCBs dated May 2011.
    a. Bulk core samples shall be collected to confirm the effectiveness of the removal as core samples of concrete to represent surface to a maximum depth of one half inch.
    b. Samples shall be collected at a frequency of four surfaces per work area or room at four corners and one or two samples in center of area/room based on configuration (12 locations). This shall include a total of 72 sample locations.
    c. In addition eight duplicates (10%) shall be submitted.
    d. Samples shall be compared to a standard of ≤1 ppm as required in Condition 14 of the Approval and in accordance with CTDEEP requirements.
8. Site restoration shall be performed by Owner's general trades' contractor under separate contract following PCB remediation.

7 Schedule and Plan Certification

It is the intent of the Town of Suffield to begin the removal of PCB Bulk Product Materials and encapsulation upon acceptance of this Modification 2 and award of a competitive bid for selection of an Abatement and Remediation Contractor. It is anticipated that the work shall be performed as expeditiously as possible. The building will not be occupied and all PCB remediation work will be performed in regulated areas.

The Owner hereby certifies that all the 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 School and available for EPA inspection.



Owner's Representative,
Julie Oakes, Department of Public Works

03/16/18
Date

Tables

FUSS & O'NEILL
EnviroScience, LLC

Table 1

Substrate Verification Sample Results – Prepared by TRC

FUSS & O'NEILL
EnviroScience, LLC

Substrate Verification Sample Results
Kent Memorial Library, Suffield, Connecticut

Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)
V1	9" brick floor – interior	WC2 – grey interior window caulk	3/23/2015	**43.9**
V2	9" brick floor – interior		3/23/2015	**5.23**
V3	9" brick floor – interior		3/23/2015	**5.75**
V4	9" brick floor – interior		3/23/2015	**6.38**
V5	9" brick floor – interior		3/23/2015	**6.51**
V6	9" brick floor – interior		3/23/2015	**5.15**
V7	9" brick floor – interior		3/23/2015	**3.51**
V8	9" brick floor – interior		3/23/2015	**2.92**
V9	9" brick floor – interior		3/23/2015	**2.3**
V10	9" brick floor – interior		3/23/2015	**2.47**
V11	9" brick floor – interior		3/23/2015	**4.71**
V12	9" brick floor – interior		3/23/2015	**2.57**
V13	9" brick floor – interior		3/23/2015	**2.64**
V14	9" brick floor – interior		3/23/2015	**2.51**
V15	9" brick floor – interior		3/23/2015	**3.49**
V16	9" brick floor – interior		3/23/2015	**2.82**
V17	9" brick floor – interior		3/23/2015	**3.83**
V63	15" brick floor - interior		4/22/2015	**4.36**
V64	15" brick floor - interior		4/22/2015	**1.63**
V65	15" brick floor - interior		4/22/2015	**2.54**
V66	15" brick floor - interior		4/22/2015	**1.32**
V67	15" brick floor - interior		4/22/2015	**1.35**
V68	15" brick floor - interior		4/22/2015	**2.00**
V69	15" brick floor - interior		4/22/2015	**2.16**
V70	15" brick floor - interior		4/22/2015	**1.47**
V71	15" brick floor - interior		4/22/2015	**1.06**
V72	15" brick floor - interior		4/22/2015	**1.06**
V73	15" brick floor - interior		4/22/2015	**1.53**
V74	15" brick floor - interior		4/22/2015	**1.36**
V75	15" brick floor - interior		4/22/2015	**1.18**
V76	15" brick floor - interior		4/22/2015	**1.57**
V77	15" brick floor - interior		4/22/2015	**1.95**
V78	15" brick floor - interior		4/22/2015	**1.71**
V79	15" brick floor - interior		4/22/2015	**2.95**
V80	21" brick floor - interior		5/7/2015	**2.8**
V81	21" brick floor - interior		5/7/2015	**1.9**
V82	21" brick floor - interior		5/7/2015	**2.2**
V83	21" brick floor - interior		5/7/2015	**1.4**
V84	21" brick floor - interior		5/7/2015	**1.2**
V85	21" brick floor - interior		5/7/2015	**1.8**

Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)
V86	21" brick floor - interior	WC2 – grey interior window caulk	5/7/2015	**1.4**
V87	21" brick floor - interior		5/7/2015	**1.5**
V88	21" brick floor - interior		5/7/2015	**1.4**
V89	21" brick floor - interior		5/7/2015	**2.5**
V90	21" brick floor - interior		5/7/2015	**1.2**
V91	21" brick floor - interior		5/7/2015	0.98
V92	21" brick floor - interior		5/7/2015	**1.2**
V93	21" brick floor - interior		5/7/2015	0.81
V94	21" brick floor - interior		5/7/2015	**1.3**
V95	21" brick floor - interior		5/7/2015	**1.3**
V96	21" brick floor - interior		5/7/2015	**1.5**
V18	9" brick wall – interior		3/23/2015	0.528
V19	9" brick wall – interior		3/23/2015	0.251
V20	9" brick wall – interior		3/23/2015	0.469
V21	9" brick wall – exterior	WC1 – grey exterior window caulk	3/23/2015	0.095
V22	9" brick wall – exterior		3/23/2015	<0.062
V23	9" brick wall – exterior		3/23/2015	<0.062
V24	9" brick wall – exterior		3/23/2015	<0.065
V25	9" brick wall – exterior		3/23/2015	<0.054
V26	9" brick wall – exterior		3/23/2015	0.076
V27	9" brick wall – interior	WC2 – grey interior window caulk	3/24/2015	0.153
V28	9" brick wall – interior		3/24/2015	0.448
V29	9" brick wall – interior		3/24/2015	0.336
V30	9" brick wall – interior		3/24/2015	0.281
V31	9" brick wall – interior		3/24/2015	0.288
V32	9" brick wall – interior		3/24/2015	0.261
V33	9" brick wall – interior		3/24/2015	0.123
V34	9" brick wall – interior		3/24/2015	0.2
V35	9" brick wall – interior		3/24/2015	0.364
V36	9" brick wall – interior		3/24/2015	0.429
V37	9" brick wall – interior		3/24/2015	0.491
V38	9" brick wall – interior		3/24/2015	0.592
V39	9" brick wall – interior		3/24/2015	0.56
V40	9" brick wall – interior		3/24/2015	0.58
V41	9" brick wall – interior		3/24/2015	0.415
V42	9" brick wall – interior		3/24/2015	0.18
V43	9" brick wall – interior		3/24/2015	0.221
V44	9" brick wall – interior		3/24/2015	0.592
V45	9" brick wall – interior		3/24/2015	0.672
V46	9" brick wall – interior		3/24/2015	0.238
V47	9" brick wall – interior		3/24/2015	0.398
V48	9" brick wall – interior		3/24/2015	0.263

Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)
V49	9" brick wall – exterior	WC1 – grey exterior window caulk	3/24/2015	<0.057
V50	9" brick wall – exterior		3/24/2015	<0.058
V51	9" brick wall – exterior		3/24/2015	<0.062
V52	9" brick wall – exterior		3/24/2015	<0.063
V53	9" brick wall – exterior		3/24/2015	0.101
V54	9" brick wall – exterior		3/24/2015	0.241
V55	9" brick wall – exterior		3/24/2015	0.094
V56	9" brick wall – exterior		3/24/2015	0.107
V57	9" brick wall – exterior		3/24/2015	0.062
V58	9" brick wall – exterior		3/24/2015	0.071
V59	9" brick wall – exterior		3/24/2015	0.146
V60	9" brick wall – exterior		3/24/2015	0.102
V61	9" brick wall – exterior		3/24/2015	<0.064
V62	9" brick wall – exterior		3/24/2015	0.075

FUSS & O'NEILL
EnviroScience, LLC

Table 2

Wipe Verification Sample Results – Prepared by TRC

FUSS & O'NEILL
EnviroScience, LLC

Wipe Verification Sample Results
Kent Memorial Library, Suffield, Connecticut

Sample ID	Wipe Location	Date Collected	Total PCBs (µg/100 cm²)
WV1	North Ramp	6/25/2015	**5.4**
1A	North Ramp Re-Sample	6/30/2015	ND<1.0
No Sample ID	South Ramp 1	7/7/2015	ND<1.0
No Sample ID	W-LL O/S Auditorium	7/17/2015	ND<1.0
No Sample ID	W-LL Lobby O/S Records Room	7/29/2015	ND<1.0
No Sample ID	W-LL Bathroom Hallway	8/3/2015	ND<1.0
01	Area 1 Wall	9/18/2015	ND<1.0
PCB Wipe 02	Area 2 Wall	9/21/2015	**1.1**
PCB Wipe 03	Area 2 Re-Sample Wall	9/22/2015	ND<1.0
PCB Wipe 04	Area 4 Floor	9/22/2015	ND<1.0
PCB Wipe 05	Area 3 Intermediate Level NE Floor	9/23/2015	ND<1.0
PCB-Wipe-06	Area 5 Upper Level West Floor	9/24/2015	ND<1.0
PCB Wipe 06	Area 6 Floor	9/30/2015	ND<1.0
PCB Wipe 07	Area 7 Floor	9/30/2015	ND<1.0
PCB-Wipe-9	Area 8 Floor	10/9/2015	**1.8**
01	Area 9 - West Side of Building	10/13/2015	ND<1.0
PCB-Wipe-10		10/16/2015	**1.9**
1	Area 9	10/20/2015	0.87
2	Blank	10/20/2015	ND<1.0
3	Area 10	10/21/2015	ND<1.0
4	Blank	10/21/2015	ND<1.0
5	Area 11	10/23/2015	**1.3**
6	Blank	10/23/2015	ND<1.0
7	Area 11	10/26/2015	**11**
8	Blank	10/26/2015	**1.3**
9	Area 12	10/27/2015	ND<1.0
10	Blank	10/27/2015	ND<1.0
11	Area 11 Re-Sample	10/28/2015	**2.5**
12	Blank	10/28/2015	ND<1.0
13	Area 13	10/28/2015	**1.5**
Area 11-1	Area 11 Re-Sample	11/2/2015	ND<1.0
Area 13-1	Area 13 Re-Sample	11/2/2015	ND<1.0
Area 14-1	Area 14	11/2/2015	ND<1.0

FUSS & O'NEILL
EnviroScience, LLC

Table 3

Encapsulation Wipe Verification Sample Results – Prepared by TRC

FUSS & O'NEILL
EnviroScience, LLC

Encapsulation Wipe Verification Sample Results
Kent Memorial Library, Suffield, Connecticut

Sample ID	Wipe Location	Date Collected	Total PCBs (µg/100 cm²)
1	Lower Lobby Door Ceiling	11/18/2015	**11**
2	Lower Lobby Window Column	11/18/2015	ND<1.0
3	Lower Level South Ceiling	11/18/2015	ND<1.0
4	Lower Level South Column	11/18/2015	ND<1.0
5	Upper Level South Column	11/18/2015	**1.9**
6	Upper Level South Column (Duplicate)	11/18/2015	ND<1.0
7	Upper Level South Ceiling	11/18/2015	ND<1.0
8	Intermediate Level North Column	11/18/2015	ND<1.0
9	Intermediate Level North Ceiling	11/18/2015	ND<1.0
10	Blank	11/18/2015	ND<1.0
27-PCB-Wipe	Lower Elevation NW Column Courtyard	12/3/2015	ND<1.0
28-PCB-Wipe	Upper Elevation SW Column	12/3/2015	ND<1.0
10	S Side Basement Door to Ext	12/18/2015	ND<1.0
11	N Side Mech. Rm Door to Ext	12/18/2015	**1.9**
13	Ext Ceiling/Soffit above SE Window	12/18/2015	**3.9**
14	Ext Ceiling/Soffit above NE Window	12/18/2015	ND<1.0
15	Ext Ceiling/Soffit above NE Window	12/18/2015	ND<1.0
17	Blank	12/18/2015	ND<1.0
01-PCB	Re-test of Sample #11	12/31/2015	ND<1.0
02-PCB	Re-test of Sample #12	12/31/2015	ND<1.0
03-PCB	SW Ext. Window Sill	12/31/2015	**7.3**
04-PCB	SE Ext. Window Sill	12/31/2015	**2.2**
05-PCB	Duplicate of 04-PCB	12/31/2015	**3.5**
1	South West Window Sill	2/2/2016	ND<1.0
2	Duplicate SW Window Sill	2/2/2016	ND<1.0
3	South East Window Sill	2/2/2016	**1.3**
2-17-JG-W1	South East Window Sill	2/17/2016	ND<1.0
2-17-JG-W1	Blank	2/17/2016	ND<1.0

FUSS & O'NEILL
EnviroScience, LLC

Table 4

Soil Verification Sample Results

FUSS & O'NEILL
EnviroScience, LLC

Soil Verification Sample Results
Kent Memorial Library, Suffield, Connecticut

Sample ID	Soil Sample Location	Date Collected	Total PCBs (PPM)
SV1	North Side	6/2/2015	ND<0.38
SV2	North Side	6/2/2015	ND<0.40
SV3	North Side	6/2/2015	ND<0.36
SV4	North Side	6/2/2015	ND<0.37
SV5	North Side	6/2/2015	ND<0.42
SV6	North Side	6/2/2015	ND<0.37
SV7	North Side	6/2/2015	ND<0.32
SV8	North Side	6/2/2015	ND<0.37
SV9	North Side	6/2/2015	ND<0.38
SV10	South Side	6/3/2015	ND<0.35
SV11	South Side	6/3/2015	0.63
SV12	South Side	6/3/2015	ND<0.38
SV13	South Side	6/3/2015	0.43
SV14	South Side	6/3/2015	0.38
SV15	South Side	6/3/2015	ND<0.37
SV16	South Side	6/3/2015	ND<0.34
SV17	South Side	6/3/2015	ND<0.35
SV18	South Side	6/3/2015	ND<0.38
SV19	South Side	6/3/2015	ND<0.36
SV20	South Side	6/3/2015	0.39
SV24	West Side	6/8/2015	ND<0.33
SV25	West Side	6/8/2015	ND<0.35
SV26	West Side	6/8/2015	ND<0.34
01-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.41
02-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.40
03-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.40
04-PCB-SOIL	Interior Courtyard	12/3/2015	0.51
05-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.36
06-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.40
07-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.40
08-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.37
09-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.41
10-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.41
11-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.45
12-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.41
13-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.40
14-PCB-SOIL	Interior Courtyard	12/3/2015	0.42
15-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.45
16-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.41
17-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.42

FUSS & O'NEILL
EnviroScience, LLC

Sample ID	Soil Sample Location	Date Collected	Total PCBs (PPM)
18-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.37
19-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.36
20-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.36
21-PCB-SOIL	Interior Courtyard	12/3/2015	0.57
22-PCB-SOIL	Interior Courtyard	12/3/2015	0.53
23-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.43
24-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.43
25-PCB-SOIL	Interior Courtyard	12/3/2015	0.74
26-PCB-SOIL	Interior Courtyard	12/3/2015	ND<0.36

FUSS & O'NEILL
EnviroScience, LLC

Table 5

Summary of PCB Indoor Air Sample Analysis Results

FUSS & O'NEILL
EnviroScience, LLC

Summary of PCB Indoor Air Sample Analysis Results
Kent Memorial Library, 50 North Main Street, Suffield, Connecticut

	12/31/2015		3/11/2016		
Sample Location	**Sample No.**	**PCB (ng/m^3)**	**Sample No.**	**PCB (ng/m^3)**	**Comparative Criterion (ng/m^3)**
Upper Level South	#1	**220**	#1	**280**	200
Upper Level North	#2	200	#2	**350**	200
Intermediate Level North	#3	170	#3	**240**	200
	#4 (D)	190	#4 (D)	**290**	200
Lower Level North	#5	120	#5	**330**	200
Lower Level South	#6	180	#6	**230**	200
Intermediate Level South	#7	170	#7	**280**	200
Lower Basement Work/Equipment Rooms	#8	130	#8	**250**	200
Basement Office	#9	180	#9	**250**	200
Basement Records Room	#10	120	#10	190	200
Basement Lower Lobby	#11	**250**	#11	150	200
	#12 (D)	**230**	#12 (D)	170	200
Lower Basement Auditorium	#13	**220**	#13	**200**	200
Lower Basement Multi-Purpose Room	#14	180	#14	**210**	200
Blank	#15	ND	#15	ND	N/A

Notes:

Samples collected on 12/31/2015 and 03/11/2016 by TRC
Units: nanograms per cubic meter (ng/m^3)
ND = Not detected at specified laboratory reporting limit
Comparative Criterion shown as included in plan Approval Condition 17
[Bold text] indicates that the constituent exceeds the Comparative Criterion
(D) = Duplicate sample collected at this location
Collection and analysis method TO-10A/USEPA 680 Modified

FUSS & O'NEILL
EnviroScience, LLC

Table 6

Summary of Bulk Sample Analysis Results

FUSS & O'NEILL
EnviroScience, LLC

Summary of Bulk Sample Analysis Results
Kent Memorial Library, Suffield, Connecticut

Sample ID	Sample Location	Material Type	Date Collected	Total PCBs (ppm)
1	Historical Room	Sealant on Concrete	4/13/2016	4.6
2	Historical Room	Sealant on Concrete	4/13/2016	11
3	Historical Room	Sealant on Concrete	4/13/2016	4.5
4	Theater	Sealant on Brick with carpet glue	4/13/2016	32
5	Theater	Sealant on Brick with carpet glue	4/13/2016	26
6	Theater	Sealant on Brick with carpet glue	4/13/2016	18
7	Fire Suppression Room	Sealant on Brick with carpet glue	4/13/2016	1.3
8	Stacks Area	Sealant on Concrete	4/14/2016	15
9	Stacks Area	Sealant on Concrete	4/14/2016	1.8
10	Stacks Area	Sealant on Concrete	4/14/2016	ND
11	Director's Office	Sealant on Concrete	4/14/2016	1.5
12	Director's Office	Sealant on Concrete	4/14/2016	3.1
13	Director's Office	Sealant on Concrete	4/14/2016	1.4
14	Theater - Middle	Sealant on Concrete	4/15/2016	3.1
15	Theater - Middle	Sealant on Concrete	4/15/2016	2.5
16	Theater - Middle	Sealant on Concrete	4/15/2016	2.6
1	Upper Level South	Parquet Floor (No mastic) Wood	5/2/2016	1.1
2	Intermediate Level South	Glue Daub - Ceiling	5/2/2016	1.4
3	Intermediate Level North	Glue Daub - Ceiling	5/2/2016	1.3
4	Intermediate Level North	Ceiling Tile	5/2/2016	21
5	Intermediate Level South	Ceiling Tile	5/2/2016	5
6	Multi-purpose Room (basement)	Vinyl Cove Base (no glue)	5/2/2016	37
7	Multi-purpose Room (basement)	Vinyl Cove Base Glue Only	5/2/2016	17
8	Auditorium	Book Shelf - Laminated Wood	5/2/2016	0.95
9	Lower Level South	Furniture Table - Wood	5/2/2016	ND
10	Multi-purpose Room (basement)	Mastic on backside of floor tile	5/2/2016	2.8
11	Equipment Room	Mastic on backside of floor tile	5/2/2016	2
12	Multi-purpose Room (basement)	Sealant on Concrete under floor tile	5/2/2016	1.8
13	Equipment Room	Sealant on Concrete under floor tile	5/2/2016	2
14	Under Dumb Waiter	Oil on concrete under dumbwaiter	5/2/2016	21
15	Intermediate Level South	Waffle Sealant - edge of ceiling	5/2/2016	47
16	Intermediate Level South	Waffle Sealant - interior ceiling	5/2/2016	9.1
17	Lower Level North	Waffle Sealant - edge of ceiling	5/2/2016	**75**
18	Lower Level North	Waffle Sealant - interior ceiling	5/2/2016	74

Sample ID	Sample Location	Material Type	Date Collected	Total PCBs (ppm)
1	Mechanical Room Waffle Interior	Sealant on Concrete	5/16/2016	14
2	Mechanical Room Waffle Interior	Sealant on Concrete	5/16/2016	5.9
3	Mechanical Room Waffle Edge	Sealant on Concrete	5/16/2016	23
4	Mechanical Room Waffle Edge	Sealant on Concrete	5/16/2016	2.9

Bold Results exceed 50 PPM

FUSS & O'NEILL
EnviroScience, LLC

Table 7

Summary of Pilot Surface Isolation Indoor Air Sample Analysis Results

FUSS & O'NEILL
EnviroScience, LLC

Summary of Pilot Surface Isolation Indoor Air Sample Analysis Results
Kent Memorial Library
50 North Main Street - Suffield, Connecticut

	3/11/2016		11/14/2016		11/17/2016	
Sample Location	**Sample No.**	**PCB (ng/m³)**	**Sample No.**	**PCB (ng/m³)**	**Sample No.**	**PCB (ng/m³)**
Upper Level Lobby			KPL-026	**41**	KPL-047	300
Upper Level North	#2	350	KPL-025	320	KPL-031	180
Ceiling					KPL-029	150
Floor					KPL-030	99
East Wall					KPL-032	200
South Wall					KPL-033	190
Lower Level North	#5	330	KPL-023	300	KPL-051	220
Ceiling					KPL-049/050(D)	110/70
Floor					KPL-052	63
East Wall					KPL-048	280
West Wall					KPL-053	240
Intermediate Level South	#7	280	KPL-024	340	KPL-036	170
Ceiling					KPL-037	160
Floor					KPL-035	11
East Wall					KPL-038	140
West Wall					KPL-034	160
Lower Basement Auditorium	#13	200	KPL-028	210	KPL-039	280
Lower Basement Multi-Purpose Room	#14	210	KPL-027	**45**	KPL-045	190
Ceiling					KPL-042	170
Floor					KPL-044	95
North Wall					KPL-041	45
South Wall					KPL-043	62
Fresh Air Intake					KPL-040	17
Blank	#15	ND	KPL-022	ND	KPL-046	ND

Notes:

Units: nanograms per cubic meter (ng/m3)

Samples collected on 03/11/2016 by TRC

Sample KPL-026 and KPL-027 Pump faulted during sampling so results are biased low

Samples collected on 11/14/2016 Pre-Isolation Ambient Samples

Samples collected on 11/17/2016 with surfaces isolated with polyethylene sheeting

ND = Not detected at specified laboratory reporting limit

(D) = Duplicate sample collected at this location

Collection and analysis method TO-10A/USEPA 680 Modified

FUSS & O'NEILL
EnviroScience, LLC

Table 8

Summary of Pilot Remediation Indoor Air Sample Analysis Results

FUSS & O'NEILL
EnviroScience, LLC

Summary of Pilot Remediation Indoor Air Sample Analysis Results
Kent Memorial Library, Suffield, Connecticut

	Sample Location				
	Multi-Purpose Room		Auditorium		
Sample Date	**Sample Number**	**PCB (ng/m³)**	**Sample Number**	**PCB (ng/m³)**	**Comparative Standard (ng/m³)**
TRC - 12-31-2015	#14	180	#13	220	200
TRC - 03-11-2016	#14	210	#13	200	200
FO - 11-15-2016	**KPL-027**	**45**	KPL-28	210	200
FO - 11-17-2016	KPL-045	190	KPL-039	280	200
FO - 11-10-2017	1101PB-01	110	**1110PB-03**	**ND**	200
FO - 11-10-2017	1101PB-02 (D)	110			200
FO -12-09-2017 (Post Remediation Pilot)	1209PB-01	ND	1209PB-03	130	200
FO -12-09-2017 (Post Remediation Pilot)	1209PB-02(D)	ND			200

Notes:

Sample KPL-027 Pump faulted during sampling so result is biased low

Sample 1110PB-03 - Client identified doors were left open for significant period prior to sampling

Units: nanograms per cubic meter (ng/m³)

ND = Not detected at specified laboratory reporting limit

Comparative Standards shown as included in EPA approved plan based on use demographic

(D) = Duplicate sample collected at this location

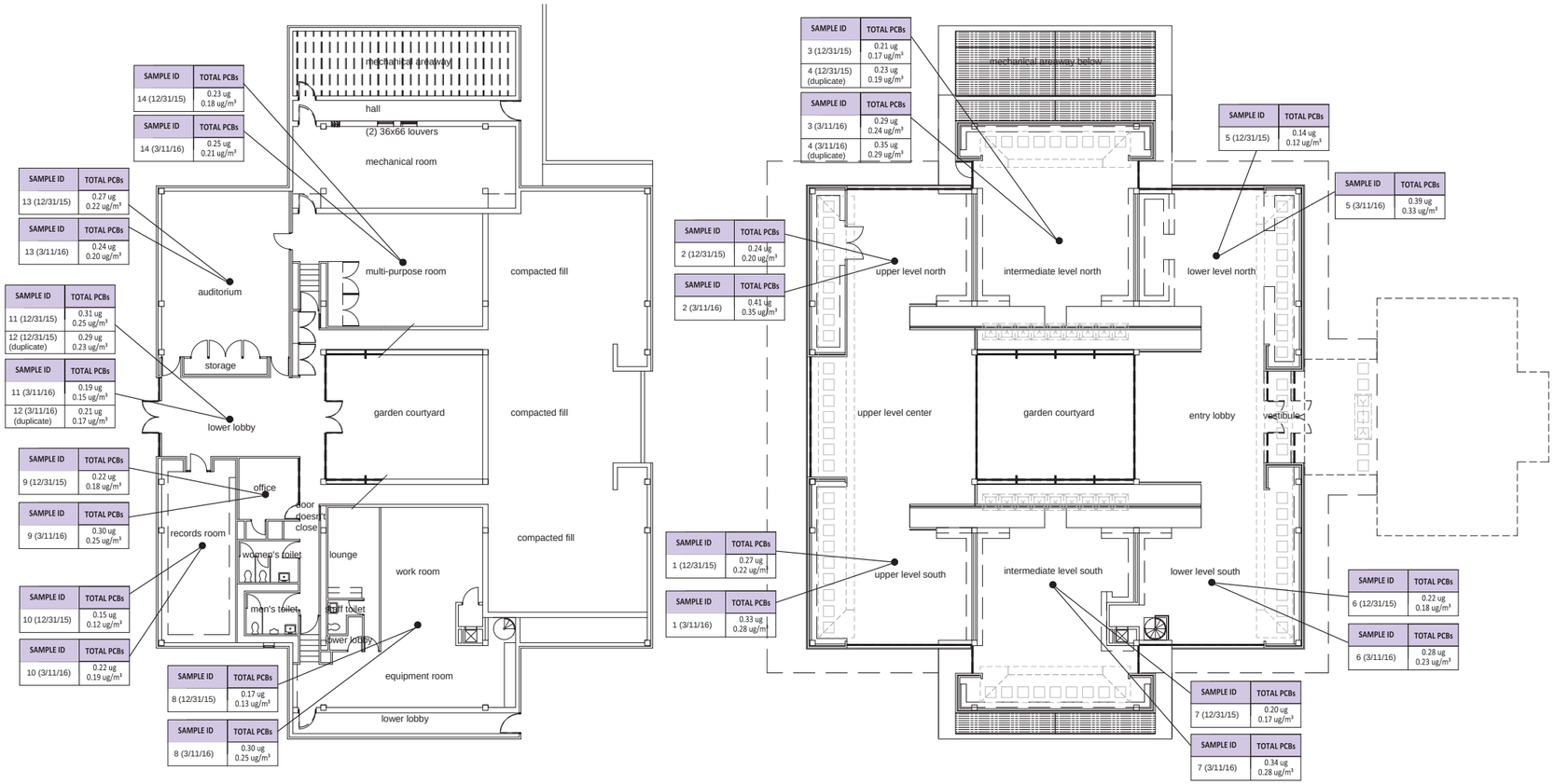
Collection and analysis method TO-10A/EPA 680 Modified

All samples collected in 2017 were with HVAC system turned off for Pilot Remediation

Figures

Figure 1.1

Indoor Air Sampling Locations – TRC December 2015 and March 2016



BASEMENT LEVEL
1/16" = 1'

UPPER, INTERMEDIATE & LOWER FIRST FLOOR LEVELS
1/16" = 1'

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1/16" = 1'
VERT.:
DATUM:
HORZ.:
VERT.:

FUSS & O'NEILL
EnviroScience, LLC
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

TOWN OF SUFFIELD

AIR SAMPLE LOCATIONS
FLOOR PLAN

KENT MEMORIAL LIBRARY

50 NORTH MAIN STREET SUFFIELD, CONNECTICUT

PROJ. No.: 20151259A3E
DATE: JANUARY 2018

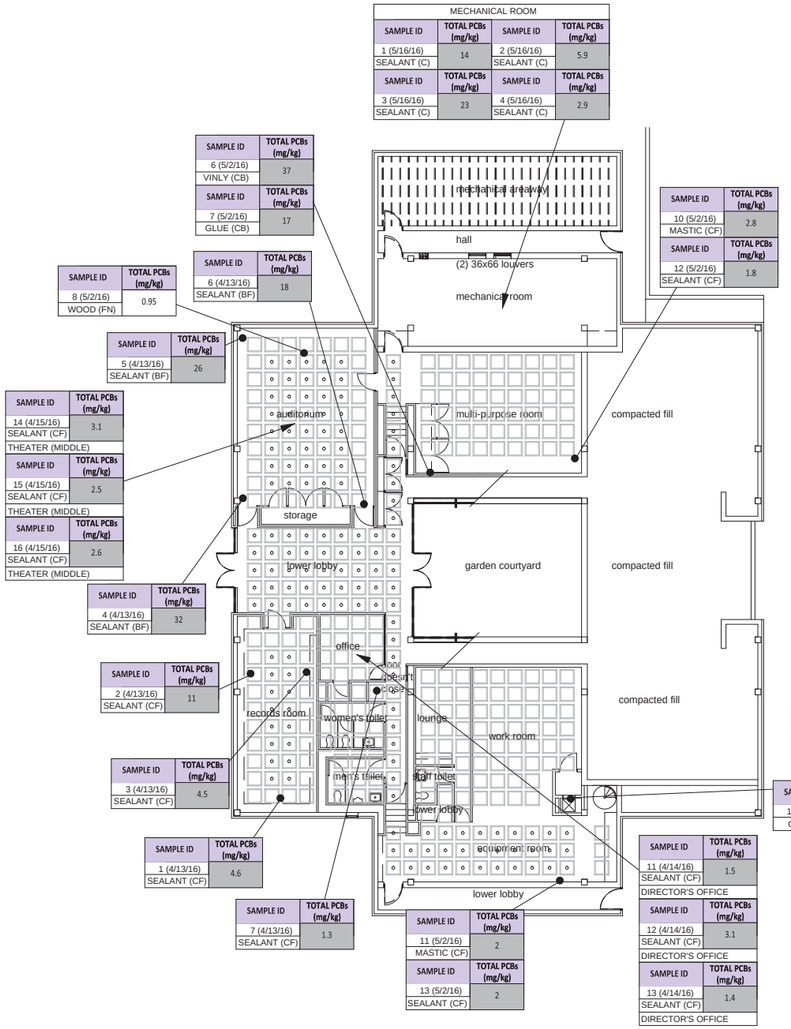
FIG. 1.1

File Path: J:\DWG\P2015\1259A3E\Environmental\Plan\20151259A3E_STP04_air samples floor plan.dwg Layout: 18X24-L Plotted: Mon, January 29, 2018 - 11:31 AM User: srochelt
Plotter: DWG TO PDF.PC3 CTB File: FO HALF.STB
LAYER STATE:
MS VIEW:

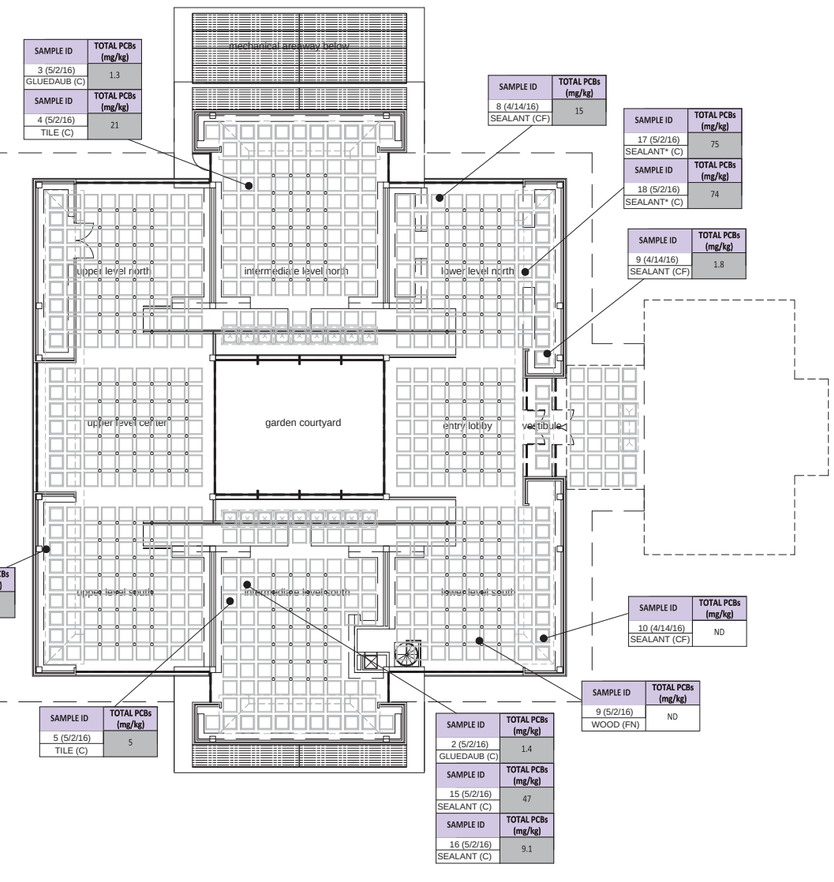
FUSS & O'NEILL
EnviroScience, LLC

Figure 1.2

Bulk Sampling Locations – TRC April - May 2016



BASEMENT LEVEL
1/16" = 1'



UPPER, INTERMEDIATE & LOWER FIRST FLOOR LEVELS
1/16" = 1'

SAMPLE ID
1 (4/13/16)
SAMPLE NUMBER — DATE COLLECTED

SAMPLE ID	TOTAL PCBs (mg/kg)
1 (4/13/16) SEALANT (CF)	1.1

MATERIAL SAMPLED — LOCATION (SEE LEGEND ADJACENT)

GREY SHADING INDICATES PCBs DETECTED AT A CONCENTRATION GREATER THAN 1 mg/kg (milligrams per kilogram)

LOCATIONS

(WF) = WOOD FLOOR
(FN) = FURNITURE
(C) = CEILING
(CB) = COVE BASE
(CF) = CONCRETE FLOOR
(BF) = BRICK FLOOR
(DM) = DUMB WAITER
* SEALANT AND ASSOCIATED PAINT ON CONCRETE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1/16" = 1'
VERT.:
DATUM:
HORZ.:
VERT.:

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TOWN OF SUFFIELD

BULK SAMPLE LOCATIONS

KENT MEMORIAL LIBRARY

50 NORTH MAIN STREET — SUFFIELD, CONNECTICUT

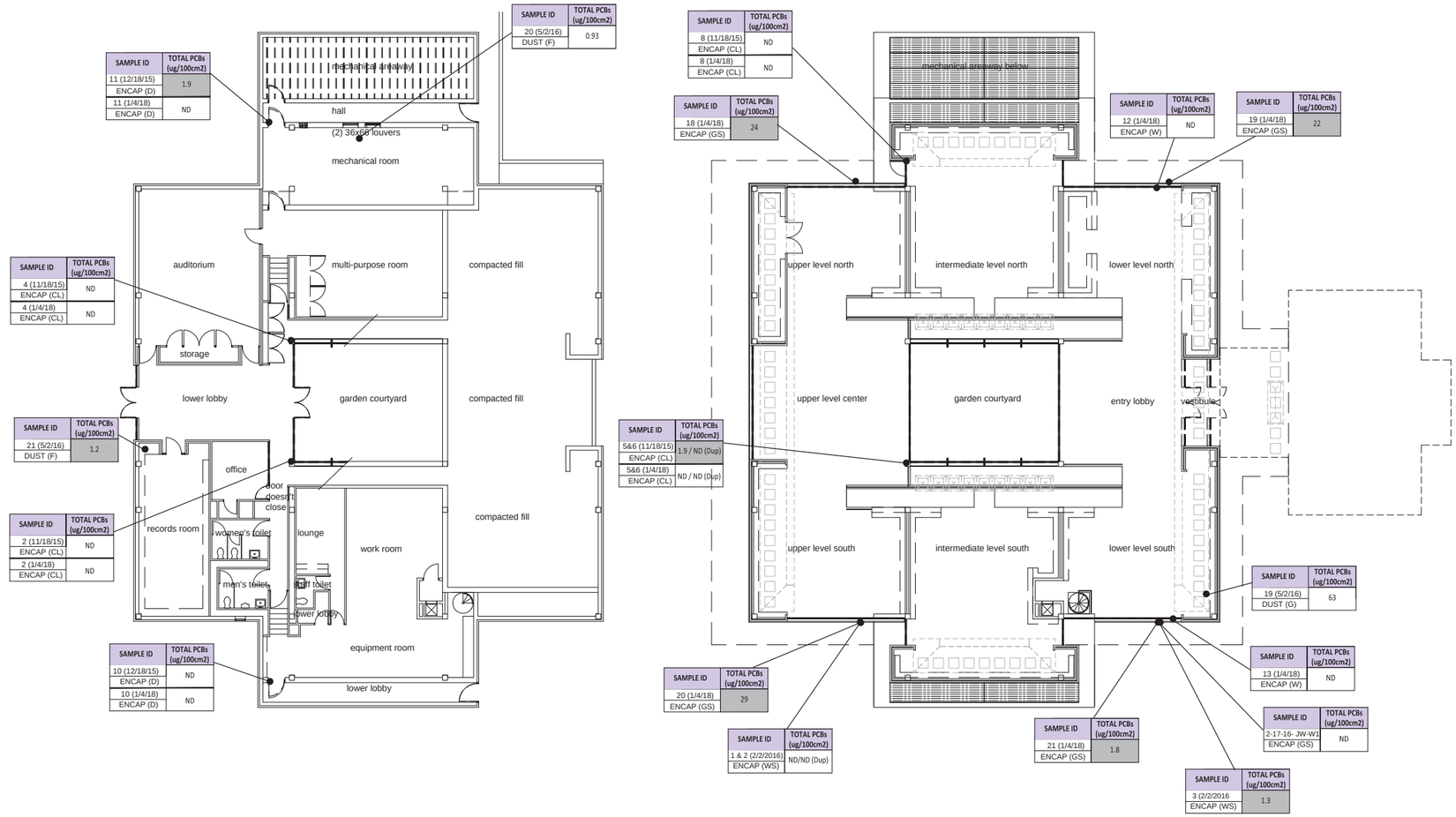
PROJ. No.: 20151259A3E
DATE: JANUARY 2018

FIG. 1.2

File Path: J:\DWG\P2015\1259A3E\Environmental\Plan\20151259A3E_STP01_bulk samples.dwg Layout: 18X24-L Plotted: Mon, January 29, 2018 - 11:10 AM User: srochelt
MS VIEW: LAYER STATE:
Plotter: DWG TO PDF.PC3 CTB File: FO HALF.STB

Figure 1.3

Wipe and Dust Sampling Locations



BASEMENT LEVEL
1/16" = 1'

UPPER, INTERMEDIATE & LOWER FIRST FLOOR LEVELS
1/16" = 1'

SAMPLE ID
1 (1/4/18)
SAMPLE NUMBER
DATE COLLECTED

SAMPLE ID	TOTAL PCBs (ug/100cm2)
20 (1/4/18)	29
ENCAP (GS)	

MATERIAL SAMPLED
LOCATION (SEE LEGEND ADJACENT)
GREY SHADING INDICATES PCBs DETECTED AT A CONCENTRATION GREATER THAN 1 ug/100cm2 (microgram per square centimeter)

LOCATIONS
(GS) = GRANITE SILL
(WS) = WINDOW SILL
(CL) = COLUMN
(G) = GRATE

MATERIAL
ENCAP = ENCAPSULATE
DUST

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1/16" = 1'
VERT.:
DATUM:
HORZ.:
VERT.:

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MANCHESTER, CONNECTICUT 06040
860.646.2469
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TOWN OF SUFFIELD
WIPE SAMPLE LOCATIONS
FLOOR PLAN
KENT MEMORIAL LIBRARY
50 NORTH MAIN STREET
SUFFIELD, CONNECTICUT

PROJ. No.: 20151259A3E
DATE: JANUARY 2018

FIG. 1.3

File Path: J:\DWG\P2015\12591259A3E\Environmental\Plan\20151259A3E_STP01_wipe sample floor plan.dwg Layout: 18X24-L Plotted: Mon, January 29, 2018 - 11:27 AM User: srochelt
Plotter: DWG TO PDF.PC3 CTB File: FO HALF.STB
LAYER STATE:
MS VIEW:

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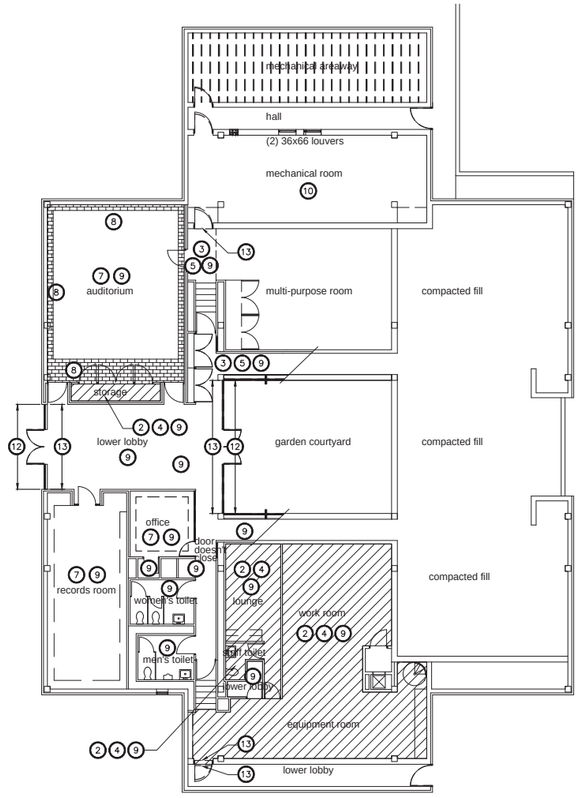
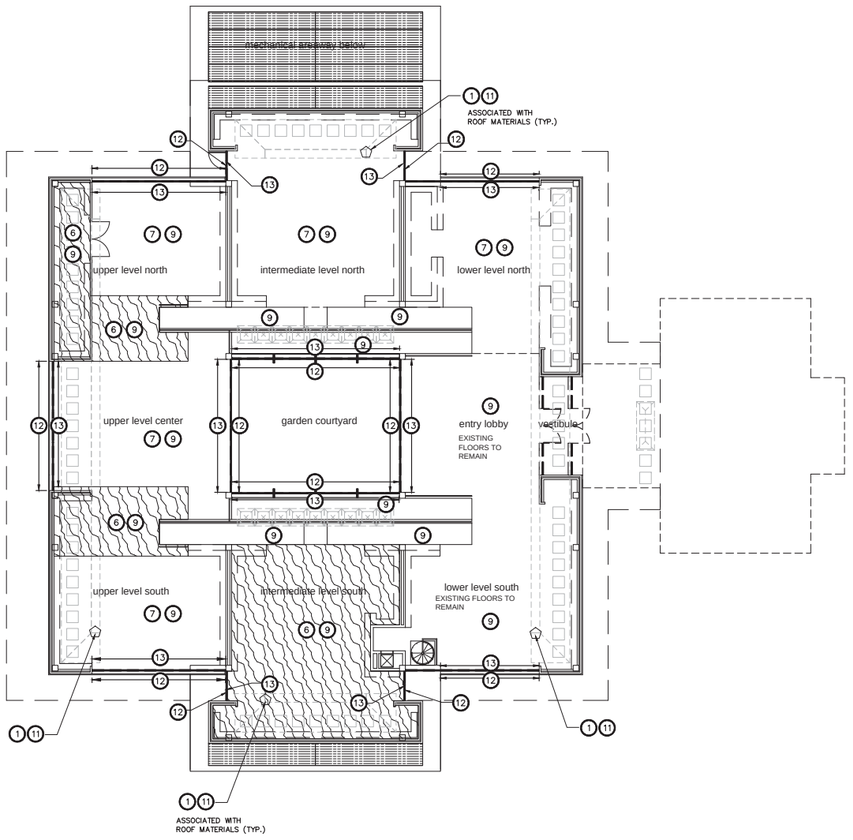
HM-01

Abatement Floor Plans



BASEMENT LEVEL

1/16" = 1'



UPPER, INTERMEDIATE & LOWER FIRST FLOOR LEVELS

1/16" = 1'

FLOORING AREAS	
FLOOR TYPE	AREA (SQ. FT.)
ASBESTOS FLOOR TILE	1170.4
CONCRETE FLOORS UNDER CARPET	4164.2
CONCRETE FLOORS NO CARPET	535.2
WOOD FLOORS	1596.1
BRICK FLOORS	173.4

LEGEND

- ASBESTOS / PCB CONTAINING FLOOR TILE AND ASSOCIATED MASTIC
- WOOD FLOOR AREA
- BRICK FLOOR AREA

HAZARDOUS MATERIAL ABATEMENT NOTES

1. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF CAULKING BETWEEN ROOF PANEL JOINTS AND COLUMNS/BEAMS AS ASSUMED PCB BULK PRODUCT WASTE > 50 PPM. CAULK JOINT AND TWO INCHES EITHER SIDE SHALL BE ENCAPSULATED.
2. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF 12 X 12 FLOOR TILE AND ASSOCIATED MASTIC ADHESIVE AS ACM. COORDINATE WORK WITH PCB REMEDIATION SECTION 02 84 34 FOR COMBINED WASTE DISPOSAL AS INTERIOR FLOORING MASTIC MATERIALS ALSO CONTAIN PCBS < 50 PPM.
3. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF INTERIOR 2 X 2 CEILING TILES WITH ASBESTOS CONTAINING GLUE DAUBS AS ACM. COORDINATE WORK WITH PCB REMEDIATION SECTION 02 84 34 FOR COMBINED WASTE DISPOSAL AS CEILING TILES AND GLUE DAUB MATERIALS ALSO CONTAIN PCBS < 50 PPM.
4. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF VINYL COVE BASE AND ASSOCIATED MASTIC ADHESIVE. MATERIALS SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
5. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL PAINT FROM EXISTING CEILINGS AND CONCRETE BEAMS ASSOCIATED WITH COFFERED CEILING SYSTEMS THROUGHOUT THE FACILITY. DISPOSE OF ALL WASTE AS PCB BULK PRODUCT WASTE > 50 PPM. CLEAN AND ENCAPSULATE CEILINGS AND BEAMS WITH EPOXY PRIMER AND FINISH COATS.
6. THE ABATEMENT CONTRACTOR SHALL STRIP ALL SEALANTS AND COATINGS FROM EXISTING PARQUET STYLE WOOD FLOORS USING MECHANICAL SANDERS EQUIPPED WITH HEPA SHROUDS TO REMOVE TO BARE WOOD. STRIPPING DEBRIS AND DUST SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
7. THE ABATEMENT CONTRACTOR SHALL STRIP ALL SEALANTS COATINGS AND MASTICS FROM EXISTING POROUS CONCRETE FLOOR SURFACES USING MECHANICAL SANDERS EQUIPPED WITH HEPA SHROUDS TO REMOVE TO SUBSTRATE. CARPETING COVERING EXISTING CONCRETE FLOORS SHALL BE REMOVED IN ITS ENTIRETY FOR DISPOSAL. ALL CARPETING, STRIPPING DEBRIS AND DUST SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
8. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING POROUS BRICK FLOOR SURFACES IN THEIR ENTIRETY INCLUDING MORTAR DUE TO PRESENCE OF SEALANT COATINGS. MATERIALS SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PM.
9. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED INTERIOR WALL AND COLUMNS (CONCRETE, CONCRETE BLOCK AND BRICK) WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
10. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING EXPOSED CONCRETE CEILINGS WITHIN MECHANICAL ROOM WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
11. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED CEILINGS AND BEAMS ASSOCIATED WITH ROOF MONITORS WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
12. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE ENCAPSULATION OF ALL EXISTING POROUS SURFACES ON THE EXTERIOR OF THE BUILDING WHERE PREVIOUS APPLICATIONS OF ENCAPSULANT HAVE BEEN UTILIZED. THIS INCLUDES CONCRETE AND GRANITE SILLS, HEADS AND COLUMNS ASSOCIATED WITH WINDOWS AND DOORS. EXISTING ACRYLIC PRODUCTS UTILIZED SHALL BE STRIPPED TO FACILITATE NEW PRODUCT. THE ABATEMENT CONTRACTOR SHALL INSTALL A TWO-PART EPOXY PRODUCT. A TOTAL OF TWO COATS ARE PROPOSED AS RECOMMENDED BY MANUFACTURER'S REQUIREMENTS.
13. THE ABATEMENT CONTRACTOR SHALL RE-ENCAPSULATE ALL INTERIOR SURFACES WHERE PREVIOUS ENCAPSULATION HAS BEEN APPLIED. EXISTING ACRYLIC PRODUCTS UTILIZED SUCH AS SIKAGARD 670 W CLEAR ACRYLIC SHALL BE RE-INSTALLED TO PROVIDE ADDITIONAL COVERAGE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1/16" = 1'
VERT.:
DATUM:
HORZ.:
VERT.:

FUSS & O'NEILL
EnviroScience, LLC
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

TOWN OF SUFFIELD

HAZARDOUS MATERIALS ABATEMENT
FLOOR PLANS

KENT MEMORIAL LIBRARY

50 NORTH MAIN STREET SUFFIELD, CONNECTICUT

PROJ. No.: 20151259A3E
DATE: MARCH 2018

HM-01

File Path: J:\DWG\P2015\12590A3E\Environmental\Plan\20151259A3E_STP03_haz mat floor plans.dwg Layout: 18X24-L Plotted: Mon, March 05, 2018 - 11:54 AM User: srochelt
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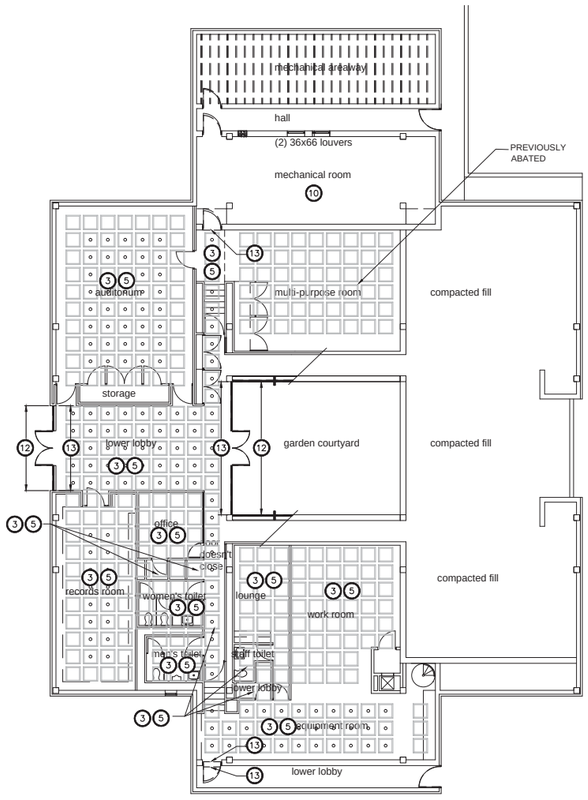
FUSS & O'NEILL
EnviroScience, LLC

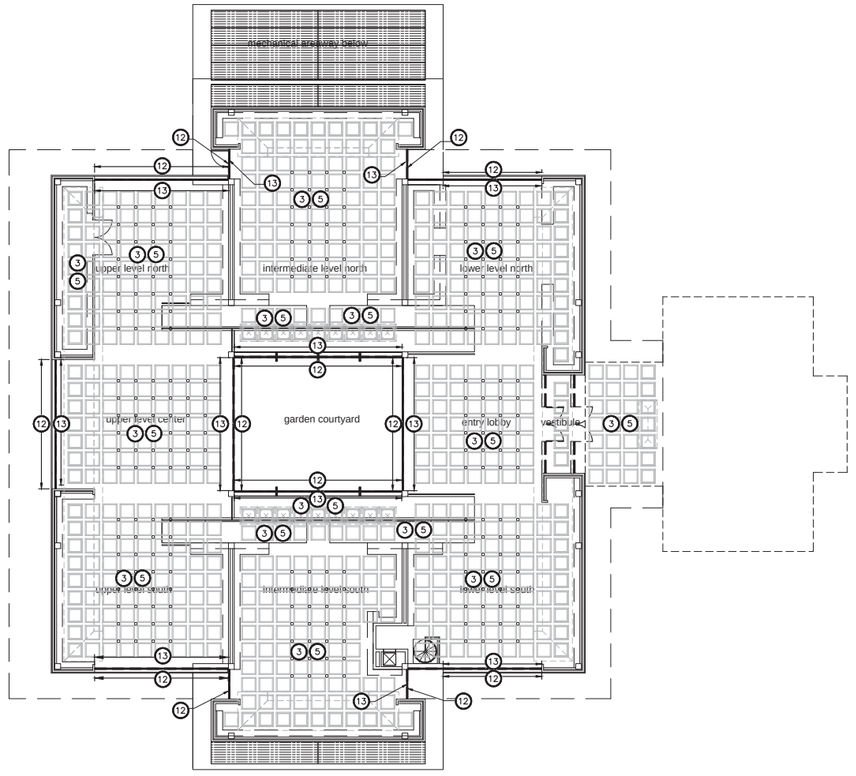
HM-02

Abatement Reflected Ceiling Plans



BASEMENT LEVEL REFLECTED CEILING PLAN

1/16" = 1'



UPPER, INTERMEDIATE & LOWER REFLECTED CEILING PLAN

1/16" = 1'

HAZARDOUS MATERIAL ABATEMENT NOTES

1. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF CAULKING BETWEEN ROOF PANEL JOINTS AND COLUMNS/BEAMS AS ASSUMED PCB BULK PRODUCT WASTE > 50 PPM. CAULK JOINT AND TWO INCHES EITHER SIDE SHALL BE ENCAPSULATED.
2. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF 12 X 12 FLOOR TILE AND ASSOCIATED MASTIC ADHESIVE AS ACM. COORDINATE WORK WITH PCB REMEDIATION SECTION 02 84 34 FOR COMBINED WASTE DISPOSAL AS INTERIOR FLOORING MASTIC MATERIALS ALSO CONTAIN PCBS < 50 PPM.
3. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF INTERIOR 2 X 2 CEILING TILES WITH ASBESTOS CONTAINING GLUE DAUBS AS ACM. COORDINATE WORK WITH PCB REMEDIATION SECTION 02 84 34 FOR COMBINED WASTE DISPOSAL AS CEILING TILES AND GLUE DAUB MATERIALS ALSO CONTAIN PCBS < 50 PPM.
4. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF VINYL COVE BASE AND ASSOCIATED MASTIC ADHESIVE. MATERIALS SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
5. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL PAINT FROM EXISTING CEILINGS AND CONCRETE BEAMS ASSOCIATED WITH COFFERED CEILING SYSTEMS THROUGHOUT THE FACILITY. DISPOSE OF ALL WASTE AS PCB BULK PRODUCT WASTE > 50 PPM. CLEAN AND ENCAPSULATE CEILINGS AND BEAMS WITH EPOXY PRIMER AND FINISH COATS.
6. THE ABATEMENT CONTRACTOR SHALL STRIP ALL SEALANTS AND COATINGS FROM EXISTING PARQUET STYLE WOOD FLOORS USING MECHANICAL SANDERS EQUIPPED WITH HEPA SHROUDS TO REMOVE TO BARE WOOD. STRIPPING DEBRIS AND DUST SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
7. THE ABATEMENT CONTRACTOR SHALL STRIP ALL SEALANTS COATINGS AND MASTICS FROM EXISTING POROUS CONCRETE FLOOR SURFACES USING MECHANICAL SANDERS EQUIPPED WITH HEPA SHROUDS TO REMOVE TO SUBSTRATE. CARPETING COVERING EXISTING CONCRETE FLOORS SHALL BE REMOVED IN ITS ENTIRETY FOR DISPOSAL. ALL CARPETING, STRIPPING DEBRIS AND DUST SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
8. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING POROUS BRICK FLOOR SURFACES IN THEIR ENTIRETY INCLUDING MORTAR DUE TO PRESENCE OF SEALANT COATINGS. MATERIALS SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PM.
9. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED INTERIOR WALL AND COLUMNS (CONCRETE, CONCRETE BLOCK AND BRICK) WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
10. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING EXPOSED CONCRETE CEILINGS WITHIN MECHANICAL ROOM WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
11. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED CEILINGS AND BEAMS ASSOCIATED WITH ROOF MONITORS WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
12. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE ENCAPSULATION OF ALL EXISTING POROUS SURFACES ON THE EXTERIOR OF THE BUILDING WHERE PREVIOUS APPLICATIONS OF ENCAPSULANT HAVE BEEN UTILIZED. THIS INCLUDES CONCRETE AND GRANITE SILLS, HEADS AND COLUMNS ASSOCIATED WITH WINDOWS AND DOORS. EXISTING ACRYLIC PRODUCTS UTILIZED SHALL BE STRIPPED TO FACILITATE NEW PRODUCT. THE ABATEMENT CONTRACTOR SHALL INSTALL A TWO-PART EPOXY PRODUCT. A TOTAL OF TWO COATS ARE PROPOSED AS RECOMMENDED BY MANUFACTURER'S REQUIREMENTS.
13. THE ABATEMENT CONTRACTOR SHALL RE-ENCAPSULATE ALL INTERIOR SURFACES WHERE PREVIOUS ENCAPSULATION HAS BEEN APPLIED. EXISTING ACRYLIC PRODUCTS UTILIZED SUCH AS SIKAGARD 670 W CLEAR ACRYLIC SHALL BE RE-INSTALLED TO PROVIDE ADDITIONAL COVERAGE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE: HORZ.: 1/16" = 1' VERT.:
DATUM: HORZ.: VERT.:

FUSS & O'NEILL EnviroScience, LLC
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

TOWN OF SUFFIELD

HAZARDOUS MATERIALS ABATEMENT
REFLECTED CEILING PLANS

KENT MEMORIAL LIBRARY

50 NORTH MAIN STREET SUFFIELD, CONNECTICUT

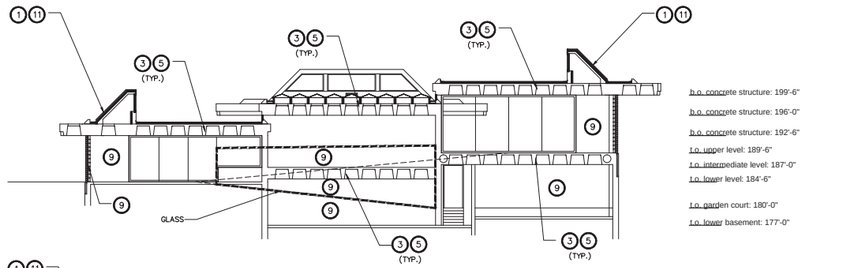
PROJ. No.: 20151259A3E
DATE: MARCH 2018

HM-02

FUSS & O'NEILL
EnviroScience, LLC

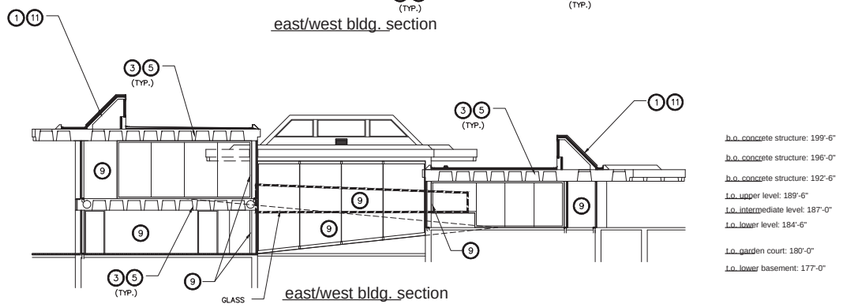
HM-03

Abatement Building Sections



b.o. concrete structure: 199'-6"
b.o. concrete structure: 196'-0"
b.o. concrete structure: 192'-6"
t.o. upper level: 189'-6"
t.o. intermediate level: 187'-0"
t.o. lower level: 184'-6"
t.o. garden court: 180'-0"
t.o. lower basement: 177'-0"

east/west bldg. section



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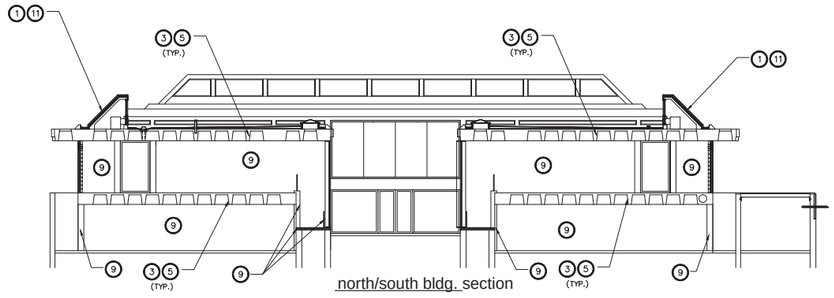
t.o. lower basement: 177'-0"

east/west bldg. section



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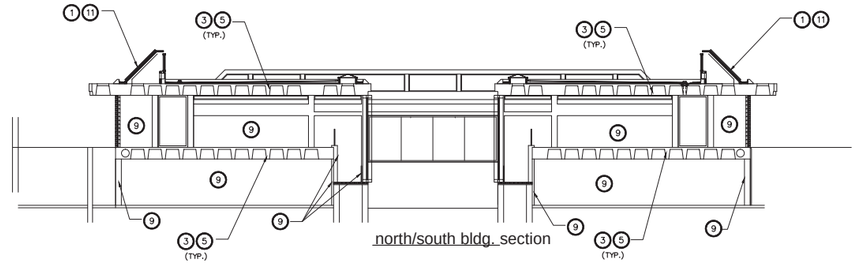
t.o. lower level: 184'-6"
t.o. garden court: 180'-0"
t.o. lower basement: 177'-0"

north/south bldg. section



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t.o. lower level: 184'-6"
t.o. garden court: 180'-0"
t.o. lower basement: 177'-0"

north/south bldg. section

HAZARDOUS MATERIAL ABATEMENT NOTES

1. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF CAULKING BETWEEN ROOF PANEL JOINTS AND COLUMNS/BEAMS AS ASSUMED PCB BULK PRODUCT WASTE > 50 PPM. CAULK JOINT AND TWO INCHES EITHER SIDE SHALL BE ENCAPSULATED.
2. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF 12 X 12 FLOOR TILE AND ASSOCIATED MASTIC ADHESIVE AS ACM. COORDINATE WORK WITH PCB REMEDIATION SECTION 02 84 34 FOR COMBINED WASTE DISPOSAL AS INTERIOR FLOORING MASTIC MATERIALS ALSO CONTAIN PCBS < 50 PPM.
3. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF INTERIOR 2 X 2 CEILING TILES WITH ASBESTOS CONTAINING GLUE DAUBS AS ACM. COORDINATE WORK WITH PCB REMEDIATION SECTION 02 84 34 FOR COMBINED WASTE DISPOSAL AS CEILING TILES AND GLUE DAUB MATERIALS ALSO CONTAIN PCBS < 50 PPM.
4. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF VINYL COVE BASE AND ASSOCIATED MASTIC ADHESIVE. MATERIALS SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
5. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL PAINT FROM EXISTING CEILINGS AND CONCRETE BEAMS ASSOCIATED WITH COFFERED CEILING SYSTEMS THROUGHOUT THE FACILITY. DISPOSE OF ALL WASTE AS PCB BULK PRODUCT WASTE > 50 PPM. CLEAN AND ENCAPSULATE CEILINGS AND BEAMS WITH EPOXY PRIMER AND FINISH COATS.
6. THE ABATEMENT CONTRACTOR SHALL STRIP ALL SEALANTS AND COATINGS FROM EXISTING PARQUET STYLE WOOD FLOORS USING MECHANICAL SANDERS EQUIPPED WITH HEPA SHROUDS TO REMOVE TO BARE WOOD. STRIPPING DEBRIS AND DUST SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
7. THE ABATEMENT CONTRACTOR SHALL STRIP ALL SEALANTS COATINGS AND MASTICS FROM EXISTING POROUS CONCRETE FLOOR SURFACES USING MECHANICAL SANDERS EQUIPPED WITH HEPA SHROUDS TO REMOVE TO SUBSTRATE. CARPETING COVERING EXISTING CONCRETE FLOORS SHALL BE REMOVED IN ITS ENTIRETY FOR DISPOSAL. ALL CARPETING, STRIPPING DEBRIS AND DUST SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
8. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF DUE TO PRESENCE OF SEALANT COATINGS. MATERIALS SHALL BE DISPOSED OF AS PCB CONTAINING WASTE< 50 PPM.
9. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED INTERIOR WALL AND COLUMNS (CONCRETE, CONCRETE BLOCK AND BRICK) WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
10. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING EXPOSED CONCRETE CEILINGS WITHIN MECHANICAL ROOM WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.
11. THE ABATEMENT CONTRACTOR SHALL CONDUCT SURFACE PREPARATION AND ENCAPSULATION OF ALL EXISTING PAINTED CEILINGS AND BEAMS ASSOCIATED WITH ROOF MONITORS WITH AN EPOXY PRIMER SEALER AND EPOXY FINISH COATING.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1/16" = 1'
VERT.:
DATUM:
HORZ.:
VERT.:

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TOWN OF SUFFIELD
HAZARDOUS MATERIALS ABATMENT
BUILDING SECTIONS
KENT MEMORIAL LIBRARY
50 NORTH MAIN STREET
SUFFIELD, CONNECTICUT

PROJ. No.: 20151259A3E
DATE: JANUARY 2018

HM-03

FUSS & O'NEILL
EnviroScience, LLC

Appendix A

Summary of Meeting with EPA and CTDEEP on April 12, 2017

FUSS & O'NEILL

MEMORANDUM

TO: Ms. Kimberly Tisa – EPA Region 1 PCB Coordinator
Mr. Gary Trombly – DEEP Storage Tank and PCB Enforcement Unit

FROM: Robert L. May Jr.

DATE: April 12, 2017

RE: Kent Memorial Library – PCBs in Building Materials
50 North Main Street, Suffield, CT
EnviroScience No. 20151259.A2E

A meeting was held on site to review current conditions and discuss steps and proposed remediation methods to address polychlorinated biphenyls (PCBs) discovered at the Kent Memorial Library subsequent to caulk abatement work. Fuss & O'Neill EnviroScience, LLC (Fuss & O'Neill) has been retained by the Town of Suffield to conduct third party consulting services related to PCBs at the Kent Memorial Library.

MEETING ATTENDEES:

Mrs. Kimberly Tisa, EPA Region 1 PCB Coordinator
Mr. Gary Trombly , CTDEEP
Julie Oakes, Town of Suffield, DPW
John Cloonan, Town of Suffield, DPW
Joe Sangiovanni, Permanent Building Commission (PBC) Committee Chairman
Kevin Goff - PBC Member
Edward Flanders – Town of Suffield, Building Official
Robert May, Fuss & O'Neill EnviroScience, LLC

ITEMS DISCUSSED:

1.0 Background Discussion:

- Introductions were made to identify parties present.
- Fuss & O'Neill presented a brief overview which was in addition to submission of a memorandum and data provided on March 24, 2017regardin g the on-going efforts made by the Town of Suffield and their consultants TRC and Fuss & O'Neill.
- EPA and CTDEEP commented a lot of data was provided and that a single figure depicting all testing would be helpful in the future. It was explained that the data was from multiple consultants so that exercise had not been done, but would be useful.
- It was discussed that the indoor air sampling required by the approved plan was performed in December 2015 and March of 2016 by TRC. Noted also that the December sampling by TRC was prior to the air systems being run or balanced after renovations. The results of both sets of

indoor airs showed concentrations exceeding project specific action level of 200 nanograms per cubic meter (ng/m3).

- The elevated indoor air prompted a preliminary investigation and sampling of multiple building materials for the presence of PCBs. This included paints and sealants on concrete ceilings, glue daubs, ceiling tiles, flooring mastics, baseboard adhesives, coating on wood parquet floors and some additional interior surface dust sampling. Varying results including mostly CTDEEP regulated materials above 1 ppm but some having values in paint exceeding EPA standard of 50 ppm.
- Discussion about the building HVAC system and distribution was discussed. It was identified to the agencies that the predominant system in the building consists of two HVAC units in the lower level mechanical room. Each has a single fresh air intake. It was discussed that the air supply ducts are located beneath the slab making detailed inspection of outside of the ducts impossible without substantial destructive work. It was identified that there is a notation on construction drawings of an exterior coating on the ducts which has not been verified or tested.
- It was also discussed that the HVAC system has two centralized points for intake of return air which is mixed with fresh air. It was discussed that the building is an open environment making it difficult to isolate specific areas of the building from one another.
- It was identified that the duct systems had been cleaned and balanced, including use of robotic cameras during the renovation. EPA noted some historical uses of insulations in ducts had been observed in their experience. It was identified that there was no evidence of any interior insulation or coating on the ducts.

2.0 Pilot Project Discussion:

- Fuss & O'Neill identified that a pilot project had been conducted to isolate building materials using polyethylene sheeting to conduct indoor air testing for PCBs. The intent of which was to confirm likely areas contributing to elevated concentrations of PCBs in air.
- Prior to conducting the isolation work it was noted that the HVAC system was balanced (taking several months) delaying the pilot project, and that pre-abatement air samples were conducted as a baseline prior to conducting the pilot work for comparison purposes.
- Fuss & O'Neill discussed that all surfaces of floor, walls and ceilings were independently isolated, but that the air supply to the room was not sealed so the PCB concentrations of supply alone could be measured.
- Fuss & O'Neill presented the findings were the air supply was less than the baseline results. It was expected that it would not be zero since other room return air is being mixed with the fresh air. Fuss & O'Neill also confirmed with air testing the fresh air intake was very low as measured inside the duct system prior to mixing.
- Fuss & O'Neill identified the pilot indoor air sample results showed that the ceiling surfaces were likely highest contributors to indoor air, with the walls being a second likely source.
- It was presented that after the indoor air sampling several test methods were conducted and included sand blasting of painted surfaces from ceilings using different media, mechanical removal of paint from ceilings, and encapsulation of ceilings and walls with multiple products.

3.0 Meeting Intentions:

- Fuss & O'Neill identified that was the intention of the meeting to present the efforts by the Town of Suffield and seeking to identify an approach with least cost impacts and meet PCB indoor air goals set for the project. Part of that discussion was noted that a request to consider encapsulation approach in lieu of full paint removal using abrasive techniques was being requested.
- Both EPA and CTDEEP identified that the confirmation of PCBs in building products above their regulatory thresholds limited their ability to allow for materials to remain even if encapsulated as a long term solution. It was noted that the regulations do not have specific allowance for such and that both agencies "hands are tied" as a result.
- Discussion was held on the potential consideration of the paint and/or sealants as a "secondary source" as remedial waste and therefore allowing for consideration of encapsulation. Fuss & O'Neill identified that part of the request for consideration is that in the mechanical rooms, the ceilings are unpainted and appear to have no coatings or sealants visible. Results taken in those areas showed PCBs exceeding 1 ppm in concrete.
- EPA and CTDEEP identified that based on the extent of the painted surfaces and the long term requirements of indoor air, dust etc, that they did not recommend that type of approach be considered. Both agencies identified that the long term ability for encapsulants to maintain indoor air at acceptable concentrations is still unproven.
- It was discussed that the previous PCB work involving caulk removal already included the use of encapsulants on surfaces and that long term O&M and testing for both indoor air and wipe sample for PCBs was required.
- Discussion on the significance of cost impacts to facilitate removal of all paint by abrasive means would require a lot of protections and removal of items such as shelving, mechanical systems etc within the building which was just renovated.
- EPA and CTDEEP identified they were not unsympathetic to that aspect, but were seeking to help the Town of Suffield consider the long term implications and that though upfront costs maybe higher to remove the coatings, it would likely prove to have the best long term result.
- A PBC member asked about monies available from the agencies to help with costs of such. Both agencies identified no monies available for such. Possible "Brownfield" monies could be sought. Fuss & O'Neill identified that in their experience most of that money is for up front assessment costs, but that some has been used for remediation as well. CTDEEP identified currently no federal monies available in CT for such.

4.0 Site Walkthrough:

- A site tour was conducted beginning in lower level mechanical room. Specific site observances included the following:
    - Agencies were shown return air intakes at lower level.
    - Agencies were shown mechanical room and extent of equipment.

- Agencies were shown the lack of visible coating on the ceilings in the mechanical room where concrete has results of >1 ppm for PCBs.
- Multi-purpose room pilot area was shown, identifying the means to isolate the surfaces in the room.
- Areas of test abrasive blasting were viewed as well as areas of encapsulation. It was noted to EPA and CTDEEP the encapsulant test patches were to determine adhesion.
- The auditorium was viewed where it is believed the painted ceilings are original. Also discussion about the flooring in the space having carpet with adhesives containing PCBs.
- Dumb waiter area was viewed where staining was noted and tests identified PCBs >1 ppm. CTDEEP indicated this area would need to be addressed.
- Upper level test blasting locations were also viewed identifying that multiple media types were used and why variation on the extent of removal of paint was visible.
- Fuss & O'Neill identified that in blast areas with total removal of all paint, cores were taken which demonstrated results <1 ppm to none detected (ND).
- An area where mechanical removal was conducted was also observed. There were visible amounts remaining in pores etc, but 95% of paint was removed. It was noted that the cost estimates for this type of removal versus abrasive blasting were less than 1/3 the cost.
- Question was asked by PBC member if the use of the building changed, would the same standards apply? EPA identified that a change in use would depend but potentially, especially for indoor air, could be more stringent if for children or for office type use where people spend more time in the building than in a library environment.
- Intermediate level with wood parquet flooring was observed. CTDEEP and EPA suggested stripping the coating would be a first approach and a pilot should be considered and then testing wood substrate to determine PCB content for potentially leaving wood in place.

5.0 Summary Discussion:

- EPA and CTDEEP noted that a lot of work had been done and thanked the team for inviting them to the site to solicit their input.
- Both agencies concurred that it appeared that the use of mechanical removal combined with an epoxy encapsulant over the small amount remaining in pores would be an approach for consideration and likely result in a good long term solution.
- EPA did suggest that since the testing of concrete after the abrasive blasting were below standard that the Town of Suffield may look to that to be done with the work and not need to look at long term O&M and sampling specific to the ceilings and walls.
- Discussion regarding walls where paint has not been tested for PCBs was held. EPA cautioned that not testing is not always the right approach, however agreed that it would allow for the Town of Suffield to consider other options than complete removal since the paint concentrations are unknown.

- Fuss & O'Neill requested confirmation that the correct approach based on the EPA site visit would be to still seek a plan modification for the work (as previously discussed with EPA by phone). EPA confirmed still the correct approach although based on the amounts of materials and work to be done the data required would be essentially that required for a new submission.
- EPA indicated that the Town of Suffield should complete a final report for the previous work conducted by TRC. The Town identified it was seeking the data from the efforts and would determine if they will have TRC prepare a report or to request Fuss & O'Neill to prepare. EPA cautioned that though not impossible as the work was straight forward, Fuss & O'Neill was not on site or involved so may be difficult for them to prepare.

6.0 Next Steps Discussion:

- Fuss & O'Neill identified that a next step would be to work with the Town of Suffield to conduct another pilot test to conduct the proposed methods in a location to attempt and demonstrate the air concentrations will be reduced. Methods will likely involve mechanical removal of the paint from ceilings and encapsulation of the ceiling and walls.
- It was confirmed that all materials testing above 1 ppm would be remediated and likely removed such as flooring mastics, baseboard and adhesives, glue daubs and ceiling tiles, hydraulic oil at dumb waiter etc. This is required as concentrations exceed regulatory thresholds for CTDEEP.
- Fuss & O'Neill also indicated as suggested by CTDEEP, that some test patches be conducted for sealant on wood parquet floor to remove sealants and test wood below. This would be to demonstrate if stripping coating alone would be sufficient to remove the source of PCBs.
- Once complete a modification would be prepared by Fuss & O'Neill for EPA and CTDEEP review. The modification will include methods and a summary of the cost considerations used in the decision making process due to their significant differences as suggested by EPA.
- Town of Suffield will determine who will prepare and submit report for the prior work to send to the agencies.

The meeting items were prepared by Robert May based on his understanding of the events as they took place the morning of April 5, 2017.

FUSS & O'NEILL
EnviroScience, LLC

Appendix B

Indoor Air Sampling Laboratory Results for PCBs, December 2015 - TRC

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

January 11, 2016

Henry LaLiberte
TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: Kent Library, Suffield CT
Client Job Number:
Project Number: 223120
Laboratory Work Order Number: 15L1461

Enclosed are results of analyses for samples received by the laboratory on December 31, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

Table of Contents

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Henry LaLiberte

REPORT DATE: 1/11/2016

PURCHASE ORDER NUMBER: 20605

PROJECT NUMBER: 223120

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15L1461

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Library, Suffield CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
#1	15L1461-01	Indoor air	upper level south	TO-10A/EPA 680 Modified	
#2	15L1461-02	Indoor air	upper level north	TO-10A/EPA 680 Modified	
#3	15L1461-03	Indoor air	intermediate level north	TO-10A/EPA 680 Modified	
#4	15L1461-04	Indoor air	intermediate level north (duplicate)	TO-10A/EPA 680 Modified	
#5	15L1461-05	Indoor air	lower level north	TO-10A/EPA 680 Modified	
#6	15L1461-06	Indoor air	lower level south	TO-10A/EPA 680 Modified	
#7	15L1461-07	Indoor air	intermediate level south	TO-10A/EPA 680 Modified	
#8	15L1461-08	Indoor air	lower bsmt btwn work and equip room	TO-10A/EPA 680 Modified	
#9	15L1461-09	Indoor air	basement office	TO-10A/EPA 680 Modified	
#10	15L1461-10	Indoor air	basement records room	TO-10A/EPA 680 Modified	
#11	15L1461-11	Indoor air	basement lower lobby	TO-10A/EPA 680 Modified	
#12	15L1461-12	Indoor air	basement lower lobby (duplicate)	TO-10A/EPA 680 Modified	
#13	15L1461-13	Indoor air	lower basement auditorium	TO-10A/EPA 680 Modified	
#14	15L1461-14	Indoor air	lower basement multipurpose room	TO-10A/EPA 680 Modified	
#15	15L1461-15	[blank]	blank	TO-10A/EPA 680 Modified	

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

TO-10A/EPA 680 Modified

Qualifications:

S-20

Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene
15L1461-05[#5]

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Dichlorobiphenyls
B139101-BS1, B139101-BSD1

Heptachlorobiphenyls
B139101-BS1, B139101-BSD1

Monochlorobiphenyls
B139101-BS1, B139101-BSD1

Tetrachlorobiphenyls
15L1461-01[#1], B139101-BS1, B139101-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Dichlorobiphenyls
15L1461-01[#1], B139101-BLK1

Heptachlorobiphenyls
15L1461-01[#1], B139101-BLK1

Monochlorobiphenyls
15L1461-01[#1], 15L1461-02[#2], 15L1461-03[#3], 15L1461-04[#4], 15L1461-05[#5], 15L1461-06[#6], 15L1461-07[#7], 15L1461-08[#8], 15L1461-09[#9], 15L1461-10[#10], 15L1461-11[#11], 15L1461-12[#12], 15L1461-13[#13], 15L1461-14[#14], 15L1461-15[#15], B139101-BLK1

Tetrachlorobiphenyls
B139101-BLK1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #1
Sample ID: 15L1461-01
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:54

Sample Description/Location: upper level south
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 15L1461

TO-10A/EPA 680 Modified

	Total µg			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/8/16 20:55	CJM
Dichlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/8/16 20:55	CJM
Trichlorobiphenyls	0.0035	0.0010		0.0029	0.00083	1	1/8/16 20:55	CJM
Tetrachlorobiphenyls	0.10	0.0020	V-06	0.086	0.0017	1	1/8/16 20:55	CJM
Pentachlorobiphenyls	0.14	0.0020		0.12	0.0017	1	1/8/16 20:55	CJM
Hexachlorobiphenyls	0.018	0.0020		0.015	0.0017	1	1/8/16 20:55	CJM
Heptachlorobiphenyls	ND	0.0030	V-20	ND	0.0025	1	1/8/16 20:55	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/8/16 20:55	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	1/8/16 20:55	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	1/8/16 20:55	CJM
Total Polychlorinated biphenyls	0.27			0.22		1	1/8/16 20:55	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	82.2	50-125	1/8/16 20:55

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #2
Sample ID: 15L1461-02
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:54

Sample Description/Location: upper level north
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/8/16 23:08	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/8/16 23:08	CJM
Trichlorobiphenyls	0.0029	0.0010		0.0024	0.00083	1	1/8/16 23:08	CJM
Tetrachlorobiphenyls	0.093	0.0020		0.077	0.0017	1	1/8/16 23:08	CJM
Pentachlorobiphenyls	0.13	0.0020		0.11	0.0017	1	1/8/16 23:08	CJM
Hexachlorobiphenyls	0.015	0.0020		0.012	0.0017	1	1/8/16 23:08	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/8/16 23:08	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/8/16 23:08	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/8/16 23:08	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/8/16 23:08	CJM
Total Polychlorinated biphenyls	0.24			0.20		1	1/8/16 23:08	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	80.2	50-125	1/8/16 23:08

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #3
Sample ID: 15L1461-03
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:54

Sample Description/Location: intermediate level north
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/8/16 23:41	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/8/16 23:41	CJM
Trichlorobiphenyls	0.0030	0.0010		0.0025	0.00083	1	1/8/16 23:41	CJM
Tetrachlorobiphenyls	0.089	0.0020		0.073	0.0017	1	1/8/16 23:41	CJM
Pentachlorobiphenyls	0.11	0.0020		0.088	0.0017	1	1/8/16 23:41	CJM
Hexachlorobiphenyls	0.0095	0.0020		0.0079	0.0017	1	1/8/16 23:41	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/8/16 23:41	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/8/16 23:41	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/8/16 23:41	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/8/16 23:41	CJM
Total Polychlorinated biphenyls	0.21			0.17		1	1/8/16 23:41	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	79.5	50-125	1/8/16 23:41

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #4
Sample ID: 15L1461-04
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:54

Sample Description/Location: intermediate level north (duplicate)
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/9/16 0:14	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/9/16 0:14	CJM
Trichlorobiphenyls	0.0042	0.0010		0.0034	0.00083	1	1/9/16 0:14	CJM
Tetrachlorobiphenyls	0.099	0.0020		0.082	0.0017	1	1/9/16 0:14	CJM
Pentachlorobiphenyls	0.12	0.0020		0.098	0.0017	1	1/9/16 0:14	CJM
Hexachlorobiphenyls	0.013	0.0020		0.010	0.0017	1	1/9/16 0:14	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 0:14	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 0:14	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/9/16 0:14	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/9/16 0:14	CJM
Total Polychlorinated biphenyls	0.23			0.19		1	1/9/16 0:14	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	89.3	50-125	1/9/16 0:14

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #5
Sample ID: 15L1461-05
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:55

Sample Description/Location: lower level north
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/9/16 0:47	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/9/16 0:47	CJM
Trichlorobiphenyls	0.0013	0.0010		0.0011	0.00083	1	1/9/16 0:47	CJM
Tetrachlorobiphenyls	0.056	0.0020		0.046	0.0017	1	1/9/16 0:47	CJM
Pentachlorobiphenyls	0.075	0.0020		0.062	0.0017	1	1/9/16 0:47	CJM
Hexachlorobiphenyls	0.0081	0.0020		0.0067	0.0017	1	1/9/16 0:47	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 0:47	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 0:47	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/9/16 0:47	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/9/16 0:47	CJM
Total Polychlorinated biphenyls	0.14			0.12		1	1/9/16 0:47	CJM

Surrogates	% Recovery		% REC Limits		
Tetrachloro-m-xylene	42.7*	S-20	50-125		1/9/16 0:47

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #6
Sample ID: 15L1461-06
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:55

Sample Description/Location: lower level south
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/9/16 1:20	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/9/16 1:20	CJM
Trichlorobiphenyls	0.0022	0.0010		0.0018	0.00083	1	1/9/16 1:20	CJM
Tetrachlorobiphenyls	0.091	0.0020		0.075	0.0017	1	1/9/16 1:20	CJM
Pentachlorobiphenyls	0.12	0.0020		0.097	0.0017	1	1/9/16 1:20	CJM
Hexachlorobiphenyls	0.013	0.0020		0.011	0.0017	1	1/9/16 1:20	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 1:20	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 1:20	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/9/16 1:20	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/9/16 1:20	CJM
Total Polychlorinated biphenyls	0.22			0.18		1	1/9/16 1:20	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	72.3	50-125	1/9/16 1:20

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #7
Sample ID: 15L1461-07
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:56

Sample Description/Location: intermediate level south
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/9/16 1:53	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/9/16 1:53	CJM
Trichlorobiphenyls	0.0038	0.0010		0.0031	0.00083	1	1/9/16 1:53	CJM
Tetrachlorobiphenyls	0.085	0.0020		0.071	0.0017	1	1/9/16 1:53	CJM
Pentachlorobiphenyls	0.10	0.0020		0.085	0.0017	1	1/9/16 1:53	CJM
Hexachlorobiphenyls	0.011	0.0020		0.0088	0.0017	1	1/9/16 1:53	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 1:53	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 1:53	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/9/16 1:53	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/9/16 1:53	CJM
Total Polychlorinated biphenyls	0.20			0.17		1	1/9/16 1:53	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	84.1	50-125	1/9/16 1:53

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #8
Sample ID: 15L1461-08
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:58

Sample Description/Location: lower bsmt btwn work and equip room
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1235

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00081	1	1/9/16 2:27	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00081	1	1/9/16 2:27	CJM
Trichlorobiphenyls	0.0025	0.0010		0.002	0.00081	1	1/9/16 2:27	CJM
Tetrachlorobiphenyls	0.068	0.0020		0.055	0.0016	1	1/9/16 2:27	CJM
Pentachlorobiphenyls	0.087	0.0020		0.070	0.0016	1	1/9/16 2:27	CJM
Hexachlorobiphenyls	0.0090	0.0020		0.0073	0.0016	1	1/9/16 2:27	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 2:27	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 2:27	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 2:27	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 2:27	CJM
Total Polychlorinated biphenyls	0.17			0.13		1	1/9/16 2:27	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	74.7	50-125	1/9/16 2:27

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #9
Sample ID: 15L1461-09
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:58

Sample Description/Location: basement office
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1235

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00081	1	1/9/16 3:00	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00081	1	1/9/16 3:00	CJM
Trichlorobiphenyls	0.0031	0.0010		0.0025	0.00081	1	1/9/16 3:00	CJM
Tetrachlorobiphenyls	0.087	0.0020		0.070	0.0016	1	1/9/16 3:00	CJM
Pentachlorobiphenyls	0.12	0.0020		0.096	0.0016	1	1/9/16 3:00	CJM
Hexachlorobiphenyls	0.016	0.0020		0.013	0.0016	1	1/9/16 3:00	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 3:00	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 3:00	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 3:00	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 3:00	CJM
Total Polychlorinated biphenyls	0.22			0.18		1	1/9/16 3:00	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.8	50-125	1/9/16 3:00

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #10
Sample ID: 15L1461-10
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:59

Sample Description/Location: basement records room
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1245

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	1/9/16 3:33	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 3:33	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 3:33	CJM
Tetrachlorobiphenyls	0.061	0.0020		0.049	0.0016	1	1/9/16 3:33	CJM
Pentachlorobiphenyls	0.080	0.0020		0.064	0.0016	1	1/9/16 3:33	CJM
Hexachlorobiphenyls	0.012	0.0020		0.0098	0.0016	1	1/9/16 3:33	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 3:33	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 3:33	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 3:33	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 3:33	CJM
Total Polychlorinated biphenyls	0.15			0.12		1	1/9/16 3:33	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	81.1	50-125	1/9/16 3:33

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #11
Sample ID: 15L1461-11
Sample Matrix: Indoor air
Sampled: 12/31/2015 14:00

Sample Description/Location: basement lower lobby
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1250

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	1/9/16 4:06	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 4:06	CJM
Trichlorobiphenyls	0.0045	0.0010		0.0036	0.0008	1	1/9/16 4:06	CJM
Tetrachlorobiphenyls	0.12	0.0020		0.097	0.0016	1	1/9/16 4:06	CJM
Pentachlorobiphenyls	0.17	0.0020		0.13	0.0016	1	1/9/16 4:06	CJM
Hexachlorobiphenyls	0.020	0.0020		0.016	0.0016	1	1/9/16 4:06	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 4:06	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 4:06	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 4:06	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 4:06	CJM
Total Polychlorinated biphenyls	0.31			0.25		1	1/9/16 4:06	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	95.6	50-125	1/9/16 4:06

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #12
Sample ID: 15L1461-12
Sample Matrix: Indoor air
Sampled: 12/31/2015 14:00

Sample Description/Location: basement lower lobby (duplicate)
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1250

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	1/9/16 4:39	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 4:39	CJM
Trichlorobiphenyls	0.0032	0.0010		0.0025	0.0008	1	1/9/16 4:39	CJM
Tetrachlorobiphenyls	0.11	0.0020		0.091	0.0016	1	1/9/16 4:39	CJM
Pentachlorobiphenyls	0.15	0.0020		0.12	0.0016	1	1/9/16 4:39	CJM
Hexachlorobiphenyls	0.018	0.0020		0.014	0.0016	1	1/9/16 4:39	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 4:39	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 4:39	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 4:39	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 4:39	CJM
Total Polychlorinated biphenyls	0.29			0.23		1	1/9/16 4:39	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	79.8	50-125	1/9/16 4:39

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #13
Sample ID: 15L1461-13
Sample Matrix: Indoor air
Sampled: 12/31/2015 14:01

Sample Description/Location: lower basement auditorium
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1255

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	1/9/16 5:12	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 5:12	CJM
Trichlorobiphenyls	0.0034	0.0010		0.0027	0.0008	1	1/9/16 5:12	CJM
Tetrachlorobiphenyls	0.11	0.0020		0.084	0.0016	1	1/9/16 5:12	CJM
Pentachlorobiphenyls	0.15	0.0020		0.12	0.0016	1	1/9/16 5:12	CJM
Hexachlorobiphenyls	0.017	0.0020		0.014	0.0016	1	1/9/16 5:12	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 5:12	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 5:12	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 5:12	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 5:12	CJM
Total Polychlorinated biphenyls	0.27			0.22		1	1/9/16 5:12	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.8	50-125	1/9/16 5:12

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #14
Sample ID: 15L1461-14
Sample Matrix: Indoor air
Sampled: 12/31/2015 14:01

Sample Description/Location: lower basement multipurpose room
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1255

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	1/9/16 7:25	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 7:25	CJM
Trichlorobiphenyls	0.0022	0.0010		0.0017	0.0008	1	1/9/16 7:25	CJM
Tetrachlorobiphenyls	0.093	0.0020		0.074	0.0016	1	1/9/16 7:25	CJM
Pentachlorobiphenyls	0.12	0.0020		0.095	0.0016	1	1/9/16 7:25	CJM
Hexachlorobiphenyls	0.013	0.0020		0.011	0.0016	1	1/9/16 7:25	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 7:25	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 7:25	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 7:25	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 7:25	CJM
Total Polychlorinated biphenyls	0.23			0.18		1	1/9/16 7:25	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	80.7	50-125	1/9/16 7:25

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #15
Sample ID: 15L1461-15
Sample Matrix: [blank]
Sampled: 12/31/2015 00:00

Sample Description/Location: blank
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	1	1/9/16 7:59	CJM
Dichlorobiphenyls	ND	0.0010		1	1/9/16 7:59	CJM
Trichlorobiphenyls	ND	0.0010		1	1/9/16 7:59	CJM
Tetrachlorobiphenyls	ND	0.0020		1	1/9/16 7:59	CJM
Pentachlorobiphenyls	ND	0.0020		1	1/9/16 7:59	CJM
Hexachlorobiphenyls	ND	0.0020		1	1/9/16 7:59	CJM
Heptachlorobiphenyls	ND	0.0030		1	1/9/16 7:59	CJM
Octachlorobiphenyls	ND	0.0030		1	1/9/16 7:59	CJM
Nonachlorobiphenyls	ND	0.0050		1	1/9/16 7:59	CJM
Decachlorobiphenyl	ND	0.0050		1	1/9/16 7:59	CJM
Total Polychlorinated biphenyls	0.0			1	1/9/16 7:59	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	89.8	50-125	1/9/16 7:59

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Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
15L1461-01 [#1]	B139101	1.00	1.00	01/06/16
15L1461-02 [#2]	B139101	1.00	1.00	01/06/16
15L1461-03 [#3]	B139101	1.00	1.00	01/06/16
15L1461-04 [#4]	B139101	1.00	1.00	01/06/16
15L1461-05 [#5]	B139101	1.00	1.00	01/06/16
15L1461-06 [#6]	B139101	1.00	1.00	01/06/16
15L1461-07 [#7]	B139101	1.00	1.00	01/06/16
15L1461-08 [#8]	B139101	1.00	1.00	01/06/16
15L1461-09 [#9]	B139101	1.00	1.00	01/06/16
15L1461-10 [#10]	B139101	1.00	1.00	01/06/16
15L1461-11 [#11]	B139101	1.00	1.00	01/06/16
15L1461-12 [#12]	B139101	1.00	1.00	01/06/16
15L1461-13 [#13]	B139101	1.00	1.00	01/06/16
15L1461-14 [#14]	B139101	1.00	1.00	01/06/16
15L1461-15 [#15]	B139101	1.00	1.00	01/06/16

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B139101 - SW-846 3540C											
Blank (B139101-BLK1)					Prepared: 01/06/16 Analyzed: 01/08/16						
Monochlorobiphenyls	ND	0.0010									V-20
Dichlorobiphenyls	ND	0.0010									V-20
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									V-20
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									V-20
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.165*				*0.200*		*82.5*	*50-125*			
LCS (B139101-BS1)					Prepared: 01/06/16 Analyzed: 01/08/16						
Monochlorobiphenyls	0.34	0.0010			0.400		86.1	40-140			V-06
Dichlorobiphenyls	0.30	0.0010			0.400		74.8	40-140			V-06
Trichlorobiphenyls	0.29	0.0010			0.400		73.3	40-140			
Tetrachlorobiphenyls	0.64	0.0020			0.800		80.3	40-140			V-06
Pentachlorobiphenyls	0.70	0.0020			0.800		88.1	40-140			
Hexachlorobiphenyls	0.70	0.0020			0.800		87.7	40-140			
Heptachlorobiphenyls	1.1	0.0030			1.20		87.7	40-140			V-06
Octachlorobiphenyls	1.0	0.0030			1.20		83.0	40-140			
Nonachlorobiphenyls	1.6	0.0050			2.00		80.0	40-140			
Decachlorobiphenyl	1.1	0.0050			2.00		52.6	40-140			
Surrogate: Tetrachloro-m-xylene	*0.179*				*0.200*		*89.5*	*50-125*			
LCS Dup (B139101-BSD1)					Prepared: 01/06/16 Analyzed: 01/08/16						
Monochlorobiphenyls	0.34	0.0010			0.400		84.8	40-140	1.59	50	V-06
Dichlorobiphenyls	0.29	0.0010			0.400		72.9	40-140	2.49	50	V-06
Trichlorobiphenyls	0.28	0.0010			0.400		70.7	40-140	3.67	50	
Tetrachlorobiphenyls	0.62	0.0020			0.800		77.4	40-140	3.66	50	V-06
Pentachlorobiphenyls	0.68	0.0020			0.800		85.4	40-140	3.18	50	
Hexachlorobiphenyls	0.69	0.0020			0.800		85.7	40-140	2.32	50	
Heptachlorobiphenyls	1.0	0.0030			1.20		86.2	40-140	1.69	50	V-06
Octachlorobiphenyls	0.99	0.0030			1.20		82.4	40-140	0.717	50	
Nonachlorobiphenyls	1.6	0.0050			2.00		79.1	40-140	1.21	50	
Decachlorobiphenyl	1.0	0.0050			2.00		51.6	40-140	2.00	50	
Surrogate: Tetrachloro-m-xylene	*0.162*				*0.200*		*80.8*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
S-20	Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
TO-10A/EPA 680 Modified in Air	
Total Polychlorinated biphenyls	AIHA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

con-test® ANALYTICAL LABORATORY

Phone: 413-525-2332 1521461
Fax: 413-525-6405
Email: info@contestlabs.com

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CHAIN OF CUSTODY RECORD (AIR)

Doc #378 Rev 0 5/8/15

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name:	TRC
Address:	21 Griffin Rd N. Windsor CT 06095
Phone:	860-298-9692
Project Name:	Kent Memorial Library
Project Location:	Suffield CT
Project Number:	223120
Project Manager:	Henry Laliberte - 860-798-5689
Con-Test Bid:	
Invoice Recipient:	
Sampled By:	MK / TM - 860-817-2413 (Mike Kostrubo)

Requested Turnaround Time

7-Day ☐ 10-Day ☐
Other: 5 Day

Rush-Approval Required

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery

Format: PDF ☒ EXCEL ☐
Other:
Enhanced Data Package Required: ☐
Email To: HLaliberte@trcsolutions.com
Fax To #:

ANALYSIS REQUESTED: EPA 680/3540C (homologs w/ soxhlet extraction); Initial Pressure; Final Pressure; Lab Receipt Pressure (" Hg)

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Flow Rate (☐ m³/min ☒ L/min)	Matrix Code	Volume (☒ Liters ☐ m³)	EPA 680/3540C	Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
01	#1 MK - Upper Level South ~~Room 405~~	12/31/15 0952	12/31/15 1354	240	5 L/min	IA	1200	X					
02	#2 MK - Upper Level North ~~Room 401~~	0952	1354	242			1210						
03	#3 MK Intermediate Level North ~~Room 404~~	0952	1354	242			1210						
04	#4 MK Intermediate Level North ~~Room 404~~ (Duplicate)	0952	1354	242			1210						
05	#5 MK Lower Level North ~~Room 406~~	0953	1355	242			1210						
06	#6 MK Lower Level South ~~Room 408~~	0953	1355	242			1210						
07	#7 - Intermediate Level South	0954	1356	242			1210						
08	#8 - Lower Bsmt between work Room + Equipment Room	0951	1358	247			1235						
09	#9 - Basement office	0951	1358	247			1235						

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:

SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other______

	Date/Time:
Relinquished by: (signature) Michael Kostrubo [signature]	12/31/15 - 1504
Received by: (signature) [signature] 4.9 °C	12/31/15 1504
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements

MA:
CT: 50 ng/m3
Other:

Special Requirements

☐ MA MCP Required
☒ CT RCP Required
☐ Enhanced Data Package Required

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:0D AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

15L1461

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Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD (AIR)

Doc #378 Rev 0 5/8/15

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

Company Name:	TRC
Address:	21 Griffin Rd N. Windsor CT 06095
Phone:	860-298-9692
Project Name:	Kent Memorial Library
Project Location:	Suffield CT
Project Number:	223120
Project Manager:	Henry Laliberte
Con-Test Bid:	
Invoice Recipient:	
Sampled By:	MK/TM

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: 5 Day

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
Enhanced Data Package Required: ☐
Email To: HLaliberte@trcsolutions.com
Fax To #:

ANALYSIS REQUESTED: EPA 680/3540C (homologs w/ soxhlet extraction)

" Hg — Initial Pressure / Final Pressure / Lab Receipt Pressure

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Flow Rate (L/min)	Matrix Code	Volume (Liters)	EPA 680/3540C				Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	#10-Basement Records Room	12/31/15-0950	12/31/15 1359	249	5 L/min	IA	1245	X								
11	#11-Basement-Lower Lobby	0950	1400	250			1250									
12	#12-Basement Lower Lobby Duplicate	0950	1400	250			1250									
13	#13 Lower Basement Auditorium	0950	1401	251			1255									
14	#14 Lower Basement Multipurpose Room	0950	1401	251			1255									
15	#15-Blank	—	—	—		BL	—									

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other

Signature	Date/Time
Relinquished by: (signature) Michael Kostruk	12/31/15-1504
Received by: (signature) [signature] 4.9°	12/31/15 1504
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

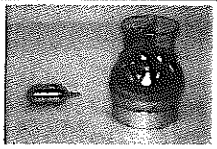
Detection Limit Requirements
MA:
CT: 50 ng/m3
Other:

Special Requirements
☐ MA MCP Required
☒ CT RCP Required
☐ Enhanced Data Package Required

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



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con-test® ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: RLF DATE: 12/31/15

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No 4.9°C
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) Are there any samples "On Hold"? Yes (No) Stored where:

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

6) Location where samples are stored: walk in

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

7) Number of cans Individually Certified or Batch Certified? none

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)			
Tedlar Bags			
TO-17 Tubes			
Regulators			
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009)			
(TO-4A/ TO-10A/TO-13) PUFs		15	low volume
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments: 152115 -01 -04 -07 -10 -13
-02 -05 -08 -11 -14
-03 -06 -09 -12 -15

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	T	

Who notified of False statements? **Date/Time:**

Log-In Technician Initials: **Date/Time:**

RLF 12/31/15 1504

FUSS & O'NEILL
EnviroScience, LLC

Appendix C

Indoor Air Sampling Laboratory Results for PCBs, March 2016 - TRC

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

March 21, 2016

Henry LaLiberte
TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: Kent Memorial Library, Suffield, CT
Client Job Number:
Project Number: 223120
Laboratory Work Order Number: 16C0520

Enclosed are results of analyses for samples received by the laboratory on March 11, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

Table of Contents

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Henry LaLiberte

REPORT DATE: 3/21/2016

PURCHASE ORDER NUMBER: 20605

PROJECT NUMBER: 223120

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16C0520

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Memorial Library, Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1 - Upper Level South	16C0520-01	Indoor air		TO-10A/EPA 680 Modified	
2 - Upper Level North	16C0520-02	Indoor air		TO-10A/EPA 680 Modified	
3 - Intermediate Level North	16C0520-03	Indoor air		TO-10A/EPA 680 Modified	
4 - Intermediate Level North (Duplicate)	16C0520-04	Indoor air		TO-10A/EPA 680 Modified	
5 - Lower Level North	16C0520-05	Indoor air		TO-10A/EPA 680 Modified	
6 - Lower Level South	16C0520-06	Indoor air		TO-10A/EPA 680 Modified	
7 - Intermediate Level South	16C0520-07	Indoor air		TO-10A/EPA 680 Modified	
8 - Lower Basement Between Work Room & Equip. Room	16C0520-08	Indoor air		TO-10A/EPA 680 Modified	
9 - Basement Office	16C0520-09	Indoor air		TO-10A/EPA 680 Modified	
10 - Basement-Records Room	16C0520-10	Indoor air		TO-10A/EPA 680 Modified	
11 - Basement-Lower Lobby	16C0520-11	Indoor air		TO-10A/EPA 680 Modified	
12 - Basement Lower Lobby Duplicate	16C0520-12	Indoor air		TO-10A/EPA 680 Modified	
13 - Lower Basement-Auditorium	16C0520-13	Indoor air		TO-10A/EPA 680 Modified	
14 - Lower Basement Multi-Purpose Room	16C0520-14	Indoor air		TO-10A/EPA 680 Modified	
15 - Blank	16C0520-15	[blank]		TO-10A/EPA 680 Modified	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 1 - Upper Level South
Sample ID: 16C0520-01
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:50

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

	Total µg			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 18:08	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 18:08	CJM
Trichlorobiphenyls	0.0026	0.0010		0.0022	0.00083	1	3/15/16 18:08	CJM
Tetrachlorobiphenyls	0.13	0.0020		0.11	0.0017	1	3/15/16 18:08	CJM
Pentachlorobiphenyls	0.17	0.0020		0.14	0.0017	1	3/15/16 18:08	CJM
Hexachlorobiphenyls	0.025	0.0020		0.021	0.0017	1	3/15/16 18:08	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 18:08	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 18:08	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 18:08	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 18:08	CJM
Total Polychlorinated biphenyls	0.33			0.28		1	3/15/16 18:08	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	68.0	50-125	3/15/16 18:08

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 2 - Upper Level North
Sample ID: 16C0520-02
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:50

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 18:46	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 18:46	CJM
Trichlorobiphenyls	0.0032	0.0010		0.0026	0.00083	1	3/15/16 18:46	CJM
Tetrachlorobiphenyls	0.16	0.0020		0.13	0.0017	1	3/15/16 18:46	CJM
Pentachlorobiphenyls	0.22	0.0020		0.19	0.0017	1	3/15/16 18:46	CJM
Hexachlorobiphenyls	0.028	0.0020		0.023	0.0017	1	3/15/16 18:46	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 18:46	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 18:46	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 18:46	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 18:46	CJM
Total Polychlorinated biphenyls	0.41			0.35		1	3/15/16 18:46	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	70.3	50-125	3/15/16 18:46

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 3 - Intermediate Level North
Sample ID: 16C0520-03
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:51

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 19:24	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 19:24	CJM
Trichlorobiphenyls	0.0050	0.0010		0.0042	0.00083	1	3/15/16 19:24	CJM
Tetrachlorobiphenyls	0.13	0.0020		0.11	0.0017	1	3/15/16 19:24	CJM
Pentachlorobiphenyls	0.14	0.0020		0.11	0.0017	1	3/15/16 19:24	CJM
Hexachlorobiphenyls	0.018	0.0020		0.015	0.0017	1	3/15/16 19:24	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 19:24	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 19:24	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 19:24	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 19:24	CJM
Total Polychlorinated biphenyls	0.29			0.24		1	3/15/16 19:24	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	58.2	50-125	3/15/16 19:24

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 4 - Intermediate Level North (Duplicate)
Sample ID: 16C0520-04
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:51

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 20:02	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 20:02	CJM
Trichlorobiphenyls	0.0057	0.0010		0.0048	0.00083	1	3/15/16 20:02	CJM
Tetrachlorobiphenyls	0.15	0.0020		0.12	0.0017	1	3/15/16 20:02	CJM
Pentachlorobiphenyls	0.18	0.0020		0.15	0.0017	1	3/15/16 20:02	CJM
Hexachlorobiphenyls	0.019	0.0020		0.016	0.0017	1	3/15/16 20:02	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 20:02	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 20:02	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 20:02	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 20:02	CJM
Total Polychlorinated biphenyls	0.35			0.29		1	3/15/16 20:02	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	62.6	50-125	3/15/16 20:02

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 5 - Lower Level North
Sample ID: 16C0520-05
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:51

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 22:33	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 22:33	CJM
Trichlorobiphenyls	0.0025	0.0010		0.0021	0.00083	1	3/15/16 22:33	CJM
Tetrachlorobiphenyls	0.16	0.0020		0.13	0.0017	1	3/15/16 22:33	CJM
Pentachlorobiphenyls	0.20	0.0020		0.17	0.0017	1	3/15/16 22:33	CJM
Hexachlorobiphenyls	0.028	0.0020		0.023	0.0017	1	3/15/16 22:33	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 22:33	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 22:33	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 22:33	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 22:33	CJM
Total Polychlorinated biphenyls	0.39			0.33		1	3/15/16 22:33	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	68.2	50-125	3/15/16 22:33

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 6 - Lower Level South
Sample ID: 16C0520-06
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:51

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 23:11	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 23:11	CJM
Trichlorobiphenyls	0.0022	0.0010		0.0018	0.00083	1	3/15/16 23:11	CJM
Tetrachlorobiphenyls	0.12	0.0020		0.099	0.0017	1	3/15/16 23:11	CJM
Pentachlorobiphenyls	0.14	0.0020		0.12	0.0017	1	3/15/16 23:11	CJM
Hexachlorobiphenyls	0.019	0.0020		0.016	0.0017	1	3/15/16 23:11	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 23:11	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 23:11	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 23:11	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 23:11	CJM
Total Polychlorinated biphenyls	0.28			0.23		1	3/15/16 23:11	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	57.1	50-125	3/15/16 23:11

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 7 - Intermediate Level South
Sample ID: 16C0520-07
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:52

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

	Total µg			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 23:49	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 23:49	CJM
Trichlorobiphenyls	0.0045	0.0010		0.0037	0.00083	1	3/15/16 23:49	CJM
Tetrachlorobiphenyls	0.15	0.0020		0.13	0.0017	1	3/15/16 23:49	CJM
Pentachlorobiphenyls	0.16	0.0020		0.14	0.0017	1	3/15/16 23:49	CJM
Hexachlorobiphenyls	0.020	0.0020		0.016	0.0017	1	3/15/16 23:49	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 23:49	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 23:49	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 23:49	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 23:49	CJM
Total Polychlorinated biphenyls	0.34			0.28		1	3/15/16 23:49	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	70.9	50-125	3/15/16 23:49

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 8 - Lower Basement Between Work Room
Sample ID: 16C0520-08
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:52

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 0:27	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 0:27	CJM
Trichlorobiphenyls	0.0052	0.0010		0.0044	0.00083	1	3/16/16 0:27	CJM
Tetrachlorobiphenyls	0.13	0.0020		0.11	0.0017	1	3/16/16 0:27	CJM
Pentachlorobiphenyls	0.15	0.0020		0.12	0.0017	1	3/16/16 0:27	CJM
Hexachlorobiphenyls	0.020	0.0020		0.016	0.0017	1	3/16/16 0:27	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 0:27	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 0:27	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/16/16 0:27	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/16/16 0:27	CJM
Total Polychlorinated biphenyls	0.30			0.25		1	3/16/16 0:27	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	59.5	50-125	3/16/16 0:27

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 9 - Basement Office
Sample ID: 16C0520-09
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:53

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 1:05	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 1:05	CJM
Trichlorobiphenyls	0.0053	0.0010		0.0045	0.00083	1	3/16/16 1:05	CJM
Tetrachlorobiphenyls	0.13	0.0020		0.10	0.0017	1	3/16/16 1:05	CJM
Pentachlorobiphenyls	0.15	0.0020		0.12	0.0017	1	3/16/16 1:05	CJM
Hexachlorobiphenyls	0.024	0.0020		0.020	0.0017	1	3/16/16 1:05	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 1:05	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 1:05	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/16/16 1:05	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/16/16 1:05	CJM
Total Polychlorinated biphenyls	0.30			0.25		1	3/16/16 1:05	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	74.1	50-125	3/16/16 1:05

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 10 - Basement-Records Room
Sample ID: 16C0520-10
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:53

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 1:43	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 1:43	CJM
Trichlorobiphenyls	0.0016	0.0010		0.0013	0.00083	1	3/16/16 1:43	CJM
Tetrachlorobiphenyls	0.092	0.0020		0.077	0.0017	1	3/16/16 1:43	CJM
Pentachlorobiphenyls	0.11	0.0020		0.092	0.0017	1	3/16/16 1:43	CJM
Hexachlorobiphenyls	0.018	0.0020		0.015	0.0017	1	3/16/16 1:43	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 1:43	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 1:43	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/16/16 1:43	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/16/16 1:43	CJM
Total Polychlorinated biphenyls	0.22			0.19		1	3/16/16 1:43	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	66.8	50-125	3/16/16 1:43

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 11 - Basement-Lower Lobby
Sample ID: 16C0520-11
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:54

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1205

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 2:20	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 2:20	CJM
Trichlorobiphenyls	0.0029	0.0010		0.0024	0.00083	1	3/16/16 2:20	CJM
Tetrachlorobiphenyls	0.079	0.0020		0.066	0.0017	1	3/16/16 2:20	CJM
Pentachlorobiphenyls	0.091	0.0020		0.075	0.0017	1	3/16/16 2:20	CJM
Hexachlorobiphenyls	0.013	0.0020		0.010	0.0017	1	3/16/16 2:20	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 2:20	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 2:20	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	3/16/16 2:20	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	3/16/16 2:20	CJM
Total Polychlorinated biphenyls	0.19			0.15		1	3/16/16 2:20	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	62.2	50-125	3/16/16 2:20

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 12 - Basement Lower Lobby Duplicate
Sample ID: 16C0520-12
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:54

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1205

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 2:58	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 2:58	CJM
Trichlorobiphenyls	0.0038	0.0010		0.0031	0.00083	1	3/16/16 2:58	CJM
Tetrachlorobiphenyls	0.087	0.0020		0.073	0.0017	1	3/16/16 2:58	CJM
Pentachlorobiphenyls	0.10	0.0020		0.085	0.0017	1	3/16/16 2:58	CJM
Hexachlorobiphenyls	0.014	0.0020		0.012	0.0017	1	3/16/16 2:58	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 2:58	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 2:58	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	3/16/16 2:58	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	3/16/16 2:58	CJM
Total Polychlorinated biphenyls	0.21			0.17		1	3/16/16 2:58	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	66.8	50-125	3/16/16 2:58

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 13 - Lower Basement-Auditorium
Sample ID: 16C0520-13
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:54

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 3:36	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 3:36	CJM
Trichlorobiphenyls	0.0019	0.0010		0.0016	0.00083	1	3/16/16 3:36	CJM
Tetrachlorobiphenyls	0.098	0.0020		0.082	0.0017	1	3/16/16 3:36	CJM
Pentachlorobiphenyls	0.12	0.0020		0.10	0.0017	1	3/16/16 3:36	CJM
Hexachlorobiphenyls	0.020	0.0020		0.017	0.0017	1	3/16/16 3:36	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 3:36	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 3:36	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/16/16 3:36	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/16/16 3:36	CJM
Total Polychlorinated biphenyls	0.24			0.20		1	3/16/16 3:36	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	60.3	50-125	3/16/16 3:36

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 14 - Lower Basement Multi-Purpose Room
Sample ID: 16C0520-14
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:54

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 4:14	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 4:14	CJM
Trichlorobiphenyls	0.0040	0.0010		0.0034	0.00083	1	3/16/16 4:14	CJM
Tetrachlorobiphenyls	0.11	0.0020		0.088	0.0017	1	3/16/16 4:14	CJM
Pentachlorobiphenyls	0.12	0.0020		0.10	0.0017	1	3/16/16 4:14	CJM
Hexachlorobiphenyls	0.017	0.0020		0.014	0.0017	1	3/16/16 4:14	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 4:14	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 4:14	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/16/16 4:14	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/16/16 4:14	CJM
Total Polychlorinated biphenyls	0.25			0.21		1	3/16/16 4:14	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	67.3	50-125	3/16/16 4:14

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 15 - Blank
Sample ID: 16C0520-15
Sample Matrix: [blank]
Sampled: 3/11/2016 00:00

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		1	3/16/16 4:52	CJM
Dichlorobiphenyls	ND	0.0010		1	3/16/16 4:52	CJM
Trichlorobiphenyls	ND	0.0010		1	3/16/16 4:52	CJM
Tetrachlorobiphenyls	ND	0.0020		1	3/16/16 4:52	CJM
Pentachlorobiphenyls	ND	0.0020		1	3/16/16 4:52	CJM
Hexachlorobiphenyls	ND	0.0020		1	3/16/16 4:52	CJM
Heptachlorobiphenyls	ND	0.0030		1	3/16/16 4:52	CJM
Octachlorobiphenyls	ND	0.0030		1	3/16/16 4:52	CJM
Nonachlorobiphenyls	ND	0.0050		1	3/16/16 4:52	CJM
Decachlorobiphenyl	ND	0.0050		1	3/16/16 4:52	CJM
Total Polychlorinated biphenyls	0.0			1	3/16/16 4:52	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	73.7	50-125	3/16/16 4:52

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Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
16C0520-01 [1 - Upper Level South]	B144079	1.00	1.00	03/14/16
16C0520-02 [2 - Upper Level North]	B144079	1.00	1.00	03/14/16
16C0520-03 [3 - Intermediate Level North]	B144079	1.00	1.00	03/14/16
16C0520-04 [4 - Intermediate Level North (Duplicate)]	B144079	1.00	1.00	03/14/16
16C0520-05 [5 - Lower Level North]	B144079	1.00	1.00	03/14/16
16C0520-06 [6 - Lower Level South]	B144079	1.00	1.00	03/14/16
16C0520-07 [7 - Intermediate Level South]	B144079	1.00	1.00	03/14/16
16C0520-08 [8 - Lower Basement Between Work Room & Equip. R	B144079	1.00	1.00	03/14/16
16C0520-09 [9 - Basement Office]	B144079	1.00	1.00	03/14/16
16C0520-10 [10 - Basement-Records Room]	B144079	1.00	1.00	03/14/16
16C0520-11 [11 - Basement-Lower Lobby]	B144079	1.00	1.00	03/14/16
16C0520-12 [12 - Basement Lower Lobby Duplicate]	B144079	1.00	1.00	03/14/16
16C0520-13 [13 - Lower Basement-Auditorium]	B144079	1.00	1.00	03/14/16
16C0520-14 [14 - Lower Basement Multi-Purpose Room]	B144079	1.00	1.00	03/14/16
16C0520-15 [15 - Blank]	B144079	1.00	1.00	03/14/16

con-test® ANALYTICAL LABORATORY
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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B144079 - SW-846 3540C											
Blank (B144079-BLK1)					Prepared: 03/14/16 Analyzed: 03/15/16						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.125*				*0.200*		*62.7*	*50-125*			
LCS (B144079-BS1)					Prepared: 03/14/16 Analyzed: 03/15/16						
Monochlorobiphenyls	0.17	0.0010			0.200		84.3	40-140			
Dichlorobiphenyls	0.17	0.0010			0.200		85.4	40-140			
Trichlorobiphenyls	0.16	0.0010			0.200		81.3	40-140			
Tetrachlorobiphenyls	0.34	0.0020			0.400		83.8	40-140			
Pentachlorobiphenyls	0.35	0.0020			0.400		86.8	40-140			
Hexachlorobiphenyls	0.35	0.0020			0.400		87.5	40-140			
Heptachlorobiphenyls	0.51	0.0030			0.600		84.3	40-140			
Octachlorobiphenyls	0.52	0.0030			0.600		87.3	40-140			
Nonachlorobiphenyls	0.89	0.0050			1.00		89.2	40-140			
Decachlorobiphenyl	0.68	0.0050			1.00		68.5	40-140			
Surrogate: Tetrachloro-m-xylene	*0.163*				*0.200*		*81.4*	*50-125*			
LCS Dup (B144079-BSD1)					Prepared: 03/14/16 Analyzed: 03/15/16						
Monochlorobiphenyls	0.18	0.0010			0.200		88.8	40-140	5.29	50	
Dichlorobiphenyls	0.17	0.0010			0.200		85.3	40-140	0.149	50	
Trichlorobiphenyls	0.16	0.0010			0.200		80.4	40-140	1.12	50	
Tetrachlorobiphenyls	0.33	0.0020			0.400		83.3	40-140	0.534	50	
Pentachlorobiphenyls	0.34	0.0020			0.400		84.9	40-140	2.30	50	
Hexachlorobiphenyls	0.34	0.0020			0.400		85.5	40-140	2.34	50	
Heptachlorobiphenyls	0.49	0.0030			0.600		82.1	40-140	2.66	50	
Octachlorobiphenyls	0.51	0.0030			0.600		85.1	40-140	2.58	50	
Nonachlorobiphenyls	0.85	0.0050			1.00		84.8	40-140	5.01	50	
Decachlorobiphenyl	0.64	0.0050			1.00		64.4	40-140	6.11	50	
Surrogate: Tetrachloro-m-xylene	*0.162*				*0.200*		*81.2*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
TO-10A/EPA 680 Modified in Air	
Total Polychlorinated biphenyls	AIHA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (AIR)

160520

Company Name: TRC
Address: 21 Griffin Rd North Windsor, CT
Phone: 860-298-9692
Project Name: Kent Memorial Library
Project Location: Suffield, CT
Project Number: 223120
Project Manager: Henry Laliberte
Con-Test Bid:
Invoice Recipient:
Sampled By: MK/TM - 860-817-2413 - Mike Kostruba

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: (5 DAY)

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
Enhanced Data Package Required: ☐
Email To: HLaliberke trcsolutions.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	EPA 680/3540C - Homolog w/ Soxhlet extraction	" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☒ L/min	Code	☒ Liters ☐ m³		Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	For summa canister and flow controller information please refer to Con-Test's Air Media Agreement
												Summa Can ID	Flow Controller ID
01	1-Upper Level South	3/11/16 0850	3/11/16 1250	240	5 L/min	IA	1200	X					
02	2-Upper Level North	0850	1250	240									
03	3-Intermediate Level North	0851	1251	240									
04	4-Intermediate Level North (Duplicate)	0851	1251	240									
05	5-Lower Level North	0851	1251	240									
06	6-Lower Level South	0851	1251	240									
07	7-Intermediate Level South	0852	1252	240									
08	8-Lower Basement between Work Room & Equip Room	0852	1252	240									
09	9-Basement office	0853	1253	240									

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature) Mike Kostruba	Date/Time: 3/11/16 1350	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time: 3-11-16 1350	MA	☐ MA MCP Required
Relinquished by: (signature)	Date/Time: 3-11-16 1420	CT 50 ng/m3	☒ CT RCP Required
Received by: (signature) T.S.	Date/Time: 3/11/16 1420	Other	☐ Enhanced Data Package Required
Relinquished by: (signature)	Date/Time:	NELAC and AIHA-LAP, LLC Accredited	
Received by: (signature)	Date/Time:		

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

con-test ANALYTICAL LABORATORY
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Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

http://www.contestlabs.com
Doc #378 Rev 0 5/8/15
1660520
CHAIN OF CUSTODY RECORD (AIR)
Page 2 of 2

Company Name: TRC
Address: 21 Griffin Rd
Phone: 860-298-9692
Project Name: Kent Memorial Library
Project Location: Suffield CT
Project Number: 223120
Project Manager: Henry Laliberte
Con-Test Bid:
Invoice Recipient:
Sampled By: MK/TM - 860-817-2413 (MK)

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other (5 Day)

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
Enhanced Data Package Required: ☐
Email To: HLaliberte@trcsolutions.com
Fax To #:

ANALYSIS REQUESTED: EPA 680/354 OC (Homologs with Soxhlet extraction)

" Hg: Initial Pressure / Final Pressure / Lab Receipt Pressure

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Con-Test Work Order# (Lab Use)	Client Sample ID / Description (Client Use)	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Flow Rate (☐ m³/min ☒ L/min)	Matrix Code	Volume (☒ Liters ☐ m³)	EPA 680/354 OC (Homologs with Soxhlet extraction)				Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	10-Basement-Records Room	3/11/16 0853	3/11/16 1253	~~5 L/min~~ 240	5 L/min	IA	1200	X								
11	11-Basement-Lower Lobby	0853	1254	241			1205									
12	12-Basement Lower Lobby Duplicate	0853	1254	241			1205									
13	13-Lower Basement Auditorium	0854	1254	240			1200									
14	14-Lower Basement Multi Purpose Room	0854	1254	240			1200									
15	15-Blank	—	—	—	—	BL										

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other______

Signature	Date/Time
Relinquished by: (signature) Mike Fastnubs	3/11/16 1350
Received by: (signature)	3-11-16 1350
Relinquished by: (signature)	3-11-16 1420
Received by: (signature) 3.5	3/11/16 1420
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements		Special Requirements	
MA		☐	MA MCP Required
CT	50 ng/m³	☒	CT RCP Required
Other		☐	Enhanced Data Package Required

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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con-test® ANALYTICAL LABORATORY

AIR Only Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME TRC **RECEIVED BY**: VP **DATE**: 3/11/2016

1) Was the chain(s) of custody relinquished and signed? **Yes** X **No** _____

2) Does the chain agree with the samples? **Yes** X **No** _____
If not, explain:

3) Are all the samples in good condition? **Yes** X **No** _____
If not, explain:

4) Are there any samples "On Hold"? **Yes** _____ **No** X Stored where: _____

5) Are there any RUSH or SHORT HOLDING TIME samples? **Yes** _____ **No** X

Who was notified _____ Date _____ Time _____

6) Location where samples are stored: AIR

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

7) Number of cans Individually Certified or Batch Certified? _____

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)			
Tedlar Bags			
TO-17 Tubes			
Regulators			
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009)			
(TO-4A/ TO-10A/TO-13) PUFs		15	LOW VOLUME
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:				LOT #	022516-01		-5	-9	-13							
						-2	-6	-10	-14							
						-3	-7	-11	-15							
						-4	-8	-12								

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	3.5
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	NA	

Who notified of False statements? **Date/Time:**

Doc #278 Rev. 5 October 2014 **Log-In Technician Initials:** **VP** **3/11/16**

FUSS & O'NEILL
EnviroScience, LLC

Appendix D

Bulk Sampling Laboratory Results and Field Sketches for PCBs, April-May 2016 - TRC

PHOENIX
Environmental Laboratories, Inc.

Monday, April 18, 2016

Attn: Mr Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: 223120.0001.0003
Sample ID#s: BN12903 - BN12909

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 18, 2016

FOR: Attn: Mr Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MS	04/13/16	9:50
Location Code:	TRC-PCBDAS	Received by:	LK	04/13/16	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN12903
Phoenix ID: BN12903

Project ID: 223120.0001.0003
Client ID: 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				04/13/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.71	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1221	ND	0.71	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1232	ND	0.71	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1242	ND	0.71	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1248	ND	0.71	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1254	4.6	0.71	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1260	ND	0.71	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1262	ND	0.71	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1268	ND	0.71	mg/Kg	10	04/15/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	103		%	10	04/15/16	AW	30 - 150 %
% TCMX	89		%	10	04/15/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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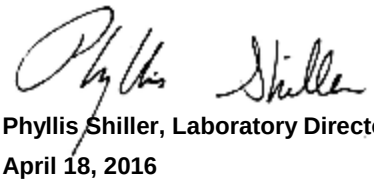

Phyllis Shiller, Laboratory Director
April 18, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 18, 2016

FOR: Attn: Mr Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MS	04/13/16	10:10
Location Code:	TRC-PCBDAS	Received by:	LK	04/13/16	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN12903
Phoenix ID: BN12904

Project ID: 223120.0001.0003
Client ID: 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				04/13/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	3.4	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1221	ND	3.4	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1232	ND	3.4	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1242	ND	3.4	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1248	ND	3.4	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1254	11	3.4	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1260	ND	3.4	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1262	ND	3.4	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1268	ND	3.4	mg/Kg	50	04/15/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	50	04/15/16	AW	30 - 150 %
% TCMX	Diluted Out		%	50	04/15/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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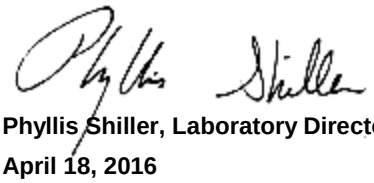

Phyllis Shiller, Laboratory Director
April 18, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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Analysis Report

April 18, 2016

FOR: Attn: Mr Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MS	04/13/16	10:22
Location Code:	TRC-PCBDAS	Received by:	LK	04/13/16	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN12903
Phoenix ID: BN12905

Project ID: 223120.0001.0003
Client ID: 3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				04/13/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.71	mg/Kg	10	04/14/16	AW	SW8082A
PCB-1221	ND	0.71	mg/Kg	10	04/14/16	AW	SW8082A
PCB-1232	ND	0.71	mg/Kg	10	04/14/16	AW	SW8082A
PCB-1242	ND	0.71	mg/Kg	10	04/14/16	AW	SW8082A
PCB-1248	ND	0.71	mg/Kg	10	04/14/16	AW	SW8082A
PCB-1254	4.5	0.71	mg/Kg	10	04/14/16	AW	SW8082A
PCB-1260	ND	0.71	mg/Kg	10	04/14/16	AW	SW8082A
PCB-1262	ND	0.71	mg/Kg	10	04/14/16	AW	SW8082A
PCB-1268	ND	0.71	mg/Kg	10	04/14/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	103		%	10	04/14/16	AW	30 - 150 %
% TCMX	96		%	10	04/14/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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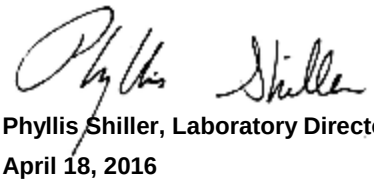

Phyllis Shiller, Laboratory Director
April 18, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 18, 2016

FOR: Attn: Mr Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MS	04/13/16	10:52
Location Code:	TRC-PCBDAS	Received by:	LK	04/13/16	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN12903
Phoenix ID: BN12906

Project ID: 223120.0001.0003
Client ID: 4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				04/13/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	7.1	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1221	ND	7.1	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1232	ND	7.1	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1242	ND	7.1	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1248	ND	7.1	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1254	32	7.1	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1260	ND	7.1	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1262	ND	7.1	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1268	ND	7.1	mg/Kg	100	04/14/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	100	04/14/16	AW	30 - 150 %
% TCMX	Diluted Out		%	100	04/14/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director
April 18, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 18, 2016

FOR: Attn: Mr Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MS	04/13/16	11:08
Location Code:	TRC-PCBDAS	Received by:	LK	04/13/16	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN12903
Phoenix ID: BN12907

Project ID: 223120.0001.0003
Client ID: 5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				04/13/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	7	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1221	ND	7	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1232	ND	7	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1242	ND	7	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1248	ND	7	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1254	26	7	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1260	ND	7	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1262	ND	7	mg/Kg	100	04/14/16	AW	SW8082A
PCB-1268	ND	7	mg/Kg	100	04/14/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	100	04/14/16	AW	30 - 150 %
% TCMX	Diluted Out		%	100	04/14/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director
April 18, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 18, 2016

FOR: Attn: Mr Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MS	04/13/16	11:32
Location Code:	TRC-PCBDAS	Received by:	LK	04/13/16	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN12903
Phoenix ID: BN12908

Project ID: 223120.0001.0003
Client ID: 6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				04/13/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	3.5	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1221	ND	3.5	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1232	ND	3.5	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1242	ND	3.5	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1248	ND	3.5	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1254	18	3.5	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1260	ND	3.5	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1262	ND	3.5	mg/Kg	50	04/15/16	AW	SW8082A
PCB-1268	ND	3.5	mg/Kg	50	04/15/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	50	04/15/16	AW	30 - 150 %
% TCMX	Diluted Out		%	50	04/15/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director
April 18, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 18, 2016

FOR: Attn: Mr Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MS	04/13/16	11:54
Location Code:	TRC-PCBDAS	Received by:	LK	04/13/16	14:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN12903
Phoenix ID: BN12909

Project ID: 223120.0001.0003
Client ID: 7

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				04/13/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.68	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1221	ND	0.68	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1232	ND	0.68	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1242	ND	0.68	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1248	ND	0.68	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1254	1.3	0.68	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1260	ND	0.68	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1262	ND	0.68	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1268	ND	0.68	mg/Kg	10	04/15/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	118		%	10	04/15/16	AW	30 - 150 %
% TCMX	103		%	10	04/15/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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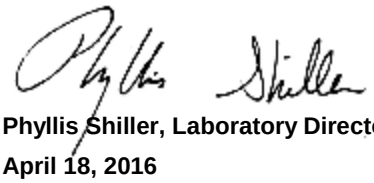


Phyllis Shiller, Laboratory Director
April 18, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

April 18, 2016

QA/QC Data

SDG I.D.: GBN12903

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 342116 (mg/Kg), QC Sample No: BN12903 10X (BN12903, BN12904, BN12905, BN12906, BN12907, BN12908, BN12909)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	0.17	94	104	10.1				40 - 140	30
PCB-1221	ND	0.17							40 - 140	30
PCB-1232	ND	0.17							40 - 140	30
PCB-1242	ND	0.17							40 - 140	30
PCB-1248	ND	0.17							40 - 140	30
PCB-1254	ND	0.17							40 - 140	30
PCB-1260	ND	0.17	100	105	4.9				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	109	%	101	102	1.0				30 - 150	30
% TCMX (Surrogate Rec)	98	%	88	98	10.8				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
April 18, 2016

Sample Criteria Exceedences Report

GBN12903 - TRC-PCBDAS

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: 223120.0001.0003 **Project Number:**

Laboratory Sample ID(s): BN12903, BN12904, BN12905, BN12906, BN12907, BN12908, BN12909

Sampling Date(s): 4/13/2016

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

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.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
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 (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
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 ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #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 providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Monday, April 18, 2016

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

RCP Certification Report

April 18, 2016

SDG I.D.: GBN12903

SDG Comments

Temperature above 6C:
The samples were received in a cooler with ice packs. The samples were delivered to the Laboratory within a short period of time after sample collection. Therefore no significant bias is suspected.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD1 04/14/16-1 Adam Werner, Chemist 04/14/16

BN12903

The initial calibration (PC0404AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0404BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD3 04/14/16-1 Adam Werner, Chemist 04/14/16

BN12903, BN12904, BN12905, BN12908, BN12909

The initial calibration (PC0229AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0229BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD5 04/14/16-1 Adam Werner, Chemist 04/14/16

BN12906, BN12907

The initial calibration (PC0401AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0401BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

QC (Batch Specific):

Batch 342116 (BN12903)

BN12903, BN12904, BN12905, BN12906, BN12907, BN12908, BN12909

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Temperature Narration

The samples were received at 12C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

12°C on ice

TRC

Edition: September 2007
Supersede Previous Edition

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
223120.0001.0003	Town of Suffield – Kent Memorial Library			Standard TAT 7-10 Days X Rush TAT 5 Day Date Needed:
SIGNATURE	INSPECTOR			
	Michael Stewart			

Lab ID:	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= X2=)	Preservative	NOTES
	1	4/13/16	9:50		X	Historical Room	X		X			Sealant on concrete 12903
	2	4/13/16	10:10		X	Historical Room	X		X			Sealant on concrete 12904
	3	4/13/16	10:22		X	Historical Room	X		X			Sealant on concrete 12905
	4	4/13/16	10:52		X	Theater	X		X			Sealant on Brick with carpet glue 12906
	5	4/13/16	11:08		X	Theater	X		X			Sealant on Brick with carpet glue 12907
	6	4/13/16	11:32		X	Theater	X		X			Sealant on Brick with carpet glue 12908
	7	4/13/16	11:54		X	Fire Suppression Room	X		X			Sealant on concrete with carpet glue 12909

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Michael Stewart	Time: 14:15	(Printed) Michael Pelletier	(Printed)	Time:	(Printed)

Remarks:
Report to: DAS rates apply
Include CT DPH RCP Report

Condition upon Receipt:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

April 19, 2016

FOR: Attn: Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/16	10:24
Location Code:	TRC-PCBDAS	Received by:	SW	04/15/16	15:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN14670
Phoenix ID: BN14670

Project ID: TOWN OF SUFFIELD-KENT MEMORIAL
Client ID: 14

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				04/15/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.65	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1221	ND	0.65	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1232	ND	0.65	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1242	ND	0.65	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1248	ND	0.65	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1254	3.1	0.65	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1260	ND	0.65	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1262	ND	0.65	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1268	ND	0.65	mg/Kg	2	04/18/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	68		%	2	04/18/16	AW	30 - 150 %
% TCMX	56		%	2	04/18/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
April 19, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

April 19, 2016

FOR: Attn: Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/16	10:51
Location Code:	TRC-PCBDAS	Received by:	SW	04/15/16	15:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN14670
Phoenix ID: BN14671

Project ID: TOWN OF SUFFIELD-KENT MEMORIAL
Client ID: 15

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				04/15/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.45	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1221	ND	0.45	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1232	ND	0.45	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1242	ND	0.45	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1248	ND	0.45	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1254	2.5	0.45	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1260	ND	0.45	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1262	ND	0.45	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1268	ND	0.45	mg/Kg	2	04/18/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	72		%	2	04/18/16	AW	30 - 150 %
% TCMX	54		%	2	04/18/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

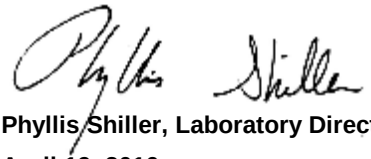
Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director
April 19, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

April 19, 2016

FOR: Attn: Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/16	11:26
Location Code:	TRC-PCBDAS	Received by:	SW	04/15/16	15:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN14670
Phoenix ID: BN14672

Project ID: TOWN OF SUFFIELD-KENT MEMORIAL
Client ID: 16

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				04/15/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.52	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1221	ND	0.52	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1232	ND	0.52	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1242	ND	0.52	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1248	ND	0.52	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1254	2.6	0.52	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1260	ND	0.52	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1262	ND	0.52	mg/Kg	2	04/18/16	AW	SW8082A
PCB-1268	ND	0.52	mg/Kg	2	04/18/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	67		%	2	04/18/16	AW	30 - 150 %
% TCMX	54		%	2	04/18/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
April 19, 2016

Sample Criteria Exceedences Report

GBN14670 - TRC-PCBDAS

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

11 0WC, D

TRC

Edition: September 2007
Supersede Previous Edition

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
223120.0001.0003	Town of Suffield – Kent Memorial Library			Standard TAT 7-10 Days: [ ]; X Rush TAT – 3 day; Date Needed: 4/20/16
SIGNATURE: (signature)	INSPECTOR: Michael Stewart			

Lab ID:	SAMPLE ID:	DATE	TIME	TYPE: COMP	TYPE: GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= X2=)	Preservative	NOTES
	14	4/15/16	10:24		X	Theater - middle	X		X			Sealant on concrete 14670
	15	4/15/16	10:51		X	Theater – middle	X		X			Sealant on concrete 14671
	16	4/15/16	11:26		X	Theater - middle	X		X			Sealant on concrete 14672

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
(signature)	4/15/16	(signature)			
(Printed) Michael Stewart	Time: 1520	(Printed) Monica Petterm	(Printed)	Time:	(Printed)

Remarks:
Report to: DAS rates apply
Include CT DPH RCP Report

Condition upon Receipt:

Page 1 of 1

PHOENIX
Environmental Laboratories, Inc.

Tuesday, April 19, 2016

Attn: Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: TOWN OF SUFFIELD-KENT MEMORIAL
Sample ID#s: BN14053 - BN14058

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 19, 2016

FOR: Attn: Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/14/16	13:51
Location Code:	TRC-PCBDAS	Received by:	SW	04/14/16	14:55
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	223120.0001.0003				

Laboratory Data

SDG ID: GBN14053
Phoenix ID: BN14053

Project ID: TOWN OF SUFFIELD-KENT MEMORIAL
Client ID: 8

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	89		%		04/14/16	I	SW846-%Solid
Extraction for PCB	Completed				04/14/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	4.4	mg/Kg	25	04/15/16	AW	SW8082A
PCB-1221	ND	4.4	mg/Kg	25	04/15/16	AW	SW8082A
PCB-1232	ND	4.4	mg/Kg	25	04/15/16	AW	SW8082A
PCB-1242	ND	4.4	mg/Kg	25	04/15/16	AW	SW8082A
PCB-1248	ND	4.4	mg/Kg	25	04/15/16	AW	SW8082A
PCB-1254	15	4.4	mg/Kg	25	04/15/16	AW	SW8082A
PCB-1260	ND	4.4	mg/Kg	25	04/15/16	AW	SW8082A
PCB-1262	ND	4.4	mg/Kg	25	04/15/16	AW	SW8082A
PCB-1268	ND	4.4	mg/Kg	25	04/15/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	104		%	25	04/15/16	AW	30 - 150 %
% TCMX	98		%	25	04/15/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
April 19, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 19, 2016

FOR: Attn: Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/14/16	11:17
Location Code:	TRC-PCBDAS	Received by:	SW	04/14/16	14:55
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	223120.0001.0003				

Laboratory Data

SDG ID: GBN14053
Phoenix ID: BN14054

Project ID: TOWN OF SUFFIELD-KENT MEMORIAL
Client ID: 9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88		%		04/14/16	I	SW846-%Solid
Extraction for PCB	Completed				04/14/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.89	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1221	ND	0.89	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1232	ND	0.89	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1242	ND	0.89	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1248	ND	0.89	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1254	1.8	0.89	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1260	ND	0.89	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1262	ND	0.89	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1268	ND	0.89	mg/Kg	5	04/15/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	94		%	5	04/15/16	AW	30 - 150 %
% TCMX	92		%	5	04/15/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
April 19, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 19, 2016

FOR: Attn: Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/14/16	12:56
Location Code:	TRC-PCBDAS	Received by:	SW	04/14/16	14:55
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	223120.0001.0003				

Laboratory Data

SDG ID: GBN14053
Phoenix ID: BN14055

Project ID: TOWN OF SUFFIELD-KENT MEMORIAL
Client ID: 10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	97		%		04/14/16	I	SW846-%Solid
Extraction for PCB	Completed				04/14/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.78	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1221	ND	0.78	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1232	ND	0.78	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1242	ND	0.78	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1248	ND	0.78	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1254	ND	0.78	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1260	ND	0.78	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1262	ND	0.78	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1268	ND	0.78	mg/Kg	5	04/15/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	94		%	5	04/15/16	AW	30 - 150 %
% TCMX	88		%	5	04/15/16	AW	30 - 150 %

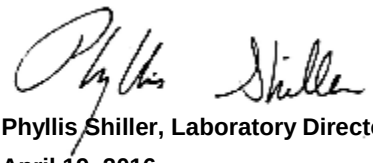
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
April 19, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 19, 2016

FOR: Attn: Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/14/16	13:06
Location Code:	TRC-PCBDAS	Received by:	SW	04/14/16	14:55
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	223120.0001.0003				

Laboratory Data

SDG ID: GBN14053
Phoenix ID: BN14056

Project ID: TOWN OF SUFFIELD-KENT MEMORIAL
Client ID: 11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	99		%		04/14/16	I	SW846-%Solid
Extraction for PCB	Completed				04/14/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.59	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1221	ND	0.59	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1232	ND	0.59	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1242	ND	0.59	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1248	ND	0.59	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1254	1.5	0.59	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1260	ND	0.59	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1262	ND	0.59	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1268	ND	0.59	mg/Kg	5	04/15/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	76		%	5	04/15/16	AW	30 - 150 %
% TCMX	58		%	5	04/15/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
April 19, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 19, 2016

FOR: Attn: Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/14/16	13:10
Location Code:	TRC-PCBDAS	Received by:	SW	04/14/16	14:55
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	223120.0001.0003				

Laboratory Data

SDG ID: GBN14053
Phoenix ID: BN14057

Project ID: TOWN OF SUFFIELD-KENT MEMORIAL
Client ID: 12

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	98		%		04/14/16	I	SW846-%Solid
Extraction for PCB	Completed				04/14/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	1.6	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1221	ND	1.6	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1232	ND	1.6	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1242	ND	1.6	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1248	ND	1.6	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1254	3.1	1.6	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1260	ND	1.6	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1262	ND	1.6	mg/Kg	10	04/15/16	AW	SW8082A
PCB-1268	ND	1.6	mg/Kg	10	04/15/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	102		%	10	04/15/16	AW	30 - 150 %
% TCMX	92		%	10	04/15/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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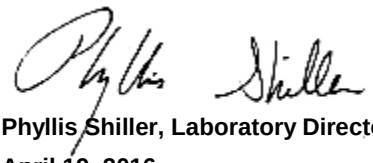

Phyllis Shiller, Laboratory Director
April 19, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 19, 2016

FOR: Attn: Mike Stewart
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/14/16	13:15
Location Code:	TRC-PCBDAS	Received by:	SW	04/14/16	14:55
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	223120.0001.0003				

Laboratory Data

SDG ID: GBN14053
Phoenix ID: BN14058

Project ID: TOWN OF SUFFIELD-KENT MEMORIAL
Client ID: 13

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	98		%		04/14/16	I	SW846-%Solid
Extraction for PCB	Completed				04/14/16	QQ/F	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.73	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1221	ND	0.73	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1232	ND	0.73	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1242	ND	0.73	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1248	ND	0.73	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1254	1.4	0.73	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1260	ND	0.73	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1262	ND	0.73	mg/Kg	5	04/15/16	AW	SW8082A
PCB-1268	ND	0.73	mg/Kg	5	04/15/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	83		%	5	04/15/16	AW	30 - 150 %
% TCMX	69		%	5	04/15/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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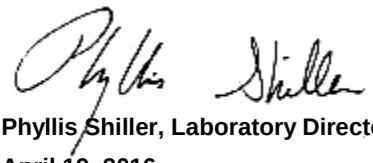

Phyllis Shiller, Laboratory Director
April 19, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

April 19, 2016

QA/QC Data

SDG I.D.: GBN14053

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 342132 (mg/Kg), QC Sample No: BN12829 10X (BN14053, BN14054, BN14055, BN14056, BN14057, BN14058)											
Polychlorinated Biphenyls - Solid											
PCB-1016	ND	0.17	59	81	31.4				40 - 140	30	r
PCB-1221	ND	0.17							40 - 140	30	
PCB-1232	ND	0.17							40 - 140	30	
PCB-1242	ND	0.17							40 - 140	30	
PCB-1248	ND	0.17							40 - 140	30	
PCB-1254	ND	0.17							40 - 140	30	
PCB-1260	ND	0.17	63	87	32.0				40 - 140	30	r
PCB-1262	ND	0.17							40 - 140	30	
PCB-1268	ND	0.17							40 - 140	30	
% DCBP (Surrogate Rec)	97	%	70	98	33.3				30 - 150	30	r
% TCMX (Surrogate Rec)	82	%	57	78	31.1				30 - 150	30	r

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
April 19, 2016

Sample Criteria Exceedences Report

GBN14053 - TRC-PCBDAS

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: TOWN OF SUFFIELD-KENT ME **Project Number:**

Laboratory Sample ID(s): BN14053, BN14054, BN14055, BN14056, BN14057, BN14058

Sampling Date(s): 4/14/2016

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

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.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
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 (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: PCB Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
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 ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #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 providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Tuesday, April 19, 2016

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

RCP Certification Report

April 19, 2016

SDG I.D.: GBN14053

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 342132 (Samples: BN14053, BN14054, BN14055, BN14056, BN14057, BN14058): -----

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (PCB-1016, PCB-1260)

The LCS/LCSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (% DCBP (Surrogate Rec), % TCMX (Surrogate Rec))

Instrument:

AU-ECD3 04/15/16-1 Adam Werner, Chemist 04/15/16

BN14053, BN14054, BN14055, BN14056, BN14057, BN14058

The initial calibration (PC0229AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0229BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

QC (Batch Specific):

Batch 342132 (BN12829)

BN14053, BN14054, BN14055, BN14056, BN14057, BN14058

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: % DCBP (Surrogate Rec)(33.3%), % TCMX (Surrogate Rec)(31.1%), PCB-1016(31.4%), PCB-1260(32.0%)
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Temperature Narration

The samples were received at 6C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

6 cwk in

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
223120.0001.0003	Town of Suffield – Kent Memorial Library			Standard TAT 7-10 Days; X Rush TAT; Date Needed: 4/20/16
SIGNATURE [signature]	INSPECTOR Michael Stewart			

Lab ID:	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= X2=)	Preservative	NOTES	
	8	4/14/16	1-:51		X	Stacks Area	X		X			Sealant on concrete	14053
	9	4/14/16	11:17		X	Stacks Area	X		X			Sealant on concrete	14054
	10	4/14/16	12:56		X	Stacks Area	X		X			Sealant on concrete	14055
	11	4/14/16	13:06		X	Director's Office	X		X			Sealant on concrete	14056
	12	4/14/16	13:10		X	Director's Office	X		X			Sealant on concrete	14057
	13	4/14/16	13:15		X	Director's Office	X		X			Sealant on concrete	14058

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
[signature]	4/14/16	[signature]			
(Printed) Michael Stewart	Time: 14:55	(Printed) Monica Paler	(Printed)	Time:	(Printed)

Remarks:
Report to: DAS rates apply
Include CT DPH RCP Report

Condition upon Receipt:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	10:34
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22677

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1221	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1232	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1242	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1248	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1254	1.1	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1260	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1262	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1268	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	94		%	5	05/03/16	AW	30 - 150 %
% TCMX	63		%	5	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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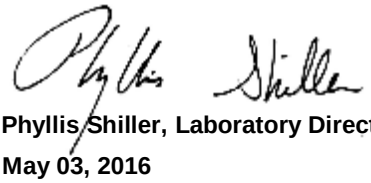
All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	9:20
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22678

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1221	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1232	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1242	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1248	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1254	1.4	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1260	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1262	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1268	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	86		%	5	05/03/16	AW	30 - 150 %
% TCMX	72		%	5	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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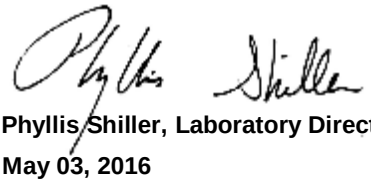

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	9:30
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22679

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.79	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1221	ND	0.79	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1232	ND	0.79	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1242	ND	0.79	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1248	ND	0.79	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1254	1.3	0.79	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1260	ND	0.79	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1262	ND	0.79	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1268	ND	0.79	mg/Kg	5	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	65		%	5	05/03/16	AW	30 - 150 %
% TCMX	67		%	5	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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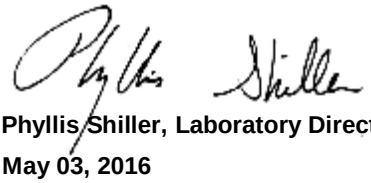

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	9:25
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22680

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	7.8	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1221	ND	7.8	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1232	ND	7.8	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1242	ND	7.8	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1248	ND	7.8	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1254	21	7.8	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1260	ND	7.8	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1262	ND	7.8	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1268	ND	7.8	mg/Kg	50	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	50	05/03/16	AW	30 - 150 %
% TCMX	Diluted Out		%	50	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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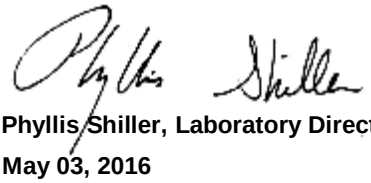

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	9:40
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22681

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.77	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1221	ND	0.77	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1232	ND	0.77	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1242	ND	0.77	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1248	ND	0.77	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1254	5	0.77	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1260	ND	0.77	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1262	ND	0.77	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1268	ND	0.77	mg/Kg	5	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	90		%	5	05/03/16	AW	30 - 150 %
% TCMX	79		%	5	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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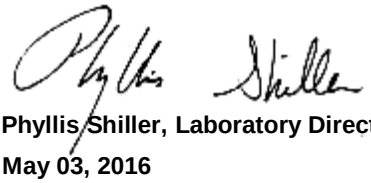

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	9:40
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22682

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	7.6	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1221	ND	7.6	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1232	ND	7.6	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1242	ND	7.6	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1248	ND	7.6	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1254	37	7.6	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1260	ND	7.6	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1262	ND	7.6	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1268	ND	7.6	mg/Kg	50	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	50	05/03/16	AW	30 - 150 %
% TCMX	Diluted Out		%	50	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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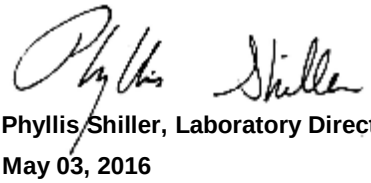

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	9:58
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22683

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 7

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1221	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1232	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1242	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1248	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1254	17	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1260	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1262	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1268	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	85		%	25	05/03/16	AW	30 - 150 %
% TCMX	66		%	25	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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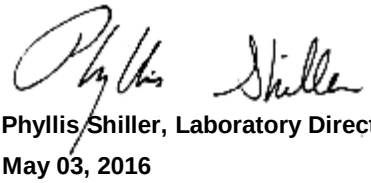

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	9:52
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22684

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 8

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1221	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1232	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1242	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1248	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1254	0.95	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1260	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1262	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1268	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	74		%	5	05/03/16	AW	30 - 150 %
% TCMX	49		%	5	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Comments:

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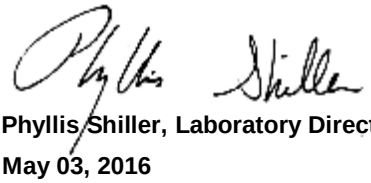

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	10:30
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22685

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.83	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1221	ND	0.83	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1232	ND	0.83	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1242	ND	0.83	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1248	ND	0.83	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1254	ND	0.83	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1260	ND	0.83	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1262	ND	0.83	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1268	ND	0.83	mg/Kg	5	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	80		%	5	05/03/16	AW	30 - 150 %
% TCMX	50		%	5	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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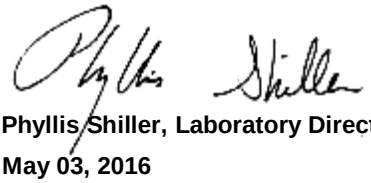

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	11:48
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22686

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.65	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1221	ND	0.65	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1232	ND	0.65	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1242	ND	0.65	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1248	ND	0.65	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1254	2.8	0.65	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1260	ND	0.65	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1262	ND	0.65	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1268	ND	0.65	mg/Kg	2	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	75		%	2	05/03/16	AW	30 - 150 %
% TCMX	62		%	2	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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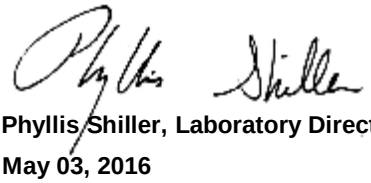

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	10:53
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22687

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.63	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1221	ND	0.63	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1232	ND	0.63	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1242	ND	0.63	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1248	ND	0.63	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1254	2	0.63	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1260	ND	0.63	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1262	ND	0.63	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1268	ND	0.63	mg/Kg	2	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	82		%	2	05/03/16	AW	30 - 150 %
% TCMX	64		%	2	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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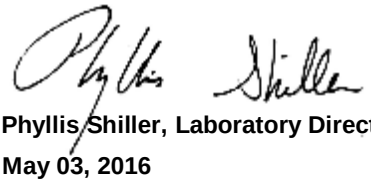

Phyllis Shiller, Laboratory Director
May 03, 2016

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Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	11:57
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22688

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 12

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.66	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1221	ND	0.66	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1232	ND	0.66	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1242	ND	0.66	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1248	ND	0.66	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1254	1.8	0.66	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1260	ND	0.66	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1262	ND	0.66	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1268	ND	0.66	mg/Kg	2	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	65		%	2	05/03/16	AW	30 - 150 %
% TCMX	72		%	2	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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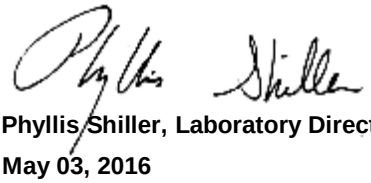

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	11:01
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22689

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 13

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.59	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1221	ND	0.59	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1232	ND	0.59	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1242	ND	0.59	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1248	ND	0.59	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1254	2	0.59	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1260	ND	0.59	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1262	ND	0.59	mg/Kg	2	05/03/16	AW	SW8082A
PCB-1268	ND	0.59	mg/Kg	2	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	54		%	2	05/03/16	AW	30 - 150 %
% TCMX	58		%	2	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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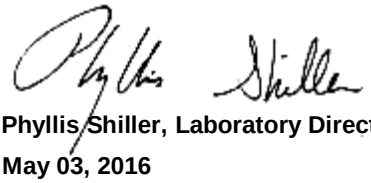

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	12:12
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22690

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 14

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1221	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1232	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1242	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1248	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1254	21	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1260	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1262	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1268	ND	3.7	mg/Kg	25	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	53		%	25	05/03/16	AW	30 - 150 %
% TCMX	50		%	25	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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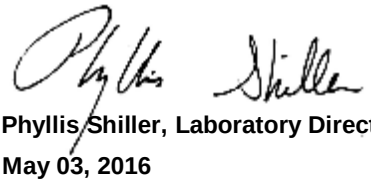

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	13:20
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22691

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 15

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	3.6	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1221	ND	3.6	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1232	ND	3.6	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1242	ND	3.6	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1248	ND	3.6	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1254	47	3.6	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1260	ND	3.6	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1262	ND	3.6	mg/Kg	25	05/03/16	AW	SW8082A
PCB-1268	ND	3.6	mg/Kg	25	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	70		%	25	05/03/16	AW	30 - 150 %
% TCMX	70		%	25	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Comments:

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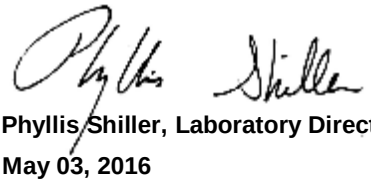

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	13:15
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22692

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 16

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1221	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1232	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1242	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1248	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1254	9.1	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1260	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1262	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
PCB-1268	ND	0.8	mg/Kg	5	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	76		%	5	05/03/16	AW	30 - 150 %
% TCMX	50		%	5	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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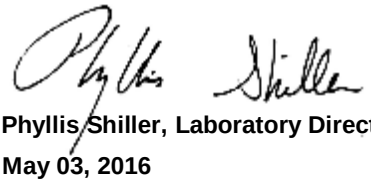

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	13:50
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22693

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 17

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	7.4	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1221	ND	7.4	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1232	ND	7.4	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1242	ND	7.4	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1248	ND	7.4	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1254	75	7.4	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1260	ND	7.4	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1262	ND	7.4	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1268	ND	7.4	mg/Kg	50	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	50	05/03/16	AW	30 - 150 %
% TCMX	Diluted Out		%	50	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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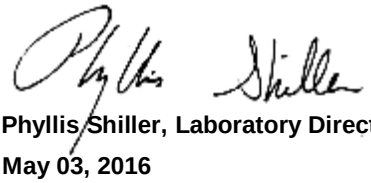

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/02/16	14:10
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22694

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 18

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				05/02/16	QQ/I	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	7.7	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1221	ND	7.7	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1232	ND	7.7	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1242	ND	7.7	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1248	ND	7.7	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1254	74	7.7	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1260	ND	7.7	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1262	ND	7.7	mg/Kg	50	05/03/16	AW	SW8082A
PCB-1268	ND	7.7	mg/Kg	50	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	50	05/03/16	AW	30 - 150 %
% TCMX	Diluted Out		%	50	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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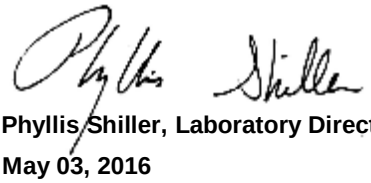

Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		05/02/16	14:28
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	UNKNOWN CAN				

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22695

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 19

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				05/02/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	10	ug/100cm2	100	05/03/16	AW	SW8082A
PCB-1221	ND	10	ug/100cm2	100	05/03/16	AW	SW8082A
PCB-1232	ND	10	ug/100cm2	100	05/03/16	AW	SW8082A
PCB-1242	ND	10	ug/100cm2	100	05/03/16	AW	SW8082A
PCB-1248	ND	10	ug/100cm2	100	05/03/16	AW	SW8082A
PCB-1254	63	10	ug/100cm2	100	05/03/16	AW	SW8082A
PCB-1260	ND	10	ug/100cm2	100	05/03/16	AW	SW8082A
PCB-1262	ND	10	ug/100cm2	100	05/03/16	AW	SW8082A
PCB-1268	ND	10	ug/100cm2	100	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	100	05/03/16	AW	30 - 150 %
% TCMX	Diluted Out		%	100	05/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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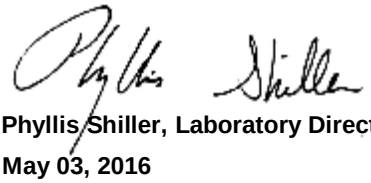

Phyllis Shiller, Laboratory Director
May 03, 2016

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Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		05/02/16	14:38
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	UNKNOWN CAN				

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22696

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 20

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				05/02/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1221	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1232	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1242	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1248	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1254	0.93	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1260	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1262	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1268	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	55		%	1	05/03/16	AW	30 - 150 %
% TCMX	47		%	1	05/03/16	AW	30 - 150 %

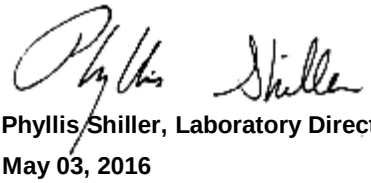
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		05/02/16	14:48
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	UNKNOWN CAN				

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22697

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 21

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				05/02/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1221	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1232	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1242	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1248	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1254	1.2	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1260	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1262	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1268	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	65		%	1	05/03/16	AW	30 - 150 %
% TCMX	50		%	1	05/03/16	AW	30 - 150 %

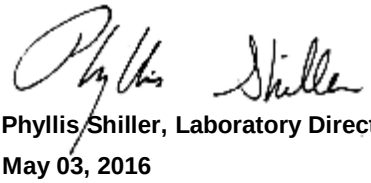
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director
May 03, 2016

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

May 03, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		05/02/16	
Location Code:	TRC-PCBDAS	Received by:	SW	05/02/16	16:10
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	UNKNOWN CAN				

Laboratory Data

SDG ID: GBN22677
Phoenix ID: BN22698

Project ID: KENT MEMORIAL LIBRARY SUFFIELD CT
Client ID: 22

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				05/02/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1221	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1232	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1242	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1248	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1254	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1260	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1262	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
PCB-1268	ND	0.10	ug/100cm2	1	05/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	70		%	1	05/03/16	AW	30 - 150 %
% TCMX	51		%	1	05/03/16	AW	30 - 150 %

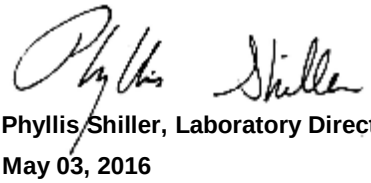
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director
May 03, 2016

Sample Criteria Exceedences Report

GBN22677 - TRC-PCBDAS

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

12 PWC + TCE

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
223Do.000.0003	Kent Memorial Library Suffield CT			Standard TAT 7-10 Days Rush TAT (24HR TAT) Date Needed:

SIGNATURE	INSPECTOR
	Mike Kastrinsky - 860-817-2413 Michael Stewart

Lab ID:	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1- X2-)	Preservative	NOTES
226	77	1	5/2/16	1054		X	Upper level South	X		1	Solid	Cold	- Parquet Floor (Normite) - wood
226	78	2		0920			Intermediate level South						Glue dab - Ceiling
226	79	3		0900			Intermediate level North						Glue dab - Ceiling
226	80	4		0935			↓						Ceiling tile
226	81	5		0940			Intermediate level South						Ceiling tile
226	82	6		0940			Multipurpose Room (Gallery)						Vinyl Cove base (Mastic)
226	83	7		0958			↓						Vinyl Cove base glue only
226	84	8		0952			Auditorium						Bookshelf - Unmantled - Wood
226	85	9		1050			Lower level South						Furniture - table - wood
226	86	10		1148			Multipurpose Room (Gallery)						Mastic on back side of Floor tile
226	87	11	↓	1053		↓	Equipment Room	↓		↓	↓	↓	Mastic on back side of Floor tile

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	5/2/16	Cparadise			
(Printed) Michael Stewart	Time: 16:10	(Printed) Christine Paradise	(Printed)	Time:	(Printed)

Remarks:
Report to: DAS rates apply
Include CT DPH RCP Report

Send Results to Henry Laliberte
HLaliberte@trcsolutions.com

Condition upon Receipt: 12°

12°W/C+ice

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
223120.0001.0003	Kent Memorial Library, Suffield CT			Standard TAT 7-10 Days Rush TAT 24 HR TAT! Date Needed:
SIGNATURE	INSPECTOR Mike Kostruba Michael Stewart			

Lab ID:	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix X2= (X1=)	Preservative	NOTES
226	88	12	5/2/16	1157		X	Multipurpose Room (Gallery)	X		1	Solid	Cold	Sealant on Concrete under Flooring
226	89	13		1101			Equipment Room						Sealant on Concrete under Flooring
226	90	14		1212			Under Dormitories						Oil organic soil under Dormitories
226	91	15		1320			Intermediate Level South						Waffle Sealant - edge - Ceiling
226	92	16		1315			"						Waffle Sealant - interior - Ceiling
226	93	17		1350			Lower level North						Waffle Sealant - edge - ceiling
226	94	18		1410			"						Waffle Sealant - interior ceiling
226	95	19		1428			Upper Level South				PUF		Vacuum Dust Sample - PUF - 100cm² Area (undisturbed)
226	96	20		1438			Mechanical Room						Vacuum Dust Sample - PUF - Floor - 100cm²
226	97	21		1448			Records Room						Vacuum Dust Sample - PUF - Floor - 100cm²
226	98	22	—	—			PUF Field Blank	—		—	—		PUF Field Blank

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	5/2/16				
(Printed) Michael Stewart	Time: 1610	(Printed) Christine Paradise	(Printed)	Time:	(Printed)

Remarks:
Report to: DAS rates apply
Include CT DPH RCP Report

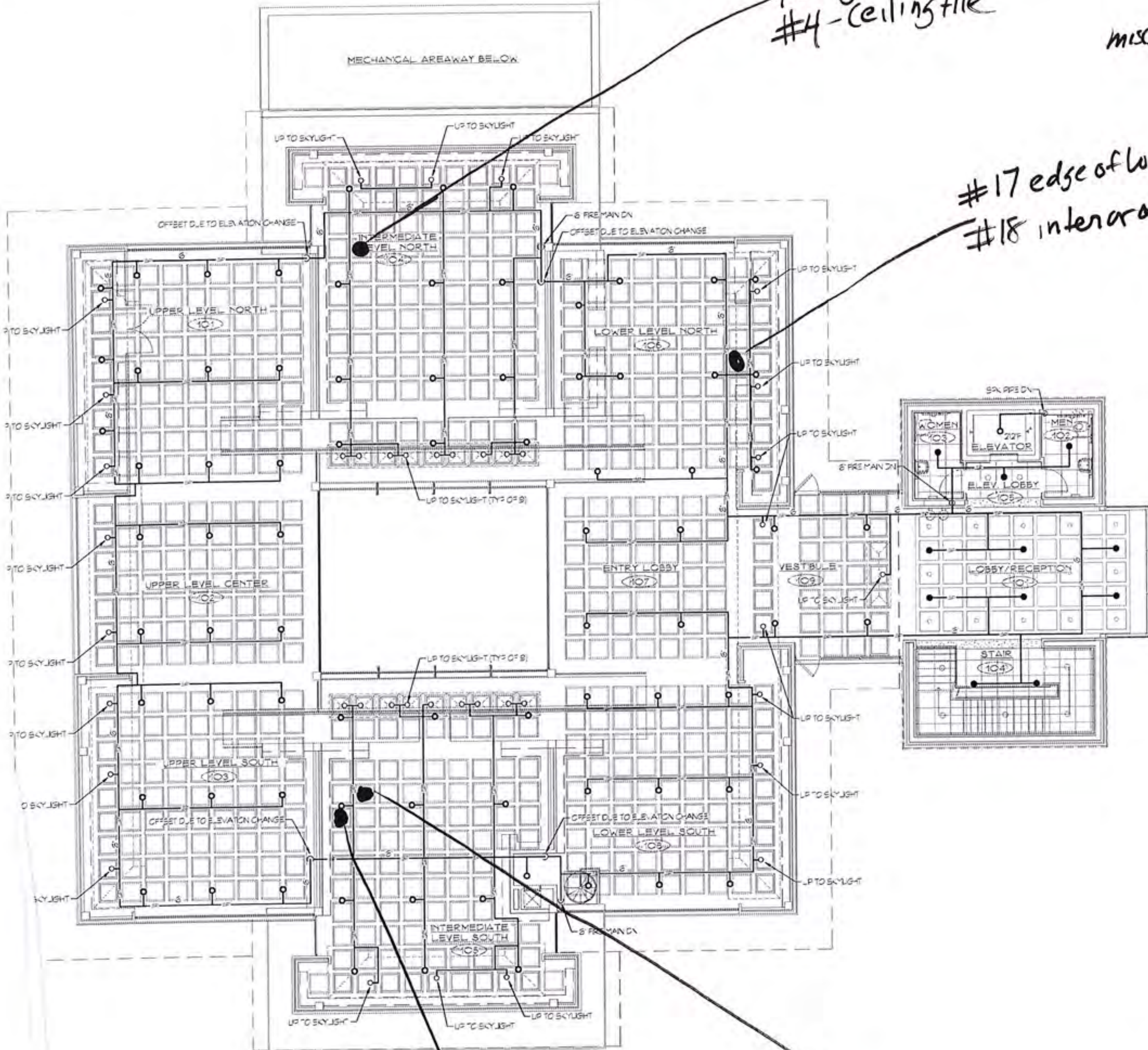
Same as RS-1

Condition upon Receipt: 12°

5/2/16
MS
PCB
misc.. Sealant/Subst.
sample
Locs

#3 - glue dawb 1.3 PPM
#4 - Ceiling tile 21 PPM

#17 edge of waffle 75 PPM
#18 interior of waffle 74 PPM



FIRST FLOOR FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"
2
FP101

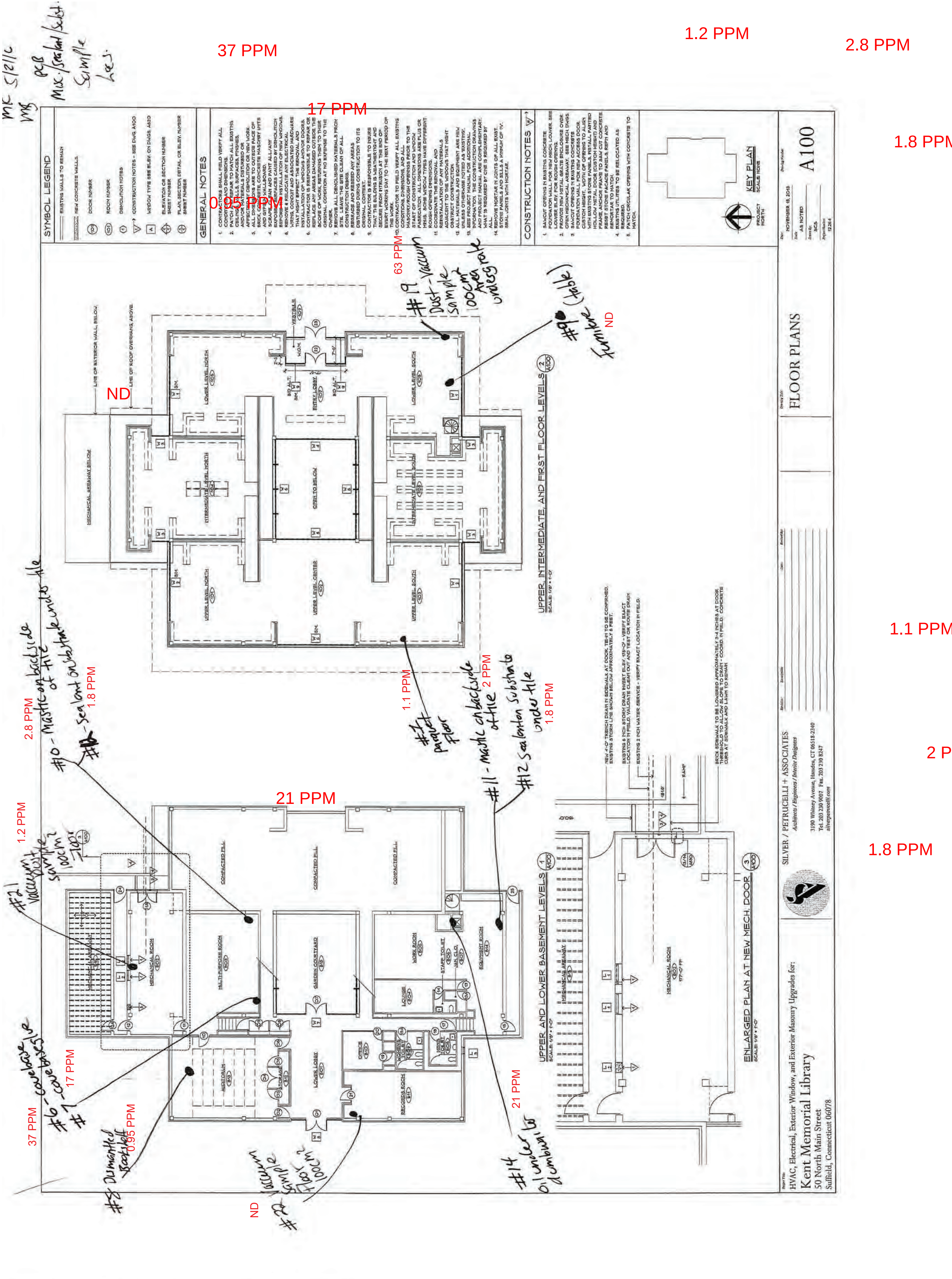
#2 - Glue daub 1.4 PPM
#15 Edge of waffle 47PPM
#16 interior of waffle 9.1 PPM

FIRE PROTECTION DESIGN NOTE

SHOP DRAWINGS MUST BE APPROVED BY LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION

#5 Ceiling tile
5 PPM

JULY 25, 2014


37 PPM
1.2 PPM
2.8 PPM
17 PPM
1.8 PPM
0.95 PPM
63 PPM
ND
ND
1.1 PPM
2 PPM
1.8 PPM
2.8 PPM
1.8 PPM
1.1 PPM
21 PPM
1.2 PPM
17 PPM
37 PPM
0.95 PPM
21 PPM
ND
1.8 PPM
SYMBOL LEGEND
GENERAL NOTES
CONSTRUCTION NOTES
KEY PLAN
UPPER, INTERMEDIATE, AND FIRST FLOOR LEVELS
UPPER AND LOWER BASEMENT LEVELS
ENLARGED PLAN AT NEW MECH. DOOR
FLOOR PLANS
A100
SILVER / PETRUCELLI + ASSOCIATES
Architects / Engineers / Interior Designers
HVAC, Electrical, Exterior Window, and Exterior Masonry Upgrades for:
Kent Memorial Library
50 North Main Street
Suffield, Connecticut 06078

FUSS & O'NEILL
EnviroScience, LLC

Appendix E

Photographs during Pilot Surface Isolation Study

Photo 1 depicting Foil Jacketed Fresh Air Intake Duct

Photo 2 Depicting Fresh Air Intake Vent Sample Location

Photo 3 Depicting Fresh Air Intake Sample Location

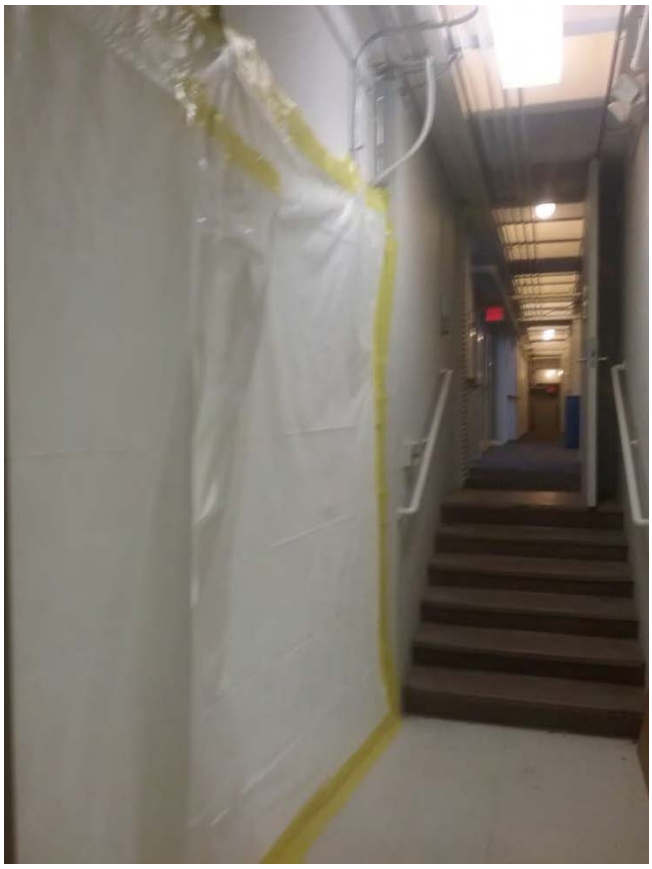


Photo 4 Depicting Critical installed at Entry to Multi-Purpose Room

Photo 5 Depicting North wall of Multi-Purpose Room following installation of enclosure isolating walls, ceiling and floor.

Photo 6 Depicting East Wall of Multipurpose Room following installation of enclosure isolating walls, ceiling and floor.

Photo 7 Depicting South Wall of Multipurpose Room following installation of enclosure isolating walls, ceiling and floor.

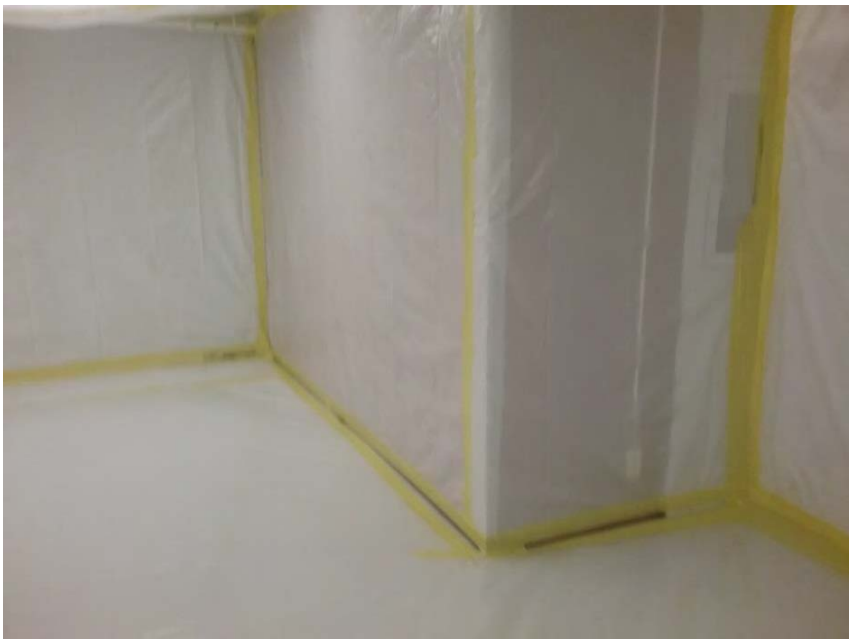


Photo 8 Depicting Corner Closet of Multipurpose Room following installation of enclosure isolating walls, ceiling and floor.

Photo 9 Depicting Intermediate South Wall following installation of enclosure isolating walls, ceiling and floor

Photo 10 Depicting Ceiling and Ambient Sample Apparatus in Intermediate South area following installation of enclosure isolating walls, ceiling and floor.

Photo 11 Depicting Wall Sample Apparatus in Intermediate South area following installation of enclosure isolating walls, ceiling and floor.

Photo 12 Depicting Wall Sample Apparatus in Intermediate South area following installation of enclosure isolating walls, ceiling and floor.

Photo 13 Depicting Close up of separation of wall and ceiling in Intermediate South area following installation of enclosure isolating walls, ceiling and floor.

Photo 14 Depicting Ambient Sample Apparatus in Upper North area following installation of enclosure isolating walls, ceiling and floor.

Photo 15 Depicting Side Profile of Wall Sample Apparatus.
(Barrier cut away following sampling to show configuration)

Photo 16 Depicting Side Profile of Floor Sample Apparatus at Carpeted Area.
(Barrier cut away following sampling to show configuration)

Photo 17 Depicting Side Profile of Floor Sample Barrier at Tiled Area.
(Barrier cut away following sampling to show configuration)

Photo 18 Depicting Ceiling Slab Opening in Intermediate South Room. Open to Space Above. Space represented by Ceiling Indoor Air Sample.

Photo 19 Depicting Broken and Raised Floor Tile in Multi-Purpose Room.
(Note: Cracks observed in slab run entire span of wall on south side)

Photo 20 Depicting Close up of cracks observed in slab in Multi-Purpose Room

Photo 21 Polyurethane Foam Sample Media and GilAir Plus Air Pump

FUSS & O'NEILL
EnviroScience, LLC

Appendix F

Wipe Sample Laboratory Results prior to Surface Isolation

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

November 22, 2016

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: Kent Library- Wipe Samples
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 16K0839

Enclosed are results of analyses for samples received by the laboratory on November 15, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

Table of Contents

Table of Contents (continued)

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 11/22/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16K0839

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Library- Wipe Samples

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
KPL-001	16K0839-01	Wipe		SW-846 8082A	
KPL-002	16K0839-02	Wipe		SW-846 8082A	
KPL-003	16K0839-03	Wipe		SW-846 8082A	
KPL-004	16K0839-04	Wipe		SW-846 8082A	
KPL-005	16K0839-05	Wipe		SW-846 8082A	
KPL-006	16K0839-06	Wipe		SW-846 8082A	
KPL-007	16K0839-07	Wipe		SW-846 8082A	
KPL-008	16K0839-08	Wipe		SW-846 8082A	
KPL-009	16K0839-09	Wipe		SW-846 8082A	
KPL-010	16K0839-10	Wipe		SW-846 8082A	
KPL-011	16K0839-11	Wipe		SW-846 8082A	
KPL-012	16K0839-12	Wipe		SW-846 8082A	
KPL-013	16K0839-13	Wipe		SW-846 8082A	
KPL-014	16K0839-14	Wipe		SW-846 8082A	
KPL-015	16K0839-15	Wipe		SW-846 8082A	
KPL-016	16K0839-16	Wipe		SW-846 8082A	
KPL-017	16K0839-17	Wipe		SW-846 8082A	
KPL-018	16K0839-18	Wipe		SW-846 8082A	
KPL-019	16K0839-19	Wipe		SW-846 8082A	
KPL-020	16K0839-20	Wipe		SW-846 8082A	
KPL-021	16K0839-21	Wipe		SW-846 8082A	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-001 | Sampled: 11/14/2016 17:00

Sample ID: 16K0839-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1254 [1]	0.48	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.4	30-150		11/21/16 13:28
Decachlorobiphenyl [2]	86.0	30-150		11/21/16 13:28
Tetrachloro-m-xylene [1]	89.5	30-150		11/21/16 13:28
Tetrachloro-m-xylene [2]	90.5	30-150		11/21/16 13:28

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-002 | Sampled: 11/14/2016 17:03

Sample ID: 16K0839-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.4	30-150		11/21/16 13:40
Decachlorobiphenyl [2]	80.5	30-150		11/21/16 13:40
Tetrachloro-m-xylene [1]	82.9	30-150		11/21/16 13:40
Tetrachloro-m-xylene [2]	86.1	30-150		11/21/16 13:40

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-003 | Sampled: 11/14/2016 17:06

Sample ID: 16K0839-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.4	30-150		11/21/16 13:52
Decachlorobiphenyl [2]	87.6	30-150		11/21/16 13:52
Tetrachloro-m-xylene [1]	91.3	30-150		11/21/16 13:52
Tetrachloro-m-xylene [2]	88.6	30-150		11/21/16 13:52

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-004 | Sampled: 11/14/2016 17:09

Sample ID: 16K0839-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.8	30-150		11/21/16 14:05
Decachlorobiphenyl [2]	81.1	30-150		11/21/16 14:05
Tetrachloro-m-xylene [1]	81.9	30-150		11/21/16 14:05
Tetrachloro-m-xylene [2]	85.4	30-150		11/21/16 14:05

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-005 | Sampled: 11/14/2016 17:16

Sample ID: 16K0839-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.2	30-150		11/21/16 14:17
Decachlorobiphenyl [2]	83.2	30-150		11/21/16 14:17
Tetrachloro-m-xylene [1]	84.5	30-150		11/21/16 14:17
Tetrachloro-m-xylene [2]	87.5	30-150		11/21/16 14:17

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-006 | Sampled: 11/14/2016 17:18

Sample ID: 16K0839-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.9	30-150		11/21/16 14:29
Decachlorobiphenyl [2]	86.6	30-150		11/21/16 14:29
Tetrachloro-m-xylene [1]	87.6	30-150		11/21/16 14:29
Tetrachloro-m-xylene [2]	87.4	30-150		11/21/16 14:29

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-007 | Sampled: 11/14/2016 17:20

Sample ID: 16K0839-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.6	30-150		11/21/16 14:42
Decachlorobiphenyl [2]	88.9	30-150		11/21/16 14:42
Tetrachloro-m-xylene [1]	96.3	30-150		11/21/16 14:42
Tetrachloro-m-xylene [2]	89.6	30-150		11/21/16 14:42

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-008 | Sampled: 11/14/2016 17:22

Sample ID: 16K0839-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1254 [1]	0.63	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.7	30-150		11/21/16 14:54
Decachlorobiphenyl [2]	87.4	30-150		11/21/16 14:54
Tetrachloro-m-xylene [1]	91.7	30-150		11/21/16 14:54
Tetrachloro-m-xylene [2]	92.4	30-150		11/21/16 14:54

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-009 | Sampled: 11/14/2016 17:35

Sample ID: 16K0839-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.2	30-150		11/21/16 15:06
Decachlorobiphenyl [2]	89.4	30-150		11/21/16 15:06
Tetrachloro-m-xylene [1]	94.7	30-150		11/21/16 15:06
Tetrachloro-m-xylene [2]	87.5	30-150		11/21/16 15:06

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-010 | Sampled: 11/14/2016 17:38

Sample ID: 16K0839-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1254 [1]	0.23	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.5	30-150		11/21/16 16:06
Decachlorobiphenyl [2]	90.0	30-150		11/21/16 16:06
Tetrachloro-m-xylene [1]	95.9	30-150		11/21/16 16:06
Tetrachloro-m-xylene [2]	89.2	30-150		11/21/16 16:06

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-011 | Sampled: 11/14/2016 17:41

Sample ID: 16K0839-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1254 [1]	0.33	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.7	30-150		11/21/16 16:18
Decachlorobiphenyl [2]	87.1	30-150		11/21/16 16:18
Tetrachloro-m-xylene [1]	89.1	30-150		11/21/16 16:18
Tetrachloro-m-xylene [2]	86.1	30-150		11/21/16 16:18

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-012 | Sampled: 11/14/2016 17:45

Sample ID: 16K0839-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1254 [1]	0.39	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.4	30-150		11/21/16 16:30
Decachlorobiphenyl [2]	89.1	30-150		11/21/16 16:30
Tetrachloro-m-xylene [1]	93.0	30-150		11/21/16 16:30
Tetrachloro-m-xylene [2]	87.4	30-150		11/21/16 16:30

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-013 | Sampled: 11/14/2016 18:00

Sample ID: 16K0839-13

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1254 [1]	0.33	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.1	30-150		11/21/16 16:43
Decachlorobiphenyl [2]	86.2	30-150		11/21/16 16:43
Tetrachloro-m-xylene [1]	89.9	30-150		11/21/16 16:43
Tetrachloro-m-xylene [2]	86.9	30-150		11/21/16 16:43

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-014 | Sampled: 11/14/2016 18:02

Sample ID: 16K0839-14

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1254 [1]	0.35	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.1	30-150		11/21/16 16:55
Decachlorobiphenyl [2]	82.0	30-150		11/21/16 16:55
Tetrachloro-m-xylene [1]	85.4	30-150		11/21/16 16:55
Tetrachloro-m-xylene [2]	88.3	30-150		11/21/16 16:55

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-015 | Sampled: 11/14/2016 18:04

Sample ID: 16K0839-15

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.8	30-150		11/21/16 17:07
Decachlorobiphenyl [2]	89.2	30-150		11/21/16 17:07
Tetrachloro-m-xylene [1]	93.6	30-150		11/21/16 17:07
Tetrachloro-m-xylene [2]	87.2	30-150		11/21/16 17:07

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-016 | Sampled: 11/14/2016 18:06

Sample ID: 16K0839-16

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.9	30-150		11/21/16 17:20
Decachlorobiphenyl [2]	82.4	30-150		11/21/16 17:20
Tetrachloro-m-xylene [1]	84.8	30-150		11/21/16 17:20
Tetrachloro-m-xylene [2]	86.0	30-150		11/21/16 17:20

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-017 | Sampled: 11/14/2016 18:20

Sample ID: 16K0839-17

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1254 [1]	0.27	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.5	30-150		11/21/16 17:32
Decachlorobiphenyl [2]	90.0	30-150		11/21/16 17:32
Tetrachloro-m-xylene [1]	94.6	30-150		11/21/16 17:32
Tetrachloro-m-xylene [2]	87.0	30-150		11/21/16 17:32

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-018 | Sampled: 11/14/2016 18:23

Sample ID: 16K0839-18

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.1	30-150		11/21/16 17:44
Decachlorobiphenyl [2]	91.5	30-150		11/21/16 17:44
Tetrachloro-m-xylene [1]	95.3	30-150		11/21/16 17:44
Tetrachloro-m-xylene [2]	88.8	30-150		11/21/16 17:44

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-019 | Sampled: 11/14/2016 18:25

Sample ID: 16K0839-19

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1254 [1]	0.22	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.0	30-150		11/21/16 17:57
Decachlorobiphenyl [2]	91.0	30-150		11/21/16 17:57
Tetrachloro-m-xylene [1]	96.5	30-150		11/21/16 17:57
Tetrachloro-m-xylene [2]	89.2	30-150		11/21/16 17:57

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-020 | Sampled: 11/14/2016 18:27

Sample ID: 16K0839-20

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1254 [1]	0.32	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.9	30-150		11/21/16 18:09
Decachlorobiphenyl [2]	89.3	30-150		11/21/16 18:09
Tetrachloro-m-xylene [1]	94.5	30-150		11/21/16 18:09
Tetrachloro-m-xylene [2]	89.5	30-150		11/21/16 18:09

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-021 | Sampled: 11/14/2016 00:00

Sample ID: 16K0839-21

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.5	30-150		11/21/16 11:51
Decachlorobiphenyl [2]	91.7	30-150		11/21/16 11:51
Tetrachloro-m-xylene [1]	95.3	30-150		11/21/16 11:51
Tetrachloro-m-xylene [2]	89.3	30-150		11/21/16 11:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
16K0839-01 [KPL-001]	B163777	1.00	10.0	11/18/16
16K0839-02 [KPL-002]	B163777	1.00	10.0	11/18/16
16K0839-03 [KPL-003]	B163777	1.00	10.0	11/18/16
16K0839-04 [KPL-004]	B163777	1.00	10.0	11/18/16
16K0839-05 [KPL-005]	B163777	1.00	10.0	11/18/16
16K0839-06 [KPL-006]	B163777	1.00	10.0	11/18/16
16K0839-07 [KPL-007]	B163777	1.00	10.0	11/18/16
16K0839-08 [KPL-008]	B163777	1.00	10.0	11/18/16
16K0839-09 [KPL-009]	B163777	1.00	10.0	11/18/16
16K0839-10 [KPL-010]	B163777	1.00	10.0	11/18/16
16K0839-11 [KPL-011]	B163777	1.00	10.0	11/18/16
16K0839-12 [KPL-012]	B163777	1.00	10.0	11/18/16
16K0839-13 [KPL-013]	B163777	1.00	10.0	11/18/16
16K0839-14 [KPL-014]	B163777	1.00	10.0	11/18/16
16K0839-15 [KPL-015]	B163777	1.00	10.0	11/18/16
16K0839-16 [KPL-016]	B163777	1.00	10.0	11/18/16
16K0839-17 [KPL-017]	B163777	1.00	10.0	11/18/16
16K0839-18 [KPL-018]	B163777	1.00	10.0	11/18/16
16K0839-19 [KPL-019]	B163777	1.00	10.0	11/18/16
16K0839-20 [KPL-020]	B163777	1.00	10.0	11/18/16

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
16K0839-21 [KPL-021]	B163779	1.00	10.0	11/18/16

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B163777 - SW-846 3540C										
Blank (B163777-BLK1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.76*		µg/Wipe	2.00		88.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.82*		µg/Wipe	2.00		90.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.83*		µg/Wipe	2.00		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.77*		µg/Wipe	2.00		88.4	30-150			
LCS (B163777-BS1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	0.50	0.20	µg/Wipe	0.500		99.2	40-140			
Aroclor-1016 [2C]	0.46	0.20	µg/Wipe	0.500		91.9	40-140			
Aroclor-1260	0.47	0.20	µg/Wipe	0.500		93.8	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/Wipe	0.500		101	40-140			
Surrogate: Decachlorobiphenyl	*1.73*		µg/Wipe	2.00		86.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.78*		µg/Wipe	2.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.86*		µg/Wipe	2.00		93.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.79*		µg/Wipe	2.00		89.7	30-150			
LCS Dup (B163777-BSD1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	0.49	0.20	µg/Wipe	0.500		97.9	40-140	1.31	30	
Aroclor-1016 [2C]	0.46	0.20	µg/Wipe	0.500		92.7	40-140	0.841	30	
Aroclor-1260	0.50	0.20	µg/Wipe	0.500		99.6	40-140	6.02	30	
Aroclor-1260 [2C]	0.47	0.20	µg/Wipe	0.500		93.9	40-140	7.41	30	
Surrogate: Decachlorobiphenyl	*1.69*		µg/Wipe	2.00		84.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/Wipe	2.00		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.84*		µg/Wipe	2.00		91.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.73*		µg/Wipe	2.00		86.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B163779 - SW-846 3540C										
Blank (B163779-BLK1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.75*		µg/Wipe	2.00		87.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.80*		µg/Wipe	2.00		90.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.95*		µg/Wipe	2.00		97.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.83*		µg/Wipe	2.00		91.4	30-150			
LCS (B163779-BS1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	0.60	0.20	µg/Wipe	0.500		120	40-140			
Aroclor-1016 [2C]	0.62	0.20	µg/Wipe	0.500		124	40-140			
Aroclor-1260	0.54	0.20	µg/Wipe	0.500		108	40-140			
Aroclor-1260 [2C]	0.55	0.20	µg/Wipe	0.500		110	40-140			
Surrogate: Decachlorobiphenyl	*1.85*		µg/Wipe	2.00		92.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.87*		µg/Wipe	2.00		93.4	30-150			
Surrogate: Tetrachloro-m-xylene	*2.03*		µg/Wipe	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.85*		µg/Wipe	2.00		92.4	30-150			
LCS Dup (B163779-BSD1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	0.56	0.20	µg/Wipe	0.500		111	40-140	7.79	30	
Aroclor-1016 [2C]	0.46	0.20	µg/Wipe	0.500		91.7	40-140	29.9	30	
Aroclor-1260	0.43	0.20	µg/Wipe	0.500		85.1	40-140	23.6	30	
Aroclor-1260 [2C]	0.42	0.20	µg/Wipe	0.500		84.6	40-140	25.8	30	
Surrogate: Decachlorobiphenyl	*1.48*		µg/Wipe	2.00		74.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.62*		µg/Wipe	2.00		80.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.69*		µg/Wipe	2.00		84.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.75*		µg/Wipe	2.00		87.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-001

Lab Sample ID: 16K0839-01 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.48	
	2	0.00	0.00	0.00	0.47	1.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-008

Lab Sample ID: 16K0839-08 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.63	
	2	0.00	0.00	0.00	0.56	12.4

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-011

Lab Sample ID: 16K0839-11 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.33	
	2	0.00	0.00	0.00	0.32	1.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-012

Lab Sample ID: 16K0839-12 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.39	
	2	0.00	0.00	0.00	0.33	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-013

Lab Sample ID: 16K0839-13 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.33	
	2	0.00	0.00	0.00	0.28	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-014

Lab Sample ID: 16K0839-14 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.35	
	2	0.00	0.00	0.00	0.30	14.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-017

Lab Sample ID: 16K0839-17 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.23	16.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-020

Lab Sample ID: 16K0839-20 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.32	
	2	0.00	0.00	0.00	0.27	15.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B163777-BS1 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.50	
	2	0.00	0.00	0.00	0.46	8
Aroclor-1260	1	0.00	0.00	0.00	0.47	
	2	0.00	0.00	0.00	0.51	8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B163777-BSD1 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.49	
	2	0.00	0.00	0.00	0.46	6
Aroclor-1260	1	0.00	0.00	0.00	0.50	
	2	0.00	0.00	0.00	0.47	6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B163779-BS1 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.60	
	2	0.00	0.00	0.00	0.62	3
Aroclor-1260	1	0.00	0.00	0.00	0.54	
	2	0.00	0.00	0.00	0.55	2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B163779-BSD1 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.56	
	2	0.00	0.00	0.00	0.46	19
Aroclor-1260	1	0.00	0.00	0.00	0.43	
	2	0.00	0.00	0.00	0.42	1

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

16K0839

Rev 04.05.12

39 Spruce Street
East longmeadow, MA 01028

Company Name: Fuss & O'Neill EnviroScience

Telephone:

Address: 146 Hartford Rd Manchester, CT

Project # 20151259.A2E

Client PO#

Attention: R. May, K. Rinard

Project Location: Kent Library - Wipe Samples

Sampled By: Kim Rinard

Project Proposal Provided? (for billing purposes) ○ yes ________ proposal date

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #
Email: ① ON FILE
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

# of Containers	1
** Preservation	O
***Container Code	G

ANALYSIS REQUESTED: EPA-8082 PCBs 3540C

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	EPA-8082 PCBs 3540C
01	KPL-001	11/14/16	1700			W	L	X
02	002	↓	1703			↓	↓	↓
03	003	↓	1706			↓	↓	↓
04	004	↓	1709			↓	↓	↓
05	005	↓	1716			↓	↓	↓
06	KPL-006	11/14/16	1718			W	L	X
07	007	↓	1720			↓	↓	↓
08	008	↓	1722			↓	↓	↓
09	009	↓	1735			↓	↓	↓
10	010	↓	1738			↓	↓	↓

Comments: Settled Dust Wipes - Day 1 Event

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other HEXANE

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other W = Hex Wipe

Relinquished/Received	Signature	Date/Time
Relinquished by: (signature)	[signature]	11/15/16 1500
Received by: (signature)	[signature]	11/15/16 1500
Relinquished by: (signature)	[signature]	11/15/16 5:45
Received by: (signature)	[signature] 4.3	11/15/16 1545

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: RL L ug/wipe

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID #

NELAC & AIHA-LAP, LLC Accredited

WBE/DBE Certified

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

CHAIN OF CUSTODY RECORD

16K0839

Rev 04.05.12

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Company Name: Fuss & O'Neill Enviro Science | Telephone

Address: 146 Hartford Rd, Manchester, CT | Project # 20151259.A2E

Client PO#

Attention: R. May, K. Rinard

Project Location: Kent Library - Wipe Samples

Sampled By: Kn Rinard

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #
Email:
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code
11	KPL-011	11/14/16	1741		W	L	
12	012		1745				
13	013		1800				
14	014		1802				
15	015		1804				
16	KPL-016	11/14/16	1806		W	L	
17	017		1820				
18	018		1823				
19	019		1825				
20	020		1827				

ANALYSIS REQUESTED

	# of Containers	** Preservation	***Container Code
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

EPA 8082 PCB 3540 C

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW = groundwater
WW = wastewater
DW = drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
K. Rinard	11/15/16 1505
Received by: (signature)	Date/Time:
	11/15/16 1505
Relinquished by: (signature)	Date/Time:
	11/15/16 15:45
Received by: (signature)	Date/Time:
	11/15/16 1545

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: RL & lug/wipe

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

16K0839

Rev 04.05.12

Page 3 of 3

Company Name: Fuss & O'Neill EnviroScience
Telephone:
Address: 146 Hartford Rd, Manchester, CT
Project #: 20151259. A2E
Client PO#:
Attention: R. May, K Rivard
Project Location:
Sampled By: Kim Rivard

Project Proposal Provided? (for billing purposes)
○ yes ______ proposal date

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #:
Email:
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection: Beginning Date/Time	Collection: Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	EPA 8082 PCB 3540C
							# of Containers	1
							** Preservation	O
							***Container Code	G
21	KPL-021	11/14/16	~~1830~~ Kan			W	L	X

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other ______

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other ______

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Signature	Date/Time
Relinquished by: (signature) [signature]	11/15/16 1500
Received by: (signature) [signature]	11/15/16 1500
Relinquished by: (signature) [signature]	11/15/16 1545
Received by: (signature) [signature] 4.3	11/15/16 1545

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other ______
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
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Detection Limit Requirements
Massachusetts:
Connecticut:
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East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Fuss + O'neill **RECEIVED BY:** JM **DATE:** 11/15/16

1) **Was the chain(s) of custody relinquished and signed?** **Yes** ✓ **No** ____ **No COC Incl.**

2) **Does the chain agree with the samples?** **Yes** ✓ **No** ____
If not, explain:

3) **Are all the samples in good condition?** **Yes** ✓ **No** ____
If not, explain:

4) **How were the samples received:**
On Ice ✓ Direct from Sampling ____ Ambient ____ In Cooler(s) ✓

Were the samples received in Temperature Compliance of (2-6°C)? **Yes** ✓ **No** ____ **N/A** ____

Temperature °C by Temp blank ____ Temperature °C by Temp gun 4.3

5) **Are there Dissolved samples for the lab to filter?** **Yes** ____ **No** ✓
Who was notified ____ Date ____ Time ____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** **Yes** ____ **No** ✓
Who was notified ____ Date ____ Time ____

7) **Location where samples are stored:** Login

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

8) **Do all samples have the proper Acid pH:** **Yes** ____ **No** ____ **N/A** ✓

9) **Do all samples have the proper Base pH:** **Yes** ____ **No** ____ **N/A** ✓

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** **Yes** ____ **N/A** ✓

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	21
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		SOC Kit	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

40 mL vials: # HCl ____ # Methanol ____ **Time and Date Frozen:**
Bisulfate ____ # DI Water ____
Thiosulfate ____ Unpreserved ____

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	N/A	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	N/A	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	N/A	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	N/A	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	N/A	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JM **Date/Time:** 11/15/16 1545

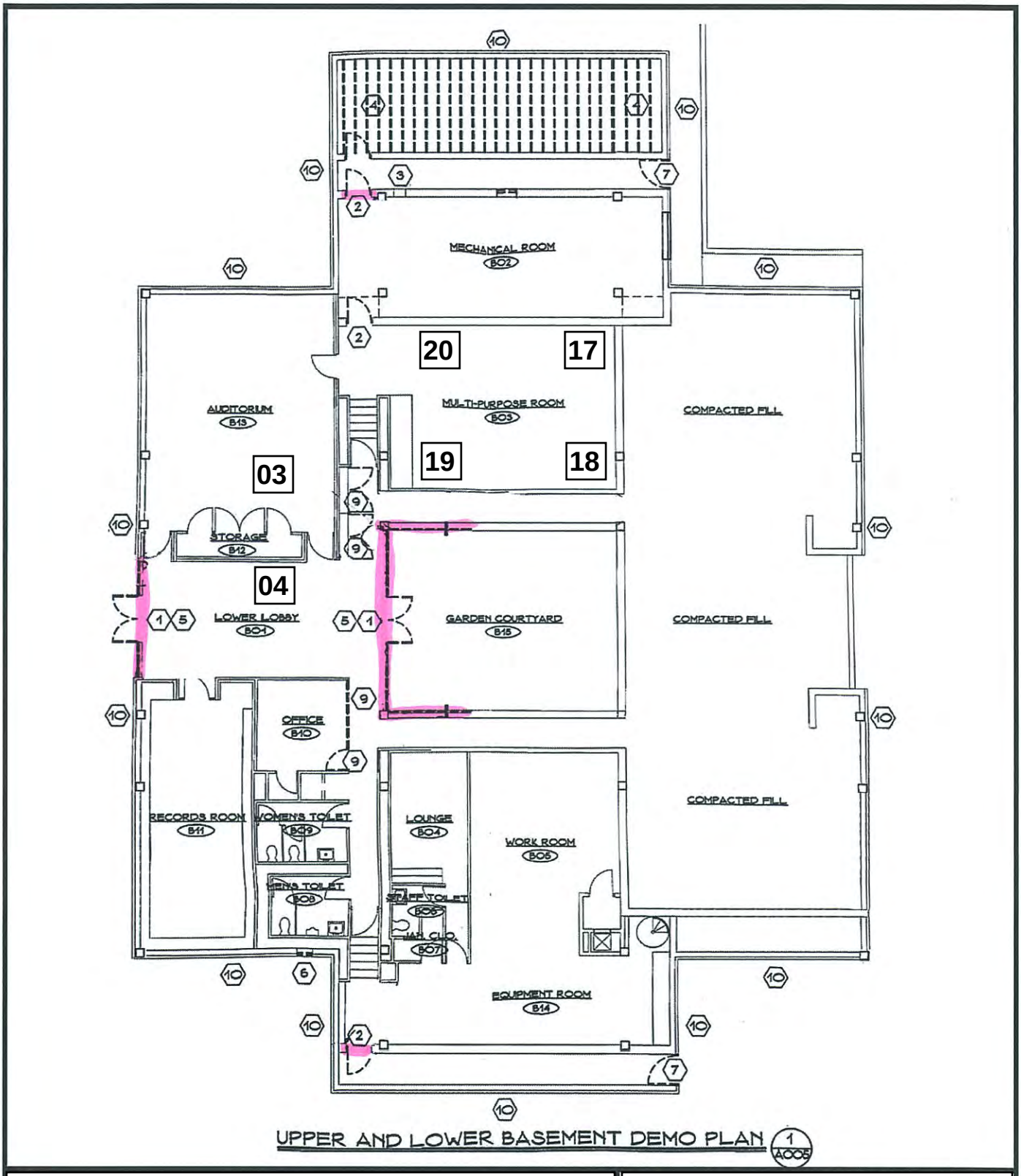

Figure 2-1 Indoor Settled Dust Wipe Sample Locations
Day 1 Indoor Settled Dust Sampling Event

28 Indoor Wipe Sample Location and Identifier

Boundary of Target Sample Location

FUSS & O'NEILL
EnviroScience, LLC

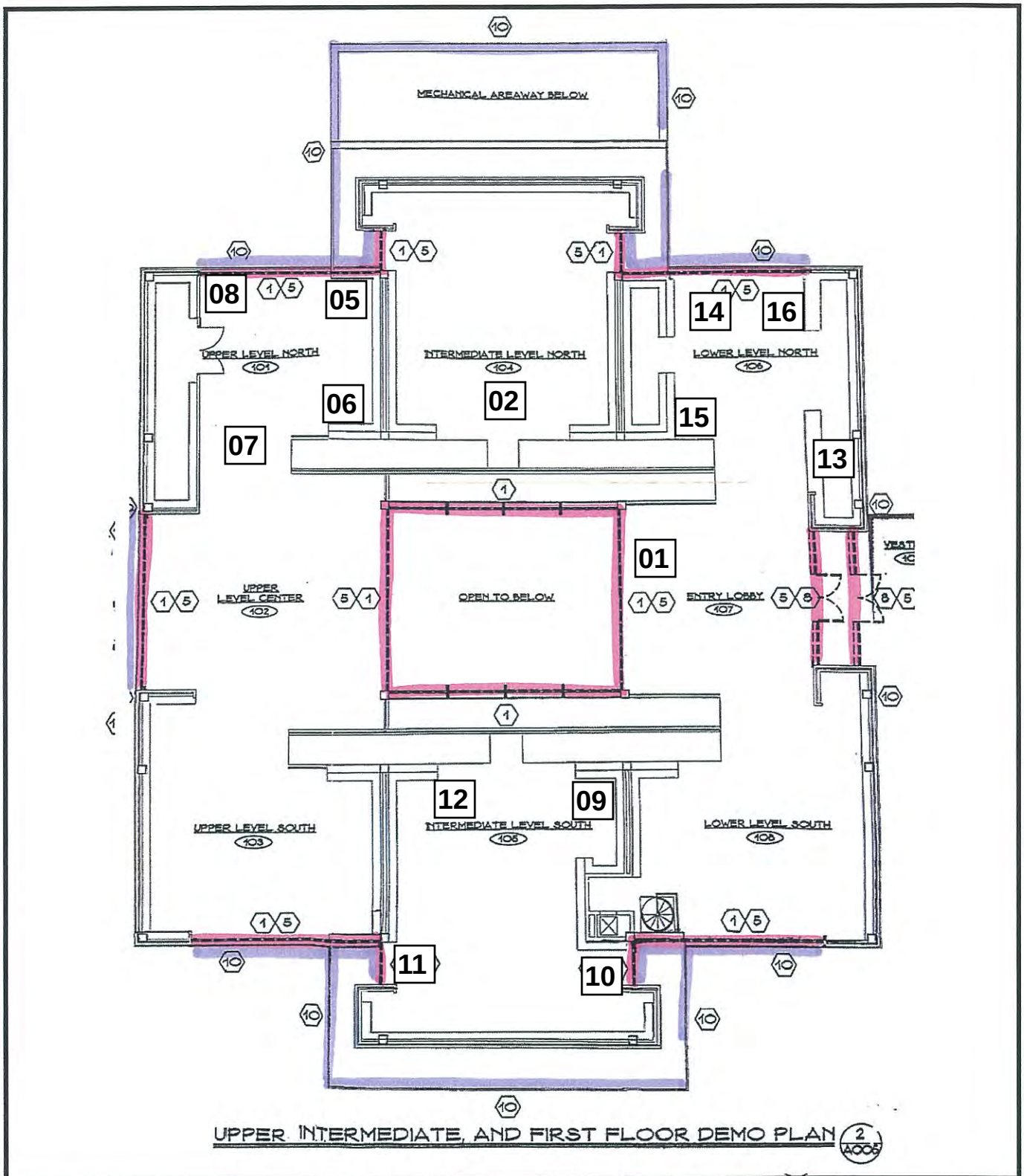

Figure 2-2 Indoor Settled Dust Wipe Sample Locations
Day 1 Indoor Settled Dust Sampling Event

28 Indoor Wipe Sample Location and Identifier

Boundary of Target Sample Location

FUSS & O'NEILL
EnviroScience, LLC

FUSS & O'NEILL
EnviroScience, LLC

Appendix G

Indoor Air Sampling Laboratory Results for Pilot Isolation Study, November 2016

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

November 29, 2016

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: Suffield Library-Indoor Air
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 16K0846

Enclosed are results of analyses for samples received by the laboratory on November 15, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

Table of Contents

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 11/29/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16K0846

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Suffield Library-Indoor Air

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
KPL-022	16K0846-01	Indoor air		TO-10A/EPA 680 Modified	
KPL-023	16K0846-02	Indoor air		TO-10A/EPA 680 Modified	
KPL-024	16K0846-03	Indoor air		TO-10A/EPA 680 Modified	
KPL-025	16K0846-04	Indoor air		TO-10A/EPA 680 Modified	
KPL-026	16K0846-05	Indoor air		TO-10A/EPA 680 Modified	
KPL-027	16K0846-06	Indoor air		TO-10A/EPA 680 Modified	
KPL-028	16K0846-07	Indoor air		TO-10A/EPA 680 Modified	

con-test® ANALYTICAL LABORATORY

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 11-29-16: The report has been revised to include the air volumes provided by the client on 11-29-16.

TO-10A/EPA 680 Modified

Qualifications:

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

16K0846-01[KPL-022], 16K0846-02[KPL-023], 16K0846-03[KPL-024], 16K0846-04[KPL-025], 16K0846-05[KPL-026], 16K0846-06[KPL-027], 16K0846-07[KPL-028], B163923-BLK1, B163923-BS1, B163923-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
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ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-022
Sample ID: 16K0846-01
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:39

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 0

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010				1	11/23/16 14:48	CJM
Dichlorobiphenyls	ND	0.0010				1	11/23/16 14:48	CJM
Trichlorobiphenyls	ND	0.0010				1	11/23/16 14:48	CJM
Tetrachlorobiphenyls	ND	0.0020				1	11/23/16 14:48	CJM
Pentachlorobiphenyls	ND	0.0020				1	11/23/16 14:48	CJM
Hexachlorobiphenyls	ND	0.0020				1	11/23/16 14:48	CJM
Heptachlorobiphenyls	ND	0.0030				1	11/23/16 14:48	CJM
Octachlorobiphenyls	ND	0.0030				1	11/23/16 14:48	CJM
Nonachlorobiphenyls	ND	0.0050				1	11/23/16 14:48	CJM
Decachlorobiphenyl	ND	0.0050	V-05			1	11/23/16 14:48	CJM
Total Polychlorinated biphenyls	0.0					1	11/23/16 14:48	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	97.8	50-125	11/23/16 14:48

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ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-023
Sample ID: 16K0846-02
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:44

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1275

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00078	1	11/23/16 15:26	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/23/16 15:26	CJM
Trichlorobiphenyls	0.0054	0.0010		0.0042	0.00078	1	11/23/16 15:26	CJM
Tetrachlorobiphenyls	0.16	0.0020		0.13	0.0016	1	11/23/16 15:26	CJM
Pentachlorobiphenyls	0.20	0.0020		0.16	0.0016	1	11/23/16 15:26	CJM
Hexachlorobiphenyls	0.020	0.0020		0.016	0.0016	1	11/23/16 15:26	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 15:26	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 15:26	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/23/16 15:26	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.0039	1	11/23/16 15:26	CJM
Total Polychlorinated biphenyls	0.38			0.30		1	11/23/16 15:26	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	80.4	50-125	11/23/16 15:26

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ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-024
Sample ID: 16K0846-03
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:41

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1248

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 16:03	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 16:03	CJM
Trichlorobiphenyls	0.010	0.0010		0.008	0.0008	1	11/23/16 16:03	CJM
Tetrachlorobiphenyls	0.18	0.0020		0.14	0.0016	1	11/23/16 16:03	CJM
Pentachlorobiphenyls	0.22	0.0020		0.18	0.0016	1	11/23/16 16:03	CJM
Hexachlorobiphenyls	0.021	0.0020		0.017	0.0016	1	11/23/16 16:03	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 16:03	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 16:03	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/23/16 16:03	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.004	1	11/23/16 16:03	CJM
Total Polychlorinated biphenyls	0.43			0.34		1	11/23/16 16:03	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.1	50-125	11/23/16 16:03

con-test® ANALYTICAL LABORATORY
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ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-025
Sample ID: 16K0846-04
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:53

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1287

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00078	1	11/23/16 16:41	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/23/16 16:41	CJM
Trichlorobiphenyls	0.0069	0.0010		0.0053	0.00078	1	11/23/16 16:41	CJM
Tetrachlorobiphenyls	0.18	0.0020		0.14	0.0016	1	11/23/16 16:41	CJM
Pentachlorobiphenyls	0.21	0.0020		0.16	0.0016	1	11/23/16 16:41	CJM
Hexachlorobiphenyls	0.021	0.0020		0.016	0.0016	1	11/23/16 16:41	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/23/16 16:41	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/23/16 16:41	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/23/16 16:41	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.0039	1	11/23/16 16:41	CJM
Total Polychlorinated biphenyls	0.41			0.32		1	11/23/16 16:41	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	92.9	50-125	11/23/16 16:41

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ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-026
Sample ID: 16K0846-05
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:48

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1256

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:18	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:18	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:18	CJM
Tetrachlorobiphenyls	0.023	0.0020		0.018	0.0016	1	11/23/16 17:18	CJM
Pentachlorobiphenyls	0.025	0.0020		0.020	0.0016	1	11/23/16 17:18	CJM
Hexachlorobiphenyls	0.0029	0.0020		0.0023	0.0016	1	11/23/16 17:18	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 17:18	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 17:18	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/23/16 17:18	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.004	1	11/23/16 17:18	CJM
Total Polychlorinated biphenyls	0.051			0.041		1	11/23/16 17:18	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	93.7	50-125	11/23/16 17:18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-027
Sample ID: 16K0846-06
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:46

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1244

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:56	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:56	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:56	CJM
Tetrachlorobiphenyls	0.029	0.0020		0.023	0.0016	1	11/23/16 17:56	CJM
Pentachlorobiphenyls	0.025	0.0020		0.020	0.0016	1	11/23/16 17:56	CJM
Hexachlorobiphenyls	0.0022	0.0020		0.0018	0.0016	1	11/23/16 17:56	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 17:56	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 17:56	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/23/16 17:56	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.004	1	11/23/16 17:56	CJM
Total Polychlorinated biphenyls	0.056			0.045		1	11/23/16 17:56	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.7	50-125	11/23/16 17:56

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-028
Sample ID: 16K0846-07
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:51

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1252

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 18:33	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 18:33	CJM
Trichlorobiphenyls	0.0040	0.0010		0.0032	0.0008	1	11/23/16 18:33	CJM
Tetrachlorobiphenyls	0.11	0.0020		0.084	0.0016	1	11/23/16 18:33	CJM
Pentachlorobiphenyls	0.14	0.0020		0.11	0.0016	1	11/23/16 18:33	CJM
Hexachlorobiphenyls	0.016	0.0020		0.012	0.0016	1	11/23/16 18:33	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 18:33	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 18:33	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/23/16 18:33	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.004	1	11/23/16 18:33	CJM
Total Polychlorinated biphenyls	0.27			0.21		1	11/23/16 18:33	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	79.6	50-125	11/23/16 18:33

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Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
16K0846-01 [KPL-022]	B163923	1.00	1.00	11/21/16
16K0846-02 [KPL-023]	B163923	1.00	1.00	11/21/16
16K0846-03 [KPL-024]	B163923	1.00	1.00	11/21/16
16K0846-04 [KPL-025]	B163923	1.00	1.00	11/21/16
16K0846-05 [KPL-026]	B163923	1.00	1.00	11/21/16
16K0846-06 [KPL-027]	B163923	1.00	1.00	11/21/16
16K0846-07 [KPL-028]	B163923	1.00	1.00	11/21/16

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B163923 - SW-846 3540C											
Blank (B163923-BLK1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									V-05
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.182*				*0.200*		*90.9*	*50-125*			
LCS (B163923-BS1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	0.18	0.0010			0.200		91.9	40-140			
Dichlorobiphenyls	0.17	0.0010			0.200		82.9	40-140			
Trichlorobiphenyls	0.16	0.0010			0.200		82.0	40-140			
Tetrachlorobiphenyls	0.35	0.0020			0.400		87.7	40-140			
Pentachlorobiphenyls	0.41	0.0020			0.400		104	40-140			
Hexachlorobiphenyls	0.36	0.0020			0.400		89.3	40-140			
Heptachlorobiphenyls	0.54	0.0030			0.600		89.9	40-140			
Octachlorobiphenyls	0.56	0.0030			0.600		93.7	40-140			
Nonachlorobiphenyls	0.80	0.0050			1.00		80.1	40-140			
Decachlorobiphenyl	0.65	0.0050			1.00		65.2	40-140			V-05
Surrogate: Tetrachloro-m-xylene	*0.191*				*0.200*		*95.5*	*50-125*			
LCS Dup (B163923-BSD1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	0.19	0.0010			0.200		94.8	40-140	3.11	50	
Dichlorobiphenyls	0.18	0.0010			0.200		89.8	40-140	7.92	50	
Trichlorobiphenyls	0.18	0.0010			0.200		90.6	40-140	9.91	50	
Tetrachlorobiphenyls	0.39	0.0020			0.400		96.5	40-140	9.55	50	
Pentachlorobiphenyls	0.46	0.0020			0.400		114	40-140	9.56	50	
Hexachlorobiphenyls	0.39	0.0020			0.400		98.7	40-140	10.0	50	
Heptachlorobiphenyls	0.59	0.0030			0.600		98.8	40-140	9.40	50	
Octachlorobiphenyls	0.62	0.0030			0.600		103	40-140	9.35	50	
Nonachlorobiphenyls	0.87	0.0050			1.00		86.8	40-140	8.12	50	
Decachlorobiphenyl	0.70	0.0050			1.00		69.8	40-140	6.80	50	V-05
Surrogate: Tetrachloro-m-xylene	*0.189*				*0.200*		*94.5*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
TO-10A/EPA 680 Modified in Air	
Total Polychlorinated biphenyls	AIHA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

CHAIN OF CUSTODY RECORD

16K0846

Rev 04.05.12

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Company Name: Fuss & O'Neill
Telephone:
Address: 146 Hartford Rd Manchester, CT
Project # 20151259.A2E
Client PO#
Attention: R. May, K. Rinard
Project Location: Suffield Library - Indoor Arts
Sampled By: K. Rinard

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #
Email: on file
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers (TPH-10A PCBs)	** Preservation	***Container Code
01	KPL-022	1315	1839			AVF		X		
02	023	1317	1844					X		
03	024	1321	1841					X		
04	025	1323	1853					X		
05	KPL-026	1326	1848			AVF		X		
06	027	1327	1846					X		
07	028	1330	1851					X		

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments: CONTACT: R. MAY for applicable RL's. Thanks

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	11/15/16 1500
Received by: (signature)	Date/Time:
	11/15/16 1500
Relinquished by: (signature)	Date/Time:
	11/15/16 15:45
Received by: (signature) 4.3°C	Date/Time:
	11/15/16 1545

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
(*) SEE COMMENTS
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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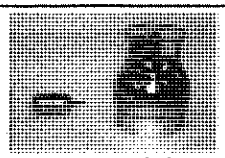

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AIR Only Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME Foss & O'Neill RECEIVED BY: BLF DATE: 11/15/10

1) Was the chain(s) of custody relinquished and signed? Yes X No ____

2) Does the chain agree with the samples? Yes X No ____
If not, explain:

3) Are all the samples in good condition? Yes X No ____
If not, explain:

4) Are there any samples "On Hold"? Yes ____ No X Stored where: ____

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes ____ No X
Who was notified ____ Date ____ Time ____

6) Location where samples are stored: walkin

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

7) Number of cans Individually Certified or Batch Certified? none

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)			
Tedlar Bags			
TO-17 Tubes			
Regulators			
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009)			
(TO-4A/ TO-10A/TO-13) PUFs		7	low volume
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

1101116-01 1101116-03 1101116-05 1101116-08
1101116-02 1101116-04 1101116-09

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	T	

Who notified of False statements? **Date/Time:**

Doc #278 Rev. 5 October 2014 **Log-In Technician Initials:** **Date/Time:**

RLF 11/15/16 1945

Steven Case

From: Robert May [RMay@fando.com]
Sent: Wednesday, November 16, 2016 9:39 AM
To: Steven Case
Subject: RE: RL's for TO-10A PCB

We are looking for homologs. Want a reporting limit of between 0.001 - 0.005ug/m3. Should be possible with the volumes at or above 1000 liters.

Robert L. May, Jr.
President
Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040
860.646.2469 x4701 | rmay@fando.com | cell: 617.778.3768
www.fando.com | twitter | facebook | linkedin

From: Steven Case [mailto:steven.case@contestlabs.com]
Sent: Wednesday, November 16, 2016 8:57 AM
To: Robert May
Subject: RL's for TO-10A PCB

Hi Bob,

COC says to contact you for RL's , please let me know what you would like.

Also the chain notes TO-10A PCB's , did you want the Aroclor's reported or the Homologs? I have attached both methods information.

Thank you,

Steven Case
Project Manager
Con-Test Analytical Laboratory
39 Spruce Street, East Longmeadow, MA 01028
Phone: (413) 525-2332 | Email: steven.case@contestlabs.com

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

PCBs in Air (TO-10A) Chain of Custody Form

Project Name: Kent Memorial Library Suffield, CT Project No. 20151259.A2E Date: 11/14/2016

Site Address: 50 North Main Street Suffield, CT Building Name/Number: Kent Memorial Library Project Manager: R May

Sample ID	Sample Location	Flow Rate (LPM)[1]			Time		Total Time (Min)	Total Volume (Liters)	Ave Temp (ºF)
		Start	End	Ave	Start	End			
KPL-022	Field Blank	n/a	n/a	n/a	13:15	18:39	324		69
KPL-023	Lower Level North – Ambient	3.9	3.9	3.9	13:17	18:44	327	1275	69
KPL-024	Intermediate Level South – Ambient	3.9	3.9	3.9	13:21	18:41	320	1248	69
KPL-025	Upper Level North – Ambient	3.9	3.9	3.9	13:23	18:53	330	1287	69
KPL-026	Upper Lobby – Ambient	3.9	3.9	3.9	13:26	18:48	322	1256	69
KPL-027	Multipurpose Room – Ambient	3.9	3.9	3.9	13:27	18:46	319	1244	69
KPL-028	Auditorium – Ambient	3.9	3.9	3.9	13:30	18:51	321	1252	69

Analysis Method: TO-10 A **PCB Homologs** Laboratory: Avg Barometric Pressure (in HG): 29.925 Avg Ambient Temp (ºF): 68

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

E-Mail PDF of Results to RMay@fando.com **AND** KRinard@fando.com

Turnaround Time: 7 days
(72-Hour is Fastest Possible)

Special Instruction/Comments: Indoor Air Samples collected with PUF cartridges.

Samples Collected By: K Rinard / P Bateman **Contact Info:** **Date:** **Time:**

Relinquished [By][To] [ ][ ] Date: Time:

Relinquished [By][To] [ ][ ] Date: Time:

Relinquished [By][To] [ ][ ] Date: Time:

[1] Adjusted flow rates measured with low-flow rotameter F&O # 101839, calibrated 2/11/2016. Calibration unit (Gillian Challenger) delivered by US Environmental malfunctioning at time of sampling event.

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November 30, 2016

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: Kent Public Library
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 16K1056

Enclosed are results of analyses for samples received by the laboratory on November 17, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Steven M. Case
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 11/30/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16K1056

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Public Library

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
KPL-029	16K1056-01	Indoor air	ceiling	TO-10A/EPA 680 Modified	
KPL-030	16K1056-02	Indoor air	floor	TO-10A/EPA 680 Modified	
KPL-031	16K1056-03	Indoor air	amb	TO-10A/EPA 680 Modified	
KPL-032	16K1056-04	Indoor air	e. wall	TO-10A/EPA 680 Modified	
KPL-033	16K1056-05	Indoor air	s. wall	TO-10A/EPA 680 Modified	
KPL-034	16K1056-06	Indoor air	w. wall	TO-10A/EPA 680 Modified	
KPL-035	16K1056-07	Indoor air	floor	TO-10A/EPA 680 Modified	
KPL-036	16K1056-08	Indoor air	amb	TO-10A/EPA 680 Modified	
KPL-037	16K1056-09	Indoor air	ceiling	TO-10A/EPA 680 Modified	
KPL-038	16K1056-10	Indoor air	e. wall	TO-10A/EPA 680 Modified	
KPL-039	16K1056-11	Indoor air	amb-audit	TO-10A/EPA 680 Modified	
KPL-040	16K1056-12	Indoor air	FA vent	TO-10A/EPA 680 Modified	
KPL-041	16K1056-13	Indoor air	n. wall	TO-10A/EPA 680 Modified	
KPL-042	16K1056-14	Indoor air	celing	TO-10A/EPA 680 Modified	
KPL-043	16K1056-15	Indoor air	s. wall	TO-10A/EPA 680 Modified	
KPL-044	16K1056-16	Indoor air	floor	TO-10A/EPA 680 Modified	
KPL-045	16K1056-17	Indoor air	amb	TO-10A/EPA 680 Modified	
KPL-046	16K1056-18	Indoor air	blank	TO-10A/EPA 680 Modified	
KPL-047	16K1056-19	Indoor air	lobby-amb	TO-10A/EPA 680 Modified	
KPL-048	16K1056-20	Indoor air	wall	TO-10A/EPA 680 Modified	
KPL-049	16K1056-21	Indoor air	ceiling	TO-10A/EPA 680 Modified	
KPL-050 DUPL	16K1056-22	Indoor air	ceiling	TO-10A/EPA 680 Modified	
KPL-051	16K1056-23	Indoor air	amb	TO-10A/EPA 680 Modified	
KPL-052	16K1056-24	Indoor air	floor	TO-10A/EPA 680 Modified	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 11/30/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16K1056

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Public Library

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
KPL-053	16K1056-25	Indoor air	wall	TO-10A/EPA 680 Modified	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

TO-10A/EPA 680 Modified

Qualifications:

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

B163923-BLK1, B163923-BS1, B163923-BSD1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Monochlorobiphenyls

B164061-BS1, B164061-BSD1

Octachlorobiphenyls

B164061-BS1, B164061-BSD1

Pentachlorobiphenyls

16K1056-05[KPL-033], 16K1056-06[KPL-034], 16K1056-07[KPL-035], 16K1056-08[KPL-036], 16K1056-09[KPL-037], 16K1056-10[KPL-038], 16K1056-11[KPL-039], 16K1056-12[KPL-040], 16K1056-13[KPL-041], 16K1056-14[KPL-042], 16K1056-15[KPL-043], 16K1056-16[KPL-044], 16K1056-17[KPL-045], 16K1056-19[KPL-047]

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Monochlorobiphenyls

16K1056-01[KPL-029], 16K1056-02[KPL-030], 16K1056-03[KPL-031], 16K1056-04[KPL-032], 16K1056-05[KPL-033], 16K1056-06[KPL-034], 16K1056-07[KPL-035], 16K1056-08[KPL-036], 16K1056-09[KPL-037], 16K1056-10[KPL-038], 16K1056-11[KPL-039], 16K1056-12[KPL-040], 16K1056-13[KPL-041], 16K1056-14[KPL-042], 16K1056-15[KPL-043], 16K1056-16[KPL-044], 16K1056-17[KPL-045], 16K1056-18[KPL-046], 16K1056-19[KPL-047], 16K1056-20[KPL-048], 16K1056-21[KPL-049], 16K1056-22[KPL-050 DUPL], 16K1056-23[KPL-051], 16K1056-24[KPL-052], 16K1056-25[KPL-053]

Octachlorobiphenyls

16K1056-01[KPL-029], 16K1056-02[KPL-030], 16K1056-03[KPL-031], 16K1056-04[KPL-032], 16K1056-20[KPL-048], 16K1056-21[KPL-049], 16K1056-22[KPL-050 DUPL], 16K1056-23[KPL-051], 16K1056-24[KPL-052], 16K1056-25[KPL-053]

Pentachlorobiphenyls

16K1056-18[KPL-046]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-029
Sample ID: 16K1056-01
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:42

Sample Description/Location: ceiling
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1278

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00078	1	11/29/16 19:55	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/29/16 19:55	CJM
Trichlorobiphenyls	0.0018	0.0010		0.0014	0.00078	1	11/29/16 19:55	CJM
Tetrachlorobiphenyls	0.084	0.0020		0.065	0.0016	1	11/29/16 19:55	CJM
Pentachlorobiphenyls	0.098	0.0020		0.077	0.0016	1	11/29/16 19:55	CJM
Hexachlorobiphenyls	0.0098	0.0020		0.0077	0.0016	1	11/29/16 19:55	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 19:55	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 19:55	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 19:55	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 19:55	CJM
Total Polychlorinated biphenyls	0.19			0.15		1	11/29/16 19:55	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	89.9	50-125	11/29/16 19:55

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-030
Sample ID: 16K1056-02
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:43

Sample Description/Location: floor
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1270

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00079	1	11/29/16 20:33	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00079	1	11/29/16 20:33	CJM
Trichlorobiphenyls	0.0018	0.0010		0.0014	0.00079	1	11/29/16 20:33	CJM
Tetrachlorobiphenyls	0.066	0.0020		0.052	0.0016	1	11/29/16 20:33	CJM
Pentachlorobiphenyls	0.052	0.0020		0.041	0.0016	1	11/29/16 20:33	CJM
Hexachlorobiphenyls	0.0064	0.0020		0.005	0.0016	1	11/29/16 20:33	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 20:33	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0024	1	11/29/16 20:33	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 20:33	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 20:33	CJM
Total Polychlorinated biphenyls	0.13			0.099		1	11/29/16 20:33	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	94.5	50-125	11/29/16 20:33

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-031
Sample ID: 16K1056-03
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:44

Sample Description/Location: amb
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1333

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00075	1	11/29/16 21:10	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00075	1	11/29/16 21:10	CJM
Trichlorobiphenyls	0.0022	0.0010		0.0016	0.00075	1	11/29/16 21:10	CJM
Tetrachlorobiphenyls	0.098	0.0020		0.073	0.0015	1	11/29/16 21:10	CJM
Pentachlorobiphenyls	0.13	0.0020		0.096	0.0015	1	11/29/16 21:10	CJM
Hexachlorobiphenyls	0.013	0.0020		0.0099	0.0015	1	11/29/16 21:10	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 21:10	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 21:10	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	11/29/16 21:10	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	11/29/16 21:10	CJM
Total Polychlorinated biphenyls	0.24			0.18		1	11/29/16 21:10	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	100	50-125	11/29/16 21:10

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-032
Sample ID: 16K1056-04
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:45

Sample Description/Location: e. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1505

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00066	1	11/29/16 21:48	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00066	1	11/29/16 21:48	CJM
Trichlorobiphenyls	0.0043	0.0010		0.0028	0.00066	1	11/29/16 21:48	CJM
Tetrachlorobiphenyls	0.13	0.0020		0.083	0.0013	1	11/29/16 21:48	CJM
Pentachlorobiphenyls	0.16	0.0020		0.11	0.0013	1	11/29/16 21:48	CJM
Hexachlorobiphenyls	0.016	0.0020		0.010	0.0013	1	11/29/16 21:48	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.002	1	11/29/16 21:48	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.002	1	11/29/16 21:48	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0033	1	11/29/16 21:48	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0033	1	11/29/16 21:48	CJM
Total Polychlorinated biphenyls	0.31			0.20		1	11/29/16 21:48	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	94.2	50-125	11/29/16 21:48

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-033
Sample ID: 16K1056-05
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:26

Sample Description/Location: s. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1237

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00081	1	11/28/16 23:17	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00081	1	11/28/16 23:17	CJM
Trichlorobiphenyls	0.0034	0.0010		0.0027	0.00081	1	11/28/16 23:17	CJM
Tetrachlorobiphenyls	0.098	0.0020		0.079	0.0016	1	11/28/16 23:17	CJM
Pentachlorobiphenyls	0.12	0.0020	V-06	0.100	0.0016	1	11/28/16 23:17	CJM
Hexachlorobiphenyls	0.012	0.0020		0.0099	0.0016	1	11/28/16 23:17	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/28/16 23:17	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/28/16 23:17	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/28/16 23:17	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	11/28/16 23:17	CJM
Total Polychlorinated biphenyls	0.24			0.19		1	11/28/16 23:17	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	85.2	50-125	11/28/16 23:17

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-034
Sample ID: 16K1056-06
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:50

Sample Description/Location: w. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1353

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00074	1	11/28/16 23:54	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00074	1	11/28/16 23:54	CJM
Trichlorobiphenyls	0.0053	0.0010		0.0039	0.00074	1	11/28/16 23:54	CJM
Tetrachlorobiphenyls	0.088	0.0020		0.065	0.0015	1	11/28/16 23:54	CJM
Pentachlorobiphenyls	0.11	0.0020	V-06	0.081	0.0015	1	11/28/16 23:54	CJM
Hexachlorobiphenyls	0.0097	0.0020		0.0071	0.0015	1	11/28/16 23:54	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/28/16 23:54	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/28/16 23:54	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	11/28/16 23:54	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	11/28/16 23:54	CJM
Total Polychlorinated biphenyls	0.21			0.16		1	11/28/16 23:54	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	73.5	50-125	11/28/16 23:54

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-035
Sample ID: 16K1056-07
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:54

Sample Description/Location: floor
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1292

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00077	1	11/29/16 0:32	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00077	1	11/29/16 0:32	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00077	1	11/29/16 0:32	CJM
Tetrachlorobiphenyls	0.0071	0.0020		0.0055	0.0015	1	11/29/16 0:32	CJM
Pentachlorobiphenyls	0.0077	0.0020	V-06	0.006	0.0015	1	11/29/16 0:32	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	11/29/16 0:32	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 0:32	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 0:32	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 0:32	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 0:32	CJM
Total Polychlorinated biphenyls	0.015			0.011		1	11/29/16 0:32	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	65.2	50-125	11/29/16 0:32

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-036
Sample ID: 16K1056-08
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:54

Sample Description/Location: amb
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1340

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00075	1	11/29/16 1:09	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00075	1	11/29/16 1:09	CJM
Trichlorobiphenyls	0.0033	0.0010		0.0025	0.00075	1	11/29/16 1:09	CJM
Tetrachlorobiphenyls	0.093	0.0020		0.070	0.0015	1	11/29/16 1:09	CJM
Pentachlorobiphenyls	0.12	0.0020	V-06	0.088	0.0015	1	11/29/16 1:09	CJM
Hexachlorobiphenyls	0.012	0.0020		0.0086	0.0015	1	11/29/16 1:09	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 1:09	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 1:09	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	11/29/16 1:09	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	11/29/16 1:09	CJM
Total Polychlorinated biphenyls	0.23			0.17		1	11/29/16 1:09	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.6	50-125	11/29/16 1:09

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-037
Sample ID: 16K1056-09
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:55

Sample Description/Location: ceiling
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1381

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00072	1	11/29/16 1:47	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00072	1	11/29/16 1:47	CJM
Trichlorobiphenyls	0.0058	0.0010		0.0042	0.00072	1	11/29/16 1:47	CJM
Tetrachlorobiphenyls	0.12	0.0020		0.083	0.0014	1	11/29/16 1:47	CJM
Pentachlorobiphenyls	0.086	0.0020	V-06	0.062	0.0014	1	11/29/16 1:47	CJM
Hexachlorobiphenyls	0.0098	0.0020		0.0071	0.0014	1	11/29/16 1:47	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 1:47	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 1:47	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0036	1	11/29/16 1:47	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0036	1	11/29/16 1:47	CJM
Total Polychlorinated biphenyls	0.22			0.16		1	11/29/16 1:47	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.3	50-125	11/29/16 1:47

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-038
Sample ID: 16K1056-10
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:56

Sample Description/Location: e. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1356

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00074	1	11/29/16 2:24	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00074	1	11/29/16 2:24	CJM
Trichlorobiphenyls	0.0036	0.0010		0.0027	0.00074	1	11/29/16 2:24	CJM
Tetrachlorobiphenyls	0.080	0.0020		0.059	0.0015	1	11/29/16 2:24	CJM
Pentachlorobiphenyls	0.10	0.0020	V-06	0.074	0.0015	1	11/29/16 2:24	CJM
Hexachlorobiphenyls	0.0096	0.0020		0.0071	0.0015	1	11/29/16 2:24	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 2:24	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 2:24	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	11/29/16 2:24	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	11/29/16 2:24	CJM
Total Polychlorinated biphenyls	0.19			0.14		1	11/29/16 2:24	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	66.8	50-125	11/29/16 2:24

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-039
Sample ID: 16K1056-11
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:26

Sample Description/Location: amb-audit
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1573

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00064	1	11/29/16 3:02	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00064	1	11/29/16 3:02	CJM
Trichlorobiphenyls	0.0054	0.0010		0.0035	0.00064	1	11/29/16 3:02	CJM
Tetrachlorobiphenyls	0.18	0.0020		0.11	0.0013	1	11/29/16 3:02	CJM
Pentachlorobiphenyls	0.24	0.0020	V-06	0.15	0.0013	1	11/29/16 3:02	CJM
Hexachlorobiphenyls	0.027	0.0020		0.017	0.0013	1	11/29/16 3:02	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/29/16 3:02	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/29/16 3:02	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0032	1	11/29/16 3:02	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0032	1	11/29/16 3:02	CJM
Total Polychlorinated biphenyls	0.45			0.28		1	11/29/16 3:02	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	73.4	50-125	11/29/16 3:02

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-040
Sample ID: 16K1056-12
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:27

Sample Description/Location: FA vent
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1555

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00064	1	11/29/16 3:39	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00064	1	11/29/16 3:39	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00064	1	11/29/16 3:39	CJM
Tetrachlorobiphenyls	0.014	0.0020		0.0093	0.0013	1	11/29/16 3:39	CJM
Pentachlorobiphenyls	0.012	0.0020	V-06	0.0074	0.0013	1	11/29/16 3:39	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0013	1	11/29/16 3:39	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/29/16 3:39	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/29/16 3:39	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0032	1	11/29/16 3:39	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0032	1	11/29/16 3:39	CJM
Total Polychlorinated biphenyls	0.026			0.017		1	11/29/16 3:39	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.1	50-125	11/29/16 3:39

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-041
Sample ID: 16K1056-13
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:01

Sample Description/Location: n. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1250

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	11/29/16 4:17	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/29/16 4:17	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/29/16 4:17	CJM
Tetrachlorobiphenyls	0.033	0.0020		0.026	0.0016	1	11/29/16 4:17	CJM
Pentachlorobiphenyls	0.022	0.0020	V-06	0.017	0.0016	1	11/29/16 4:17	CJM
Hexachlorobiphenyls	0.0021	0.0020		0.0017	0.0016	1	11/29/16 4:17	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 4:17	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 4:17	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/29/16 4:17	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	11/29/16 4:17	CJM
Total Polychlorinated biphenyls	0.057			0.045		1	11/29/16 4:17	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	77.6	50-125	11/29/16 4:17

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-042
Sample ID: 16K1056-14
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:46

Sample Description/Location: celing
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1460

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00068	1	11/29/16 4:54	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00068	1	11/29/16 4:54	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00068	1	11/29/16 4:54	CJM
Tetrachlorobiphenyls	0.11	0.0020		0.073	0.0014	1	11/29/16 4:54	CJM
Pentachlorobiphenyls	0.13	0.0020	V-06	0.088	0.0014	1	11/29/16 4:54	CJM
Hexachlorobiphenyls	0.011	0.0020		0.0079	0.0014	1	11/29/16 4:54	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0021	1	11/29/16 4:54	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0021	1	11/29/16 4:54	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0034	1	11/29/16 4:54	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0034	1	11/29/16 4:54	CJM
Total Polychlorinated biphenyls	0.25			0.17		1	11/29/16 4:54	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	73.2	50-125	11/29/16 4:54

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-043
Sample ID: 16K1056-15
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:03

Sample Description/Location: s. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1274

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00078	1	11/29/16 5:32	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/29/16 5:32	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/29/16 5:32	CJM
Tetrachlorobiphenyls	0.045	0.0020		0.036	0.0016	1	11/29/16 5:32	CJM
Pentachlorobiphenyls	0.034	0.0020	V-06	0.027	0.0016	1	11/29/16 5:32	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0016	1	11/29/16 5:32	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 5:32	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 5:32	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 5:32	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 5:32	CJM
Total Polychlorinated biphenyls	0.080			0.062		1	11/29/16 5:32	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	84.1	50-125	11/29/16 5:32

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-044
Sample ID: 16K1056-16
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:05

Sample Description/Location: floor
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1262

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00079	1	11/29/16 6:09	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00079	1	11/29/16 6:09	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00079	1	11/29/16 6:09	CJM
Tetrachlorobiphenyls	0.059	0.0020		0.047	0.0016	1	11/29/16 6:09	CJM
Pentachlorobiphenyls	0.058	0.0020	V-06	0.046	0.0016	1	11/29/16 6:09	CJM
Hexachlorobiphenyls	0.0030	0.0020		0.0024	0.0016	1	11/29/16 6:09	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 6:09	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 6:09	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/29/16 6:09	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	11/29/16 6:09	CJM
Total Polychlorinated biphenyls	0.12			0.095		1	11/29/16 6:09	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	83.1	50-125	11/29/16 6:09

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-045
Sample ID: 16K1056-17
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:05

Sample Description/Location: amb
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1270

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00079	1	11/29/16 6:47	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00079	1	11/29/16 6:47	CJM
Trichlorobiphenyls	0.0034	0.0010		0.0026	0.00079	1	11/29/16 6:47	CJM
Tetrachlorobiphenyls	0.097	0.0020		0.077	0.0016	1	11/29/16 6:47	CJM
Pentachlorobiphenyls	0.13	0.0020	V-06	0.10	0.0016	1	11/29/16 6:47	CJM
Hexachlorobiphenyls	0.015	0.0020		0.012	0.0016	1	11/29/16 6:47	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 6:47	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 6:47	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 6:47	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 6:47	CJM
Total Polychlorinated biphenyls	0.25			0.19		1	11/29/16 6:47	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	82.4	50-125	11/29/16 6:47

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-046
Sample ID: 16K1056-18
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:50

Sample Description/Location: blank
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	1	11/29/16 7:24	CJM
Dichlorobiphenyls	ND	0.0010		1	11/29/16 7:24	CJM
Trichlorobiphenyls	ND	0.0010		1	11/29/16 7:24	CJM
Tetrachlorobiphenyls	ND	0.0020		1	11/29/16 7:24	CJM
Pentachlorobiphenyls	ND	0.0020	V-20	1	11/29/16 7:24	CJM
Hexachlorobiphenyls	ND	0.0020		1	11/29/16 7:24	CJM
Heptachlorobiphenyls	ND	0.0030		1	11/29/16 7:24	CJM
Octachlorobiphenyls	ND	0.0030		1	11/29/16 7:24	CJM
Nonachlorobiphenyls	ND	0.0050		1	11/29/16 7:24	CJM
Decachlorobiphenyl	ND	0.0050		1	11/29/16 7:24	CJM
Total Polychlorinated biphenyls	0.0			1	11/29/16 7:24	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	94.2	50-125	11/29/16 7:24

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-047
Sample ID: 16K1056-19
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:24

Sample Description/Location: lobby-amb
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1521

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00066	1	11/29/16 8:02	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00066	1	11/29/16 8:02	CJM
Trichlorobiphenyls	0.0053	0.0010		0.0035	0.00066	1	11/29/16 8:02	CJM
Tetrachlorobiphenyls	0.18	0.0020		0.12	0.0013	1	11/29/16 8:02	CJM
Pentachlorobiphenyls	0.24	0.0020	V-06	0.16	0.0013	1	11/29/16 8:02	CJM
Hexachlorobiphenyls	0.025	0.0020		0.016	0.0013	1	11/29/16 8:02	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.002	1	11/29/16 8:02	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.002	1	11/29/16 8:02	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0033	1	11/29/16 8:02	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0033	1	11/29/16 8:02	CJM
Total Polychlorinated biphenyls	0.45			0.30		1	11/29/16 8:02	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	88.8	50-125	11/29/16 8:02

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-048
Sample ID: 16K1056-20
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:12

Sample Description/Location: wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1293

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00077	1	11/29/16 11:47	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00077	1	11/29/16 11:47	CJM
Trichlorobiphenyls	0.0052	0.0010		0.004	0.00077	1	11/29/16 11:47	CJM
Tetrachlorobiphenyls	0.14	0.0020		0.11	0.0015	1	11/29/16 11:47	CJM
Pentachlorobiphenyls	0.20	0.0020		0.15	0.0015	1	11/29/16 11:47	CJM
Hexachlorobiphenyls	0.021	0.0020		0.016	0.0015	1	11/29/16 11:47	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 11:47	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 11:47	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 11:47	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 11:47	CJM
Total Polychlorinated biphenyls	0.36			0.28		1	11/29/16 11:47	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.6	50-125	11/29/16 11:47

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-049
Sample ID: 16K1056-21
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:19

Sample Description/Location: ceiling
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1332

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00075	1	11/29/16 14:55	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00075	1	11/29/16 14:55	CJM
Trichlorobiphenyls	0.0039	0.0010		0.0029	0.00075	1	11/29/16 14:55	CJM
Tetrachlorobiphenyls	0.091	0.0020		0.068	0.0015	1	11/29/16 14:55	CJM
Pentachlorobiphenyls	0.050	0.0020		0.038	0.0015	1	11/29/16 14:55	CJM
Hexachlorobiphenyls	0.0044	0.0020		0.0033	0.0015	1	11/29/16 14:55	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 14:55	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 14:55	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	11/29/16 14:55	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	11/29/16 14:55	CJM
Total Polychlorinated biphenyls	0.15			0.11		1	11/29/16 14:55	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	91.7	50-125	11/29/16 14:55

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-050 DUPL
Sample ID: 16K1056-22
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:19

Sample Description/Location: ceiling
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1340

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00075	1	11/29/16 15:32	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00075	1	11/29/16 15:32	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00075	1	11/29/16 15:32	CJM
Tetrachlorobiphenyls	0.058	0.0020		0.043	0.0015	1	11/29/16 15:32	CJM
Pentachlorobiphenyls	0.033	0.0020		0.025	0.0015	1	11/29/16 15:32	CJM
Hexachlorobiphenyls	0.0028	0.0020		0.0021	0.0015	1	11/29/16 15:32	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 15:32	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0022	1	11/29/16 15:32	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	11/29/16 15:32	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	11/29/16 15:32	CJM
Total Polychlorinated biphenyls	0.094			0.070		1	11/29/16 15:32	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.0	50-125	11/29/16 15:32

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-051
Sample ID: 16K1056-23
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:15

Sample Description/Location: amb
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1320

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	11/29/16 16:10	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00076	1	11/29/16 16:10	CJM
Trichlorobiphenyls	0.0033	0.0010		0.0025	0.00076	1	11/29/16 16:10	CJM
Tetrachlorobiphenyls	0.12	0.0020		0.088	0.0015	1	11/29/16 16:10	CJM
Pentachlorobiphenyls	0.16	0.0020		0.12	0.0015	1	11/29/16 16:10	CJM
Hexachlorobiphenyls	0.016	0.0020		0.012	0.0015	1	11/29/16 16:10	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 16:10	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 16:10	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	11/29/16 16:10	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	11/29/16 16:10	CJM
Total Polychlorinated biphenyls	0.29			0.22		1	11/29/16 16:10	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	90.5	50-125	11/29/16 16:10

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-052
Sample ID: 16K1056-24
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:18

Sample Description/Location: floor
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1324

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	11/29/16 16:48	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00076	1	11/29/16 16:48	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00076	1	11/29/16 16:48	CJM
Tetrachlorobiphenyls	0.046	0.0020		0.035	0.0015	1	11/29/16 16:48	CJM
Pentachlorobiphenyls	0.034	0.0020		0.026	0.0015	1	11/29/16 16:48	CJM
Hexachlorobiphenyls	0.0039	0.0020		0.003	0.0015	1	11/29/16 16:48	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 16:48	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 16:48	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	11/29/16 16:48	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	11/29/16 16:48	CJM
Total Polychlorinated biphenyls	0.084			0.063		1	11/29/16 16:48	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	85.4	50-125	11/29/16 16:48

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-053
Sample ID: 16K1056-25
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:16

Sample Description/Location: wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1288

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00078	1	11/29/16 17:25	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/29/16 17:25	CJM
Trichlorobiphenyls	0.0046	0.0010		0.0035	0.00078	1	11/29/16 17:25	CJM
Tetrachlorobiphenyls	0.12	0.0020		0.095	0.0016	1	11/29/16 17:25	CJM
Pentachlorobiphenyls	0.17	0.0020		0.13	0.0016	1	11/29/16 17:25	CJM
Hexachlorobiphenyls	0.017	0.0020		0.013	0.0016	1	11/29/16 17:25	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 17:25	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 17:25	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 17:25	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 17:25	CJM
Total Polychlorinated biphenyls	0.31			0.24		1	11/29/16 17:25	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	83.4	50-125	11/29/16 17:25

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Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
16K1056-21 [KPL-049]	B163923	1.00	1.00	11/21/16
16K1056-22 [KPL-050 DUPL]	B163923	1.00	1.00	11/21/16
16K1056-23 [KPL-051]	B163923	1.00	1.00	11/21/16
16K1056-24 [KPL-052]	B163923	1.00	1.00	11/21/16
16K1056-25 [KPL-053]	B163923	1.00	1.00	11/21/16

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
16K1056-01 [KPL-029]	B164061	1.00	1.00	11/22/16
16K1056-02 [KPL-030]	B164061	1.00	1.00	11/22/16
16K1056-03 [KPL-031]	B164061	1.00	1.00	11/22/16
16K1056-04 [KPL-032]	B164061	1.00	1.00	11/22/16
16K1056-05 [KPL-033]	B164061	1.00	1.00	11/22/16
16K1056-06 [KPL-034]	B164061	1.00	1.00	11/22/16
16K1056-07 [KPL-035]	B164061	1.00	1.00	11/22/16
16K1056-08 [KPL-036]	B164061	1.00	1.00	11/22/16
16K1056-09 [KPL-037]	B164061	1.00	1.00	11/22/16
16K1056-10 [KPL-038]	B164061	1.00	1.00	11/22/16
16K1056-11 [KPL-039]	B164061	1.00	1.00	11/22/16
16K1056-12 [KPL-040]	B164061	1.00	1.00	11/22/16
16K1056-13 [KPL-041]	B164061	1.00	1.00	11/22/16
16K1056-14 [KPL-042]	B164061	1.00	1.00	11/22/16
16K1056-15 [KPL-043]	B164061	1.00	1.00	11/22/16
16K1056-16 [KPL-044]	B164061	1.00	1.00	11/22/16
16K1056-17 [KPL-045]	B164061	1.00	1.00	11/22/16
16K1056-18 [KPL-046]	B164061	1.00	1.00	11/22/16
16K1056-19 [KPL-047]	B164061	1.00	1.00	11/22/16
16K1056-20 [KPL-048]	B164061	1.00	1.00	11/22/16

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B163923 - SW-846 3540C											
Blank (B163923-BLK1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									V-05
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.182*				*0.200*		*90.9*	*50-125*			
LCS (B163923-BS1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	0.18	0.0010			0.200		91.9	40-140			
Dichlorobiphenyls	0.17	0.0010			0.200		82.9	40-140			
Trichlorobiphenyls	0.16	0.0010			0.200		82.0	40-140			
Tetrachlorobiphenyls	0.35	0.0020			0.400		87.7	40-140			
Pentachlorobiphenyls	0.41	0.0020			0.400		104	40-140			
Hexachlorobiphenyls	0.36	0.0020			0.400		89.3	40-140			
Heptachlorobiphenyls	0.54	0.0030			0.600		89.9	40-140			
Octachlorobiphenyls	0.56	0.0030			0.600		93.7	40-140			
Nonachlorobiphenyls	0.80	0.0050			1.00		80.1	40-140			
Decachlorobiphenyl	0.65	0.0050			1.00		65.2	40-140			V-05
Surrogate: Tetrachloro-m-xylene	*0.191*				*0.200*		*95.5*	*50-125*			
LCS Dup (B163923-BSD1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	0.19	0.0010			0.200		94.8	40-140	3.11	50	
Dichlorobiphenyls	0.18	0.0010			0.200		89.8	40-140	7.92	50	
Trichlorobiphenyls	0.18	0.0010			0.200		90.6	40-140	9.91	50	
Tetrachlorobiphenyls	0.39	0.0020			0.400		96.5	40-140	9.55	50	
Pentachlorobiphenyls	0.46	0.0020			0.400		114	40-140	9.56	50	
Hexachlorobiphenyls	0.39	0.0020			0.400		98.7	40-140	10.0	50	
Heptachlorobiphenyls	0.59	0.0030			0.600		98.8	40-140	9.40	50	
Octachlorobiphenyls	0.62	0.0030			0.600		103	40-140	9.35	50	
Nonachlorobiphenyls	0.87	0.0050			1.00		86.8	40-140	8.12	50	
Decachlorobiphenyl	0.70	0.0050			1.00		69.8	40-140	6.80	50	V-05
Surrogate: Tetrachloro-m-xylene	*0.189*				*0.200*		*94.5*	*50-125*			

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B164061 - SW-846 3540C											
Blank (B164061-BLK1)					Prepared: 11/22/16 Analyzed: 11/29/16						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.166*				*0.200*		*82.9*	*50-125*			
LCS (B164061-BS1)					Prepared: 11/22/16 Analyzed: 11/29/16						
Monochlorobiphenyls	0.19	0.0010			0.200		97.0	40-140			V-06
Dichlorobiphenyls	0.19	0.0010			0.200		95.9	40-140			
Trichlorobiphenyls	0.19	0.0010			0.200		97.0	40-140			
Tetrachlorobiphenyls	0.42	0.0020			0.400		104	40-140			
Pentachlorobiphenyls	0.48	0.0020			0.400		119	40-140			
Hexachlorobiphenyls	0.42	0.0020			0.400		105	40-140			
Heptachlorobiphenyls	0.62	0.0030			0.600		103	40-140			
Octachlorobiphenyls	0.64	0.0030			0.600		107	40-140			V-06
Nonachlorobiphenyls	0.89	0.0050			1.00		88.5	40-140			
Decachlorobiphenyl	0.71	0.0050			1.00		71.1	40-140			
Surrogate: Tetrachloro-m-xylene	*0.212*				*0.200*		*106*	*50-125*			
LCS Dup (B164061-BSD1)					Prepared: 11/22/16 Analyzed: 11/29/16						
Monochlorobiphenyls	0.20	0.0010			0.200		102	40-140	4.68	50	V-06
Dichlorobiphenyls	0.19	0.0010			0.200		95.0	40-140	0.984	50	
Trichlorobiphenyls	0.19	0.0010			0.200		93.2	40-140	3.92	50	
Tetrachlorobiphenyls	0.40	0.0020			0.400		100	40-140	3.83	50	
Pentachlorobiphenyls	0.45	0.0020			0.400		112	40-140	5.80	50	
Hexachlorobiphenyls	0.40	0.0020			0.400		99.9	40-140	4.83	50	
Heptachlorobiphenyls	0.59	0.0030			0.600		98.3	40-140	4.53	50	
Octachlorobiphenyls	0.62	0.0030			0.600		103	40-140	4.30	50	V-06
Nonachlorobiphenyls	0.86	0.0050			1.00		86.0	40-140	2.88	50	
Decachlorobiphenyl	0.70	0.0050			1.00		69.6	40-140	2.20	50	
Surrogate: Tetrachloro-m-xylene	*0.208*				*0.200*		*104*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
TO-10A/EPA 680 Modified in Air	
Total Polychlorinated biphenyls	AIHA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

1GK10526

CHAIN OF CUSTODY RECORD (AIR)

Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd, Manchester, CT
Phone:	
Project Name:	Kent Public Library
Project Location:	Interior Airs - Day 4
Project Number:	20151259.A20
Project Manager:	R. May
Con-Test Bid:	
Invoice Recipient:	
Sampled By:	Kim Rinard / P. Batema

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Other:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [ ]
Other:
Enhanced Data Package Required: [ ]
Email To: rmay@fuss.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A Homologs				" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Con-Test Work Order#	Client Sample ID / Description	(1) Beginning Date/Time	(1) Ending Date/Time	Total Minutes Sampled	[X] m³/min [X] L/min	Code	[X] Liters [ ] m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	For summa canister and flow controller information please refer to Con-Test's Air Media Agreement
															Summa Can ID	Flow Controller ID
01 DP	KPL-029	1318	1842	324		PUF		X							~~WALL~~	CEIL
02	030	1315	1843	328				X							FLOOR	
03	031	1318	1844	326				X							AMB	
04	032	1314	1845	331				X							E.WALL	
05	KPL-033	1523	1926	243	5.0L	PUF		X							S.WALL	
06 MD	034	1322	1850	328				X							N WALL	
07	035	1331	1854	323				X							FLOOR	
08	036	1322	1854	332				X							AMB	
09	037	1326	1855	329				X							CEIL	

Comments: (1) Collected 11/17/16
(2) RL's provided by R May on Tuesday via email

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:
Kyle Rinard	11/17/16 2055
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other (2)

Special Requirements
[ ] MA MCP Required
[ ] CT RCP Required
[ ] Enhanced Data Package Required

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Email: info@contestlabs.com

16K1056

http://www.contestlabs.com

Doc #378 Rev 0 5/8/15

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	F+O Environ Science
Address:	See pg 1
Phone:	
Project Name:	
Project Location:	
Project Number:	20151279.A20
Project Manager:	B. May
Con-Test Bid:	
Invoice Recipient:	
Sampled By:	Kim Rinard / P. Bateman

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Other:

Rush Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [ ]
Other:
Enhanced Data Package Required: [ ]
Email To:
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A 40hr/168hr				" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	[X] m³/min [X] L/min	Code	[X] Liters [ ] m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	
															For summa canister and flow controller information please refer to Con-Test's Air Media Agreement	
															Summa Can ID	Flow Controller ID
10 MID	KPL-038	1326	1856	330		PVF	X	X							EWALL	
11 (AUD)	-039	1305	1926	381			X	X							AMB-AUDT	
12 (VENT)	040	1302	1927	385				X							FA VENT	
13 BSMT	041	1338	1901	323				X							N. WALL	
14	042	1340	1946	366				X							CEIL	
15	KPL-043	1335	1903	328		PVF		X							S. WALL	
16	044	1344	1905	321				X							FLOOR	
17	045	1342	1905	323				X							AMB	
18	046	~~13:02~~ 13:00	1950	410				X							BLANK	

Comments: (1) Collected 11/17/16

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:
K Rinard	11/17/16 2055
Received by: (signature) 3.7°C	Date/Time:
	11/17/16 2055
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other: (2)

Special Requirements
[ ] MA MCP Required
[ ] CT RCP Required
[ ] Enhanced Data Package Required

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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1EK10520

http://www.contestlabs.com

Doc #378 Rev 0 5/8/15

39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (AIR)

Company Name:	K10 Enviro Science
Address:	SEE page 1
Phone:	
Project Name:	
Project Location:	
Project Number:	
Project Manager:	
Con-Test Bid:	
Invoice Recipient:	
Sampled By:	Kim Rinard / P Bateman

Requested Turnaround Time
7-Day ☒ 10-Day ☐
Other:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
Enhanced Data Package Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A Homologs				" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☒ L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	For summa canister and flow controller information please refer to Con-Test's Air Media Agreement
															Summa Can ID	Flow Controller ID
19	KPL-047	13:06	1924	378		PUF		X							L0837	AMB-
20	-048	13:50	1912	322				X							WALL	
21	-049	13:47	1919	332				X							CEIL	
22	-050 DUPL	—	1919	332				X							CEIL	
23	KPL -051	13:49	1915	326		PUF		X							AMB	
24	-052	13:54	1918	324				X							FLOOR	
25	-053	13:51	1916	325				X							WALL	

Comments: (1) Collected 11/17/16

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:	**Detection Limit Requirements**	**Special Requirements**
K Rinard	11/17/16 2055	MA	
Received by: (signature) 3.7°C	Date/Time:		☐ MA MCP Required
	11/17/16 2055		
Relinquished by: (signature)	Date/Time:	CT	☐ CT RCP Required
Received by: (signature)	Date/Time:		☐ Enhanced Data Package Required
		Other: (2)	
Relinquished by: (signature)	Date/Time:		
Received by: (signature)	Date/Time:		

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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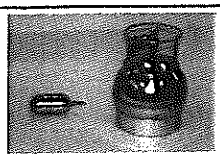

www.contestlabs.com

con-test® ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME Tuss Olwell RECEIVED BY: RLF DATE: 11/7/16

1) Was the chain(s) of custody relinquished and signed? Yes X No ____

2) Does the chain agree with the samples? Yes X No ____
If not, explain:

3) Are all the samples in good condition? Yes X No ____
If not, explain:

4) Are there any samples "On Hold"? Yes ____ No X Stored where: ____

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes ____ No X
Who was notified ____ Date ____ Time ____

6) Location where samples are stored: walkin

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

7) Number of cans Individually Certified or Batch Certified? none

Containers received at Con-Test

	# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)		
Tedlar Bags		
TO-17 Tubes		
Regulators		
Restrictors		
Hg/Hopcalite Tube (NIOSH 6009)		
(TO-4A/TO-10A/TO-13) PUFs	25	low volume
PCB Florisil Tubes (NIOSH 5503)		
Air cassette		
PM 2.5/PM 10		
TO-11A Cartridges		
Other		

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet? 110916 -

Laboratory Comments:															
	-09	-28	-07	-30	-22	-06	-15	-13	-23	-04	-18	-12	-19		
	-08	-01	-21	-25	-24	-10	-14	-11	-27	-16	-05	-03			

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	T	

Who notified of False statements? **Date/Time:**

Doc #278 Rev. 5 October 2014 **Log-In Technician Initials:** **Date/Time:**

RLF 11/17/14 2055

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

PCBs in Air (TO-10A) Chain of Custody Form

Project Name: Kent Memorial Library Suffield, CT Project No. 20151259.A2E Date: 11/17/2016

Site Address: 50 North Main Street Suffield, CT Building Name/Number: Kent Memorial Library Project Manager: R May

Sample ID	Sample Location	Flow Rate (LPM)			Time		Total Time (Min)	Total Volume (Liters)	Ave Temp (ºF)
		Start	End	Ave	Start	End			
KPL-029	Upper Level North – Ceiling	3.911	4.018	3.945	13:18	18:42	324	1278	68
KPL-030	Upper Level North – Floor	3.882	3.861	3.872	13:15	18:43	328	1270	68
KPL-031	Upper Level North – Ambient	4.072	4.016	4.089	13:18	18:44	326	1333	68
KPL-032	Upper Level North – East Wall	4.101	4.991	4.546	13:14	18:45	331	1505	68
KPL-033	Upper Level North – South Wall	5.012	5.165	5.089	15:23	19:26	243	1237	68
KPL-034	Intermediate Level South – West Wall	4.108	4.141	4.125	13:22	18:50	328	1353	68
KPL-035	Intermediate Level South – Floor	3.980	4.022	4.001	13:31	18:54	323	1292	68
KPL-036	Intermediate Level South – Ambient	4.067	4.006	4.037	13:22	18:54	332	1340	68
KPL-037	Intermediate Level South – Ceiling	4.208	4.189	4.199	13:26	18:55	329	1381	68
KPL-038	Intermediate Level South – East Wall	4.083	4.133	4.108	13:26	18:56	330	1356	68
KPL-039	Auditorium – Ambient	4.169	4.086	4.128	13:05	19:26	381	1573	68
KPL-040	Fresh Air Intake Vent – Point of Entry	4.026	4.051	4.039	13:02	19:27	385	1555	68
KPL-041	Multipurpose Room – North Wall	3.857	3.881	3.869	13:38	19:01	323	1250	68
KPL-042	Multipurpose Room – Ceiling	3.959	4.018	3.989	13:40	19:46	366	1460	68
KPL-043	Multipurpose Room – South Wall	4.009	3.966	3.885	13:35	19:03	328	1274	68
KPL-044	Multipurpose Room – Floor	3.981	3.885	3.933	13:44	19:05	321	1262	68
KPL-045	Multipurpose Room – Ambient	3.929	3.937	3.933	13:42	19:05	323	1270	68
KPL-046	Field Blank				13:00	19:50	410	0000	68
KPL-047	Upper Lobby – Ambient	4.029	4.019	4.024	13:06	19:24	378	1521	68
KPL-048	Lower Level North – Wall	4.043	3.985	4.014	13:50	19:12	322	1293	68

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
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(860) 646-2469 Fax (860) 649-6883

KPL-049	Lower Level North – Ceiling	4.018	4.003	4.011	13:47	19:19	332	1332	68
KPL-050	Lower Level North – Ceiling Duplicate	4.065	4.004	4.035	13:47	19:19	332	1340	68
KPL-051	Lower Level North – Ambient	4.044	4.055	4.05	13:49	19:15	326	1320	68
KPL-052	Lower Level North – Floor	4.103	4.173	4.138	13:54	19:18	324	1324	68
KPL-053	Lower Level North - Wall	3.917	4.008	3.963	13:51	19:16	325	1288	68

Analysis Method: TO-10 A **PCB Homologs** Laboratory: ConTest Analytical Avg Barometric Pressure (in HG): 29.925 Avg Ambient Temp (°F): 68

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

E-Mail PDF of Results to RMay@fando.com **AND** KRinard@fando.com

Turnaround Time: 7 days
(72-Hour is Fastest Possible)

Special Instruction/Comments: Indoor Air Samples collected with PUF cartridges.

Samples Collected By: K Rinard / P Bateman **Contact Info:** _____ **Date:** _____ **Time:** _____

Relinquished [By][To] [_____**][**_____**] Date:** _____ **Time:** _____

Relinquished [By][To] [_____**][**_____**] Date:** _____ **Time:** _____

Relinquished [By][To] [_____**][**_____**] Date:** _____ **Time:** _____

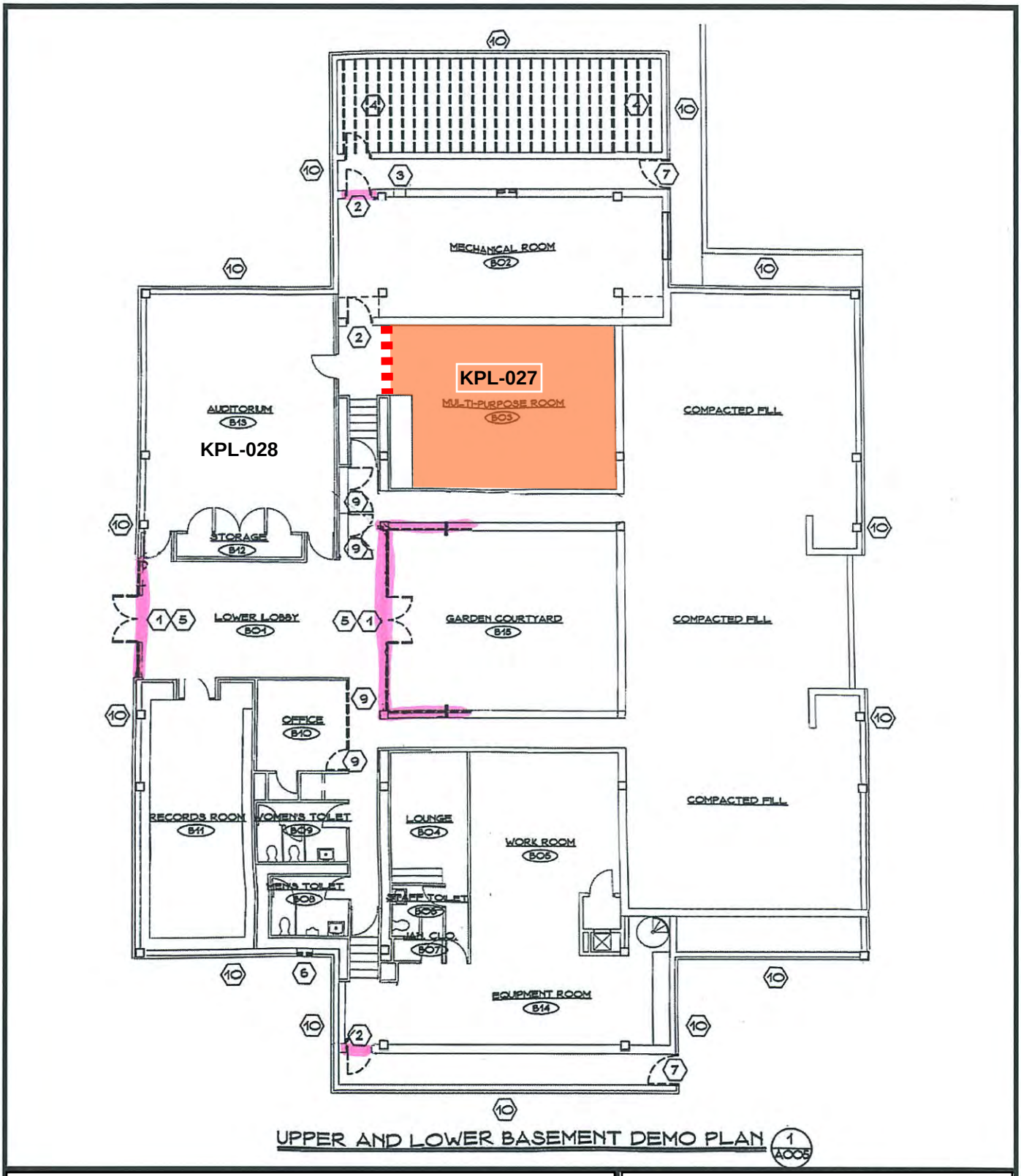

Figure 1-1 Indoor Air Sample Locations
Day 1 Indoor Air Sampling Event

KPL-028 Indoor Air Sample Location and Identifier

Boundary of Target Sample Location

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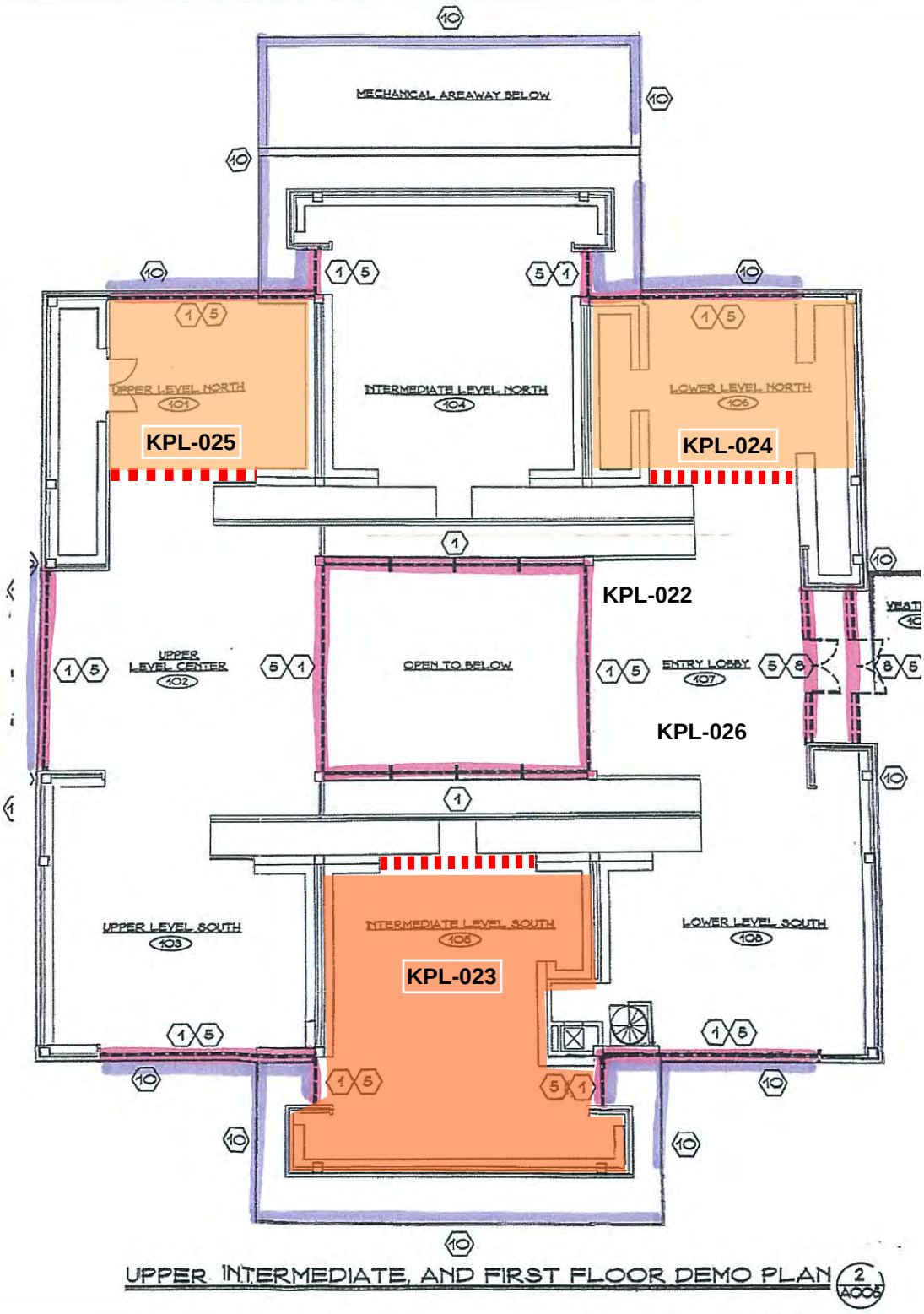

Figure 1-2 Indoor Air Sample Locations
Day 1 Indoor Air Sampling Event

KPL-028 Indoor Air Sample Location and Identifier

Boundary of Target Sample Location

FUSS & O'NEILL
EnviroScience, LLC

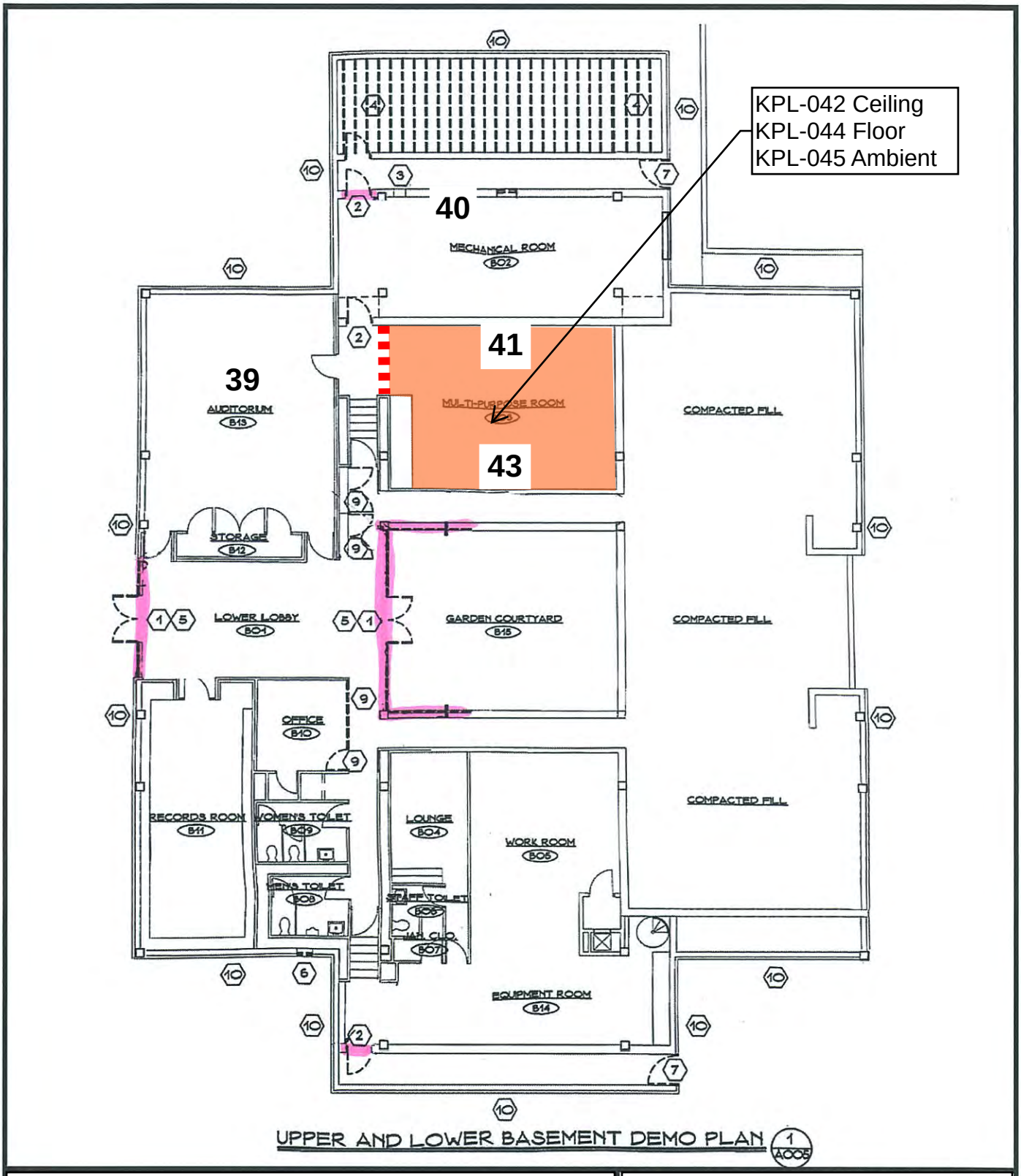

Figure 3-1 Indoor Air Sample Locations
Day 4 Indoor Air Sampling Event

KPL-028 Indoor Air Sample Location and Identifier

Boundary of Target Sample Location

FUSS & O'NEILL
EnviroScience, LLC

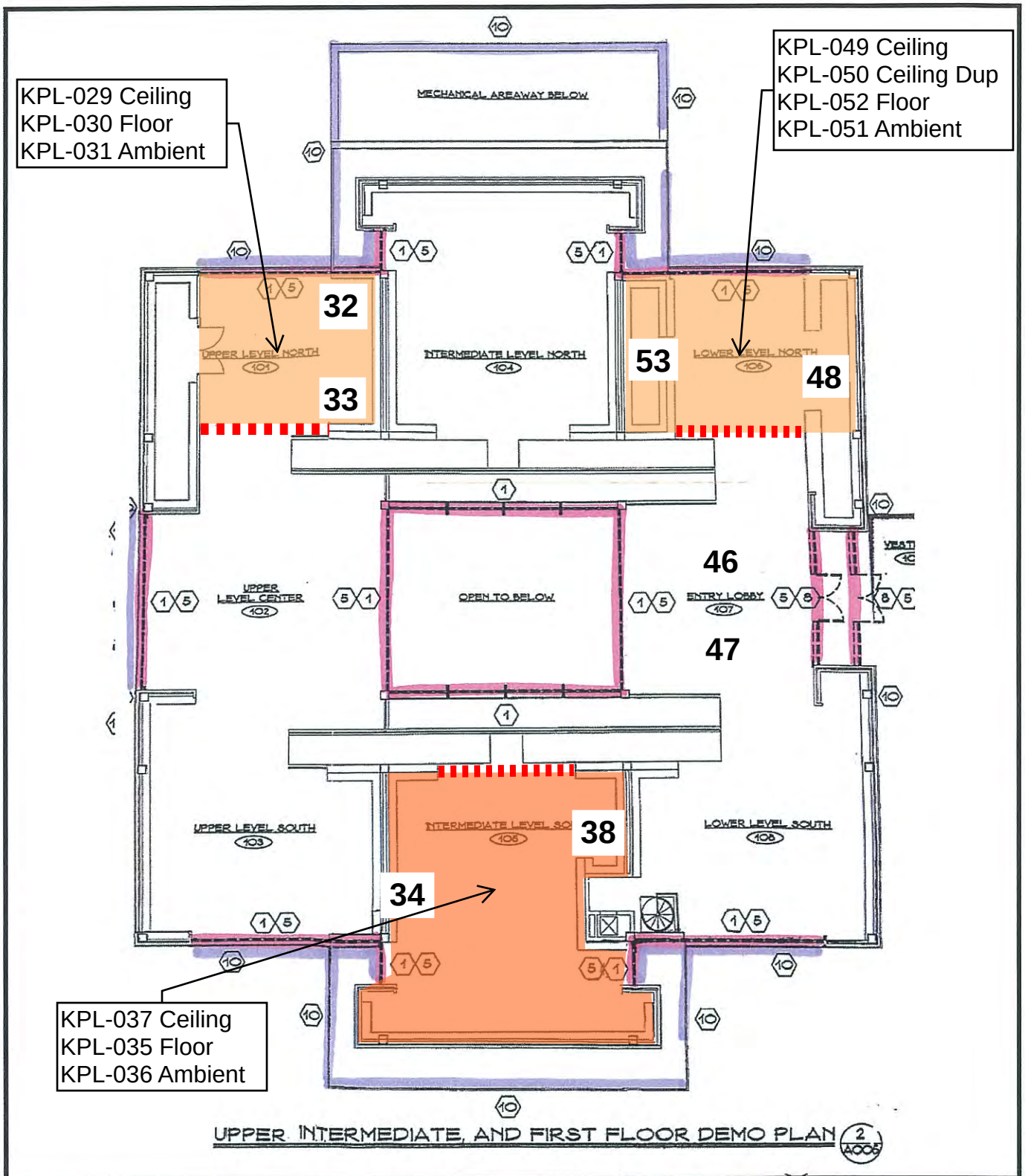

Figure 3-2 Indoor Air Sample Locations
Day 4 Indoor Air Sampling Event

KPL-028 Indoor Air Sample Location and Identifier

Boundary of Target Sample Location

FUSS & O'NEILL
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EnviroScience, LLC

Appendix H

Laboratory Results for Concrete Ceilings after Abrasive Removal of Paints and Sealants

con-test®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

January 20, 2017

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: Kent Memorial Library
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 17A0745

Enclosed are results of analyses for samples received by the laboratory on January 17, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Steven M. Case
Project Manager

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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 1/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17A0745

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Memorial Library

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
KML-054	17A0745-01	Concrete		SW-846 8082A	
KML-055	17A0745-02	Concrete		SW-846 8082A	
KML-056	17A0745-03	Concrete		SW-846 8082A	
KML-057	17A0745-04	Concrete		SW-846 8082A	
KML-058	17A0745-05	Concrete		SW-846 8082A	
KML-059	17A0745-06	Concrete		SW-846 8082A	
KML-060	17A0745-07	Concrete		SW-846 8082A	
KML-061	17A0745-08	Concrete		SW-846 8082A	

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

P-01

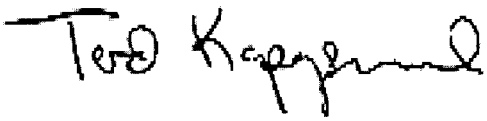
Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1248
17A0745-05[KML-058]

Aroclor-1248 [2C]
17A0745-05[KML-058]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-054 | Sampled: 1/17/2017 10:50

Sample ID: 17A0745-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1254 [2]	0.23	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.3	30-150		1/19/17 19:39
Decachlorobiphenyl [2]	98.2	30-150		1/19/17 19:39
Tetrachloro-m-xylene [1]	84.8	30-150		1/19/17 19:39
Tetrachloro-m-xylene [2]	97.1	30-150		1/19/17 19:39

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-055 | Sampled: 1/17/2017 11:00

Sample ID: 17A0745-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.1	30-150		1/19/17 19:57
Decachlorobiphenyl [2]	61.8	30-150		1/19/17 19:57
Tetrachloro-m-xylene [1]	55.0	30-150		1/19/17 19:57
Tetrachloro-m-xylene [2]	62.7	30-150		1/19/17 19:57

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-056 | Sampled: 1/17/2017 11:20

Sample ID: 17A0745-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1254 [2]	0.25	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.4	30-150		1/19/17 20:14
Decachlorobiphenyl [2]	94.0	30-150		1/19/17 20:14
Tetrachloro-m-xylene [1]	81.3	30-150		1/19/17 20:14
Tetrachloro-m-xylene [2]	92.6	30-150		1/19/17 20:14

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-057 | Sampled: 1/17/2017 11:30

Sample ID: 17A0745-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.4	30-150		1/19/17 20:32
Decachlorobiphenyl [2]	102	30-150		1/19/17 20:32
Tetrachloro-m-xylene [1]	77.3	30-150		1/19/17 20:32
Tetrachloro-m-xylene [2]	88.4	30-150		1/19/17 20:32

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-058 | Sampled: 1/17/2017 12:00

Sample ID: 17A0745-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1248 [2]	0.26	0.090	mg/Kg	1	P-01	SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1254 [2]	0.34	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.7	30-150		1/19/17 20:50
Decachlorobiphenyl [2]	106	30-150		1/19/17 20:50
Tetrachloro-m-xylene [1]	89.5	30-150		1/19/17 20:50
Tetrachloro-m-xylene [2]	104	30-150		1/19/17 20:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-059 | Sampled: 1/17/2017 12:10

Sample ID: 17A0745-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual			
Decachlorobiphenyl [1]	96.0	30-150				1/19/17 21:08
Decachlorobiphenyl [2]	102	30-150				1/19/17 21:08
Tetrachloro-m-xylene [1]	85.5	30-150				1/19/17 21:08
Tetrachloro-m-xylene [2]	97.7	30-150				1/19/17 21:08

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Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-060 | Sampled: 1/17/2017 12:45

Sample ID: 17A0745-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1254 [2]	0.16	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.4	30-150		1/19/17 21:25
Decachlorobiphenyl [2]	98.5	30-150		1/19/17 21:25
Tetrachloro-m-xylene [1]	79.1	30-150		1/19/17 21:25
Tetrachloro-m-xylene [2]	90.6	30-150		1/19/17 21:25

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Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-061 | Sampled: 1/17/2017 12:55

Sample ID: 17A0745-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.8	30-150		1/19/17 21:43
Decachlorobiphenyl [2]	99.6	30-150		1/19/17 21:43
Tetrachloro-m-xylene [1]	87.8	30-150		1/19/17 21:43
Tetrachloro-m-xylene [2]	100	30-150		1/19/17 21:43

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17A0745-01 [KML-054]	B168177	2.07	10.0	01/18/17
17A0745-02 [KML-055]	B168177	2.01	10.0	01/18/17
17A0745-03 [KML-056]	B168177	2.05	10.0	01/18/17
17A0745-04 [KML-057]	B168177	2.06	10.0	01/18/17
17A0745-05 [KML-058]	B168177	2.23	10.0	01/18/17
17A0745-06 [KML-059]	B168177	2.13	10.0	01/18/17
17A0745-07 [KML-060]	B168177	2.06	10.0	01/18/17
17A0745-08 [KML-061]	B168177	2.07	10.0	01/18/17

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B168177 - SW-846 3540C										
Blank (B168177-BLK1)				Prepared: 01/18/17 Analyzed: 01/19/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.912*		mg/Kg	1.00		91.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.982*		mg/Kg	1.00		98.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.849*		mg/Kg	1.00		84.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.974*		mg/Kg	1.00		97.4	30-150			
LCS (B168177-BS1)				Prepared: 01/18/17 Analyzed: 01/19/17						
Aroclor-1016	0.22	0.10	mg/Kg	0.250		88.7	40-140			
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		103	40-140			
Aroclor-1260	0.20	0.10	mg/Kg	0.250		80.5	40-140			
Aroclor-1260 [2C]	0.22	0.10	mg/Kg	0.250		88.1	40-140			
Surrogate: Decachlorobiphenyl	*0.930*		mg/Kg	1.00		93.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.863*		mg/Kg	1.00		86.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.987*		mg/Kg	1.00		98.7	30-150			
LCS Dup (B168177-BSD1)				Prepared: 01/18/17 Analyzed: 01/19/17						
Aroclor-1016	0.23	0.10	mg/Kg	0.250		92.4	40-140	4.08	30	
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140	4.17	30	
Aroclor-1260	0.20	0.10	mg/Kg	0.250		80.5	40-140	0.0646	30	
Aroclor-1260 [2C]	0.22	0.10	mg/Kg	0.250		88.4	40-140	0.308	30	
Surrogate: Decachlorobiphenyl	*0.925*		mg/Kg	1.00		92.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.996*		mg/Kg	1.00		99.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.863*		mg/Kg	1.00		86.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.984*		mg/Kg	1.00		98.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B168177 - SW-846 3540C										
Matrix Spike (B168177-MS1)	**Source: 17A0745-01**			Prepared: 01/18/17 Analyzed: 01/19/17						
Aroclor-1016	0.23	0.10	mg/Kg	0.249	ND	93.2	40-140			
Aroclor-1016 [2C]	0.34	0.10	mg/Kg	0.249	ND	139	40-140			
Aroclor-1260	0.24	0.10	mg/Kg	0.249	ND	94.7	40-140			
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.249	ND	102	40-140			
Surrogate: Decachlorobiphenyl	*0.911*		mg/Kg	0.995		91.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.973*		mg/Kg	0.995		97.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.844*		mg/Kg	0.995		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.966*		mg/Kg	0.995		97.1	30-150			
Matrix Spike Dup (B168177-MSD1)	**Source: 17A0745-01**			Prepared: 01/18/17 Analyzed: 01/19/17						
Aroclor-1016	0.24	0.099	mg/Kg	0.248	ND	98.1	40-140	4.61	50	
Aroclor-1016 [2C]	0.34	0.099	mg/Kg	0.248	ND	137	40-140	1.88	50	
Aroclor-1260	0.24	0.099	mg/Kg	0.248	ND	95.4	40-140	0.243	50	
Aroclor-1260 [2C]	0.26	0.099	mg/Kg	0.248	ND	104	40-140	1.17	50	
Surrogate: Decachlorobiphenyl	*0.936*		mg/Kg	0.990		94.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.00*		mg/Kg	0.990		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.832*		mg/Kg	0.990		84.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.950*		mg/Kg	0.990		95.9	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KML-054

Lab Sample ID: 17A0745-01 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.23	13.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KML-056

Lab Sample ID: 17A0745-03 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.25	3.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KML-058

Lab Sample ID: 17A0745-05 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	0.16	
	2	0.00	0.00	0.00	0.26	48.2
Aroclor-1254	1	0.00	0.00	0.00	0.30	
	2	0.00	0.00	0.00	0.34	13.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KML-060

Lab Sample ID: 17A0745-07 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.13	
	2	0.00	0.00	0.00	0.16	16.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B168177-BS1 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.22	
	2	0.00	0.00	0.00	0.26	16
Aroclor-1260	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.22	9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B168177-BSD1 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.27	16
Aroclor-1260	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.22	9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B168177-MS1 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.34	38
Aroclor-1260	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.25	6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B168177-MSD1 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.34	33
Aroclor-1260	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.26	10

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

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17A0745

Rev 04.05.12

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

Company Name: FTO Enviro Science
Address: 146 Hartford Rd
Manchester, CT
Attention: R. May, K Rinard
Project Location: Kent Memorial Library
Sampled By: K Rinard, M. Malat

Telephone:
Project # 2015/259.
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #
Email:
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	EPA 8082/3545A/C	# of Containers	** Preservation	***Container Code
01	KML-054	1/17/17	1050		✓	C	L	✓	4	C	G
02	055		1100		✓			✓			
03	KML-056		1120		✓			✓			
04	057		1130		✓			✓			
05	KML-058	1/17/17	1200		✓	C	L	✓			
06	059		1210		✓			✓			
07	KML-060		1245		✓			✓			
08	061		1255		✓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments: RL ≤ 1 ppm C = Concrete

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	1/17/17	Date/Time: 1430
Received by: (signature)	1/17/17	Date/Time: 1430
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other _____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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FUSS & O'NEILL

memorandum

To: R May

From: K. Rinard, A Marlat

Project No: 20151259

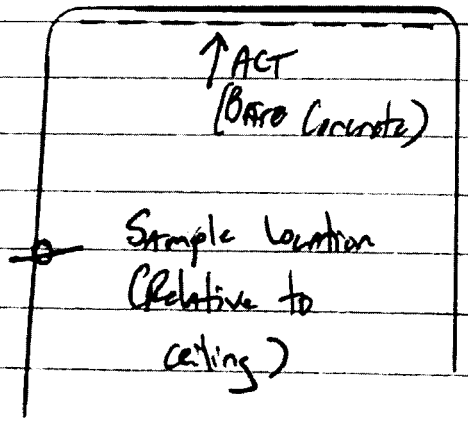
Date: 1/17/17

Subject: KML- Post Removal

KML- ID#		
054	0.0 - 0.5	Upper Level North
055	0.5 - 1.0	↓
056	0.0 - 0.5	Lower Level North
057	0.5 - 1.0	↓
058	0.0 - 0.5	Intermediate Level South
059	0.5 - 1.0	↓
060	0.0 - 0.5	Multipurpose Room
061	0.5 - 1.0	↓

No samples from underside of slab (unprinted) - Collected from vertical face within waffle cavity
No print on underside of slab within waffle behind ACT.

Fig 1 Waffle Slab Side Profile



FUSS & O'NEILL
EnviroScience, LLC

Appendix I

Post Encapsulation Wipe Sample Laboratory Results, February 2017

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

February 15, 2017

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20160978.A1E
Laboratory Work Order Number: 17B0414

Enclosed are results of analyses for samples received by the laboratory on February 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Steven M. Case
Project Manager

Table of Contents

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 2/15/2017

PURCHASE ORDER NUMBER: 20160978.A1E

PROJECT NUMBER: 20160978.A1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17B0414

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
2.8 PB 01-Concrete Multipurpose Rm	17B0414-01	Wipe		SW-846 8082A	
2.8 PB 02 Brick Cirulation Desk	17B0414-02	Wipe		SW-846 8082A	
2.8 PB 03 Blank	17B0414-03	Wipe		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT
Sample Description:
Work Order: 17B0414

Date Received: 2/8/2017

Field Sample #: 2.8 PB 01-Concrete Multipurpose Rm
Sampled: 2/8/2017 00:00

Sample ID: 17B0414-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.2	30-150		2/13/17 15:15
Decachlorobiphenyl [2]	106	30-150		2/13/17 15:15
Tetrachloro-m-xylene [1]	86.2	30-150		2/13/17 15:15
Tetrachloro-m-xylene [2]	95.7	30-150		2/13/17 15:15

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Project Location: 50 North Main St., Suffield, CT
Sample Description:
Work Order: 17B0414

Date Received: 2/8/2017

Field Sample #: 2.8 PB 02 Brick Cirulation Desk
Sampled: 2/8/2017 00:00

Sample ID: 17B0414-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		2/13/17 15:28
Decachlorobiphenyl [2]	104	30-150		2/13/17 15:28
Tetrachloro-m-xylene [1]	81.9	30-150		2/13/17 15:28
Tetrachloro-m-xylene [2]	90.8	30-150		2/13/17 15:28

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Project Location: 50 North Main St., Suffield, CT
Sample Description:
Work Order: 17B0414

Date Received: 2/8/2017

Field Sample #: 2.8 PB 03 Blank
Sampled: 2/8/2017 00:00

Sample ID: 17B0414-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.7	30-150		2/13/17 15:41
Decachlorobiphenyl [2]	108	30-150		2/13/17 15:41
Tetrachloro-m-xylene [1]	84.6	30-150		2/13/17 15:41
Tetrachloro-m-xylene [2]	95.2	30-150		2/13/17 15:41

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
17B0414-01 [2.8 PB 01-Concrete Multipurpose Rm]	B170164	1.00	10.0	02/10/17
17B0414-02 [2.8 PB 02 Brick Cirulation Desk]	B170164	1.00	10.0	02/10/17
17B0414-03 [2.8 PB 03 Blank]	B170164	1.00	10.0	02/10/17

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B170164 - SW-846 3540C										
Blank (B170164-BLK1)				Prepared: 02/10/17 Analyzed: 02/13/17						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.89*		µg/Wipe	2.00		94.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.09*		µg/Wipe	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/Wipe	2.00		90.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.93*		µg/Wipe	2.00		96.3	30-150			
LCS (B170164-BS1)				Prepared: 02/10/17 Analyzed: 02/13/17						
Aroclor-1016	0.45	0.20	µg/Wipe	0.500		90.3	40-140			
Aroclor-1016 [2C]	0.54	0.20	µg/Wipe	0.500		107	40-140			
Aroclor-1260	0.40	0.20	µg/Wipe	0.500		79.3	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/Wipe	0.500		87.5	40-140			
Surrogate: Decachlorobiphenyl	*1.85*		µg/Wipe	2.00		92.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.06*		µg/Wipe	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*1.75*		µg/Wipe	2.00		87.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.89*		µg/Wipe	2.00		94.4	30-150			
LCS Dup (B170164-BSD1)				Prepared: 02/10/17 Analyzed: 02/13/17						
Aroclor-1016	0.48	0.20	µg/Wipe	0.500		95.3	40-140	5.33	30	
Aroclor-1016 [2C]	0.52	0.20	µg/Wipe	0.500		103	40-140	3.52	30	
Aroclor-1260	0.41	0.20	µg/Wipe	0.500		81.5	40-140	2.72	30	
Aroclor-1260 [2C]	0.43	0.20	µg/Wipe	0.500		87.0	40-140	0.610	30	
Surrogate: Decachlorobiphenyl	*1.90*		µg/Wipe	2.00		95.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.14*		µg/Wipe	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*1.78*		µg/Wipe	2.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.93*		µg/Wipe	2.00		96.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B170164-BS1 Date(s) Analyzed: 02/13/2017 02/13/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.45	
	2	0.00	0.00	0.00	0.54	18
Aroclor-1260	1	0.00	0.00	0.00	0.40	
	2	0.00	0.00	0.00	0.44	11

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B170164-BSD1 Date(s) Analyzed: 02/13/2017 02/13/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.48	
	2	0.00	0.00	0.00	0.52	9
Aroclor-1260	1	0.00	0.00	0.00	0.41	
	2	0.00	0.00	0.00	0.43	6

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

17B0414

Rev 03.05.12

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East longmeadow, MA 01028

Page____of____

Company Name: Fuss & O'Neill
Telephone: 1-860-646-2469
Address: 146 Hartford Road, Manchester CT
Project #: 20160978.A1E
Client PO#: 20160978.A1E
Attention:
DATA DELIVERY (check all that apply): O FAX O EMAIL O WEBSITE
Project Location: 50 North Main ST Suffield CT
Fax #: 1-888-838-1160
Sampled By: Paul Bakeman
Email: rmay@Fando.com
Format: ☒ PDF O EXCEL O GIS O OTHER____ O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes) O yes ________ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB Soxhlet 8082
01	2.8 PB 01 - Concrete ~~[illegible]~~	2/8/17	Multipurpose Room					X
02	02 Back Circulation		Desk					X
03	03 - Blank		↓					X

ANALYSIS REQUESTED

# of Containers	1
** Preservation	
***Container Code	G

Dissolved Metals
O Field Filtered
O Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other____

Comments: 5 Day TAT please

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) [signature] / Paul Bakeman	2/8/16
Received by: (signature) [signature] 16.9°C 2/8/17	1500
Relinquished by: (signature)	
Received by: (signature)	

Turnaround ††
☐ 7-Day
~~10-Day~~ 5 Day
☒ Other 5 Day
~~RUSH~~ †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
O MCP Form Required
O RCP Form Required
O MA State DW Form Required PWSID # ______

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Fuss + O'neill RECEIVED BY: CM DATE: 2/8/17

1) **Was the chain(s) of custody relinquished and signed?** Yes ✓ No ____ No COC Incl.

2) **Does the chain agree with the samples?** Yes ✓ No ____
If not, explain:

3) **Are all the samples in good condition?** Yes ✓ No ____
If not, explain:

4) **How were the samples received:**
On Ice ____ Direct from Sampling ____ Ambient ✓ In Cooler(s) ____

Were the samples received in Temperature Compliance of (2-6°C)? Yes ____ No ____ N/A ✓

Temperature °C by Temp blank ____ Temperature °C by Temp gun 16.9 #2

5) **Are there Dissolved samples for the lab to filter?** Yes ____ No ✓
Who was notified ____ Date ____ Time ____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes ____ No ✓
Who was notified ____ Date ____ Time ____

7) **Location where samples are stored:** Login

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

8) **Do all samples have the proper Acid pH:** Yes ____ No ____ N/A ✓

9) **Do all samples have the proper Base pH:** Yes ____ No ____ N/A ✓

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes ____ N/A ✓

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	3
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		SOC Kit	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

40 mL vials: # HCl ____ # Methanol ____ Time and Date Frozen:
Bisulfate ____ # DI Water ____
Thiosulfate ____ Unpreserved ____

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	NA	
4) Cooler Temperature is acceptable.	NA	
5) Cooler Temperature is recorded.	T	16.9°C
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	no times
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** **Date/Time:** 2/8/17 1500

FUSS & O'NEILL
EnviroScience, LLC

Appendix J

Indoor Air Sampling Laboratory Results for Pilot Remediation Study, November 2017

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

November 28, 2017

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 17K0680

Enclosed are results of analyses for samples received by the laboratory on November 10, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

Table of Contents

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 11/28/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17K0680

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
11+10PB01 Multipurpose Room	17K0680-01	Air		TO-10A/EPA 680 Modified	
11+10PB02 Duplicate	17K0680-02	Air		TO-10A/EPA 680 Modified	
11+10PB03 Auditorium	17K0680-03	Air		TO-10A/EPA 680 Modified	
11+10PB04 Blank	17K0680-04	Air		TO-10A/EPA 680 Modified	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 11/10/2017
Field Sample #: 11+10PB01 Multipurpose Room
Sample ID: 17K0680-01
Sample Matrix: Air
Sampled: 11/10/2017 14:10

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1579.5

Work Order: 17K0680

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 18:42	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 18:42	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 18:42	CJM
Tetrachlorobiphenyls	0.090	0.0020		0.057	0.0013	1	11/27/17 18:42	CJM
Pentachlorobiphenyls	0.085	0.0020		0.054	0.0013	1	11/27/17 18:42	CJM
Hexachlorobiphenyls	0.0037	0.0020		0.0024	0.0013	1	11/27/17 18:42	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 18:42	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 18:42	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0032	1	11/27/17 18:42	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0032	1	11/27/17 18:42	CJM
Total Polychlorinated biphenyls	0.18			0.11		1	11/27/17 18:42	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	70.7	50-125	11/27/17 18:42

con-test® ANALYTICAL LABORATORY
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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 11/10/2017
Field Sample #: 11+10PB02 Duplicate
Sample ID: 17K0680-02
Sample Matrix: Air
Sampled: 11/10/2017 14:11

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1579.5

Work Order: 17K0680

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:19	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:19	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:19	CJM
Tetrachlorobiphenyls	0.087	0.0020		0.055	0.0013	1	11/27/17 19:19	CJM
Pentachlorobiphenyls	0.083	0.0020		0.052	0.0013	1	11/27/17 19:19	CJM
Hexachlorobiphenyls	0.0074	0.0020		0.0047	0.0013	1	11/27/17 19:19	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 19:19	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 19:19	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0032	1	11/27/17 19:19	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0032	1	11/27/17 19:19	CJM
Total Polychlorinated biphenyls	0.18			0.11		1	11/27/17 19:19	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	77.1	50-125	11/27/17 19:19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 11/10/2017
Field Sample #: 11+10PB03 Auditorium
Sample ID: 17K0680-03
Sample Matrix: Air
Sampled: 11/10/2017 14:12

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1599

Work Order: 17K0680

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:56	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:56	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:56	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0013	1	11/27/17 19:56	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0013	1	11/27/17 19:56	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0013	1	11/27/17 19:56	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 19:56	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 19:56	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0031	1	11/27/17 19:56	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0031	1	11/27/17 19:56	CJM
Total Polychlorinated biphenyls	0.0			0		1	11/27/17 19:56	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	82.6	50-125	11/27/17 19:56

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 11/10/2017
Field Sample #: 11+10PB04 Blank
Sample ID: 17K0680-04
Sample Matrix: Air
Sampled: 11/10/2017 00:00

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 17K0680

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		1	11/27/17 20:34	CJM
Dichlorobiphenyls	ND	0.0010		1	11/27/17 20:34	CJM
Trichlorobiphenyls	ND	0.0010		1	11/27/17 20:34	CJM
Tetrachlorobiphenyls	ND	0.0020		1	11/27/17 20:34	CJM
Pentachlorobiphenyls	ND	0.0020		1	11/27/17 20:34	CJM
Hexachlorobiphenyls	ND	0.0020		1	11/27/17 20:34	CJM
Heptachlorobiphenyls	ND	0.0030		1	11/27/17 20:34	CJM
Octachlorobiphenyls	ND	0.0030		1	11/27/17 20:34	CJM
Nonachlorobiphenyls	ND	0.0050		1	11/27/17 20:34	CJM
Decachlorobiphenyl	ND	0.0050		1	11/27/17 20:34	CJM
Total Polychlorinated biphenyls	0.0			1	11/27/17 20:34	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	78.2	50-125	11/27/17 20:34

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
17K0680-01 [11+10PB01 Multipurpose Room]	B191117	1.00	1.00	11/15/17
17K0680-02 [11+10PB02 Duplicate]	B191117	1.00	1.00	11/15/17
17K0680-03 [11+10PB03 Auditorium]	B191117	1.00	1.00	11/15/17
17K0680-04 [11+10PB04 Blank]	B191117	1.00	1.00	11/15/17

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B191117 - SW-846 3540C											
Blank (B191117-BLK1)					Prepared: 11/15/17 Analyzed: 11/27/17						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.158*				*0.200*		*79.1*	*50-125*			
LCS (B191117-BS1)					Prepared: 11/15/17 Analyzed: 11/27/17						
Monochlorobiphenyls	0.14	0.0010			0.200		72.4	40-140			
Dichlorobiphenyls	0.15	0.0010			0.200		75.7	40-140			
Trichlorobiphenyls	0.14	0.0010			0.200		70.7	40-140			
Tetrachlorobiphenyls	0.29	0.0020			0.400		72.7	40-140			
Pentachlorobiphenyls	0.30	0.0020			0.400		74.8	40-140			
Hexachlorobiphenyls	0.30	0.0020			0.400		74.0	40-140			
Heptachlorobiphenyls	0.44	0.0030			0.600		72.8	40-140			
Octachlorobiphenyls	0.44	0.0030			0.600		73.9	40-140			
Nonachlorobiphenyls	0.84	0.0050			1.00		83.6	40-140			
Decachlorobiphenyl	0.79	0.0050			1.00		78.9	40-140			
Surrogate: Tetrachloro-m-xylene	*0.168*				*0.200*		*83.9*	*50-125*			
LCS Dup (B191117-BSD1)					Prepared: 11/15/17 Analyzed: 11/27/17						
Monochlorobiphenyls	0.17	0.0010			0.200		86.0	40-140	17.2	50	
Dichlorobiphenyls	0.18	0.0010			0.200		90.7	40-140	18.0	50	
Trichlorobiphenyls	0.17	0.0010			0.200		85.4	40-140	18.8	50	
Tetrachlorobiphenyls	0.36	0.0020			0.400		88.8	40-140	19.9	50	
Pentachlorobiphenyls	0.36	0.0020			0.400		90.0	40-140	18.4	50	
Hexachlorobiphenyls	0.36	0.0020			0.400		89.8	40-140	19.2	50	
Heptachlorobiphenyls	0.53	0.0030			0.600		88.6	40-140	19.6	50	
Octachlorobiphenyls	0.54	0.0030			0.600		89.2	40-140	18.7	50	
Nonachlorobiphenyls	0.98	0.0050			1.00		97.8	40-140	15.6	50	
Decachlorobiphenyl	0.92	0.0050			1.00		91.7	40-140	15.0	50	
Surrogate: Tetrachloro-m-xylene	*0.179*				*0.200*		*89.3*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

con-test® ANALYTICAL LABORATORY
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INTERNAL STANDARD AREA AND RT SUMMARY

TO-10A/EPA 680 Modified

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
11+10PB01 Multipurpose Room (17K0680-01)			Lab File ID: F1127015.D			Analyzed: 11/27/17 18:42			
Phenanthrene-d10	1382264	20.32				50 - 200	20.3200	+/-0.50	
Chrysene-d12	1039724	28.092				50 - 200	28.0920	+/-0.50	
11+10PB02 Duplicate (17K0680-02)			Lab File ID: F1127016.D			Analyzed: 11/27/17 19:19			
Phenanthrene-d10	1414519	20.316				50 - 200	20.3160	+/-0.50	
Chrysene-d12	990674	28.088				50 - 200	28.0880	+/-0.50	
11+10PB03 Auditorium (17K0680-03)			Lab File ID: F1127017.D			Analyzed: 11/27/17 19:56			
Phenanthrene-d10	1300516	20.316				50 - 200	20.3160	+/-0.50	
Chrysene-d12	954951	28.089				50 - 200	28.0890	+/-0.50	
11+10PB04 Blank (17K0680-04)			Lab File ID: F1127018.D			Analyzed: 11/27/17 20:34			
Phenanthrene-d10	1350367	20.316				50 - 200	20.3160	+/-0.50	
Chrysene-d12	997233	28.093				50 - 200	28.0930	+/-0.50	

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CONTINUING CALIBRATION CHECK

				RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17K0680

con-test ANALYTICAL LABORATORY

http://www.contestlabs.com

Doc #378 Rev 1_03242017

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd, Manchester CT
Phone:	1-860-646-2469
Project Name:	Kent Public Library
Project Location:	50 North Main St. Suffield CT
Project Number:	20151259.A3E
Project Manager:	R May
Con-Test Quote Name/Number:	
Invoice Recipient:	Sara Owen SowenOFando.com
Sampled By:	Paul Bateman

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To: rmay@fando.com
Fax To #: 1-888-838-1138

ANALYSIS REQUESTED

TO-10A 40 hrs

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	" Hg				
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	[X] m³/min [X] L/min	Code	[X] Liters [ ] m³	Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
1	11+101801 Multipurpose room	7:40	2:10	390	4.05	PUF	1,579.5					
2	02 Duplicate	7:41	2:11	390	4.05	PUF	1,579.5					
3	03 Auditorium	7:42	2:12	390	4.1	PUF	1,599					
4	04 Blank	—	—	—	—	PUF	—					

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature) Paul Bateman 1634	Date/Time: 11/10/17
Received by: (signature) 17.6 PB 1634	Date/Time: 11/10/17
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
[ ] MA MCP Required
MCP Certification Form Required
[ ] CT RCP Required
RCP Certification Form Required
[ ] Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
[ ] Government [X] Municipality [ ] MWRA [ ] WRTA
[ ] Federal [ ] 21 J [ ] School
[ ] City [ ] Brownfield [ ] MBTA

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

PCB ONLY
[ ] Soxhlet
[ ] Non Soxhlet

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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Doc# 278 Rev 6 2017

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fuss & O'Neill

Received By RMP | Date 11/10/17 | Time 1634

How were the samples received? In Cooler T | On Ice | No Ice | In Box | Ambient | Melted Ice

Were samples within Temperature Compliance? 2-6°C F | By Gun # PR1 | Actual Temp - 17.6 | By Blank # | Actual Temp -

Was Custody Seal Intact? NA | Were Samples Tampered with? NA

Was COC Relinquished ? T | Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T

Did COC Include all Pertinent Information? Client T | Project T | Analysis T | ID's T | Sampler Name T | Collection Dates/Times T

Are Sample Labels filled out and legible? T

Are there Rushes? F | Who was notified?

Samples are received within holding time? T

Proper Media Used? T | Individually Certified Cans? F

Are there Trip Blanks? T | Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans					Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s	4				Tedlar			

Can #'s					Reg #'s				
Unused Media					Pufs/TO-17's				
					120913-01				
					120913-02				
					120913-03				
					120913-04				

Comments:

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 15, 2017

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 17L0469

Enclosed are results of analyses for samples received by the laboratory on December 11, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 12/15/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0469

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
12-9PB01	17L0469-01	Air	Multi purpose room	TO-10A/EPA 680 Modified	
12-9PB02	17L0469-02	Air	Multi purpose room duplicate	TO-10A/EPA 680 Modified	
12-9PB03	17L0469-03	Air	Auditorium	TO-10A/EPA 680 Modified	
12-9PB04	17L0469-04	Air	Blank	TO-10A/EPA 680 Modified	

con-test® ANALYTICAL LABORATORY

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

TO-10A/EPA 680 Modified

Qualifications:

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Heptachlorobiphenyls
B193073-BS1, B193073-BSD1

Hexachlorobiphenyls
B193073-BS1, B193073-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 12/11/2017
Field Sample #: 12-9PB01
Sample ID: 17L0469-01
Sample Matrix: Air
Sampled: 12/9/2017 13:35

Sample Description/Location: Multi purpose room
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1365

Work Order: 17L0469

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00073	1	12/15/17 10:31	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00073	1	12/15/17 10:31	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00073	1	12/15/17 10:31	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 10:31	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 10:31	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 10:31	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	12/15/17 10:31	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	12/15/17 10:31	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	12/15/17 10:31	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	12/15/17 10:31	CJM
Total Polychlorinated biphenyls	0.0			0		1	12/15/17 10:31	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.3	50-125	12/15/17 10:31

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 12/11/2017
Field Sample #: 12-9PB02
Sample ID: 17L0469-02
Sample Matrix: Air
Sampled: 12/9/2017 13:36

Sample Description/Location: Multi purpose room duplicate
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1330

Work Order: 17L0469

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00075	1	12/15/17 11:08	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00075	1	12/15/17 11:08	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00075	1	12/15/17 11:08	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 11:08	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 11:08	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 11:08	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	12/15/17 11:08	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	12/15/17 11:08	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	12/15/17 11:08	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	12/15/17 11:08	CJM
Total Polychlorinated biphenyls	0.0			0		1	12/15/17 11:08	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.5	50-125	12/15/17 11:08

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 12/11/2017
Field Sample #: 12-9PB03
Sample ID: 17L0469-03
Sample Matrix: Air
Sampled: 12/9/2017 13:40

Sample Description/Location: Auditorium
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1344

Work Order: 17L0469

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00074	1	12/15/17 11:46	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00074	1	12/15/17 11:46	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00074	1	12/15/17 11:46	CJM
Tetrachlorobiphenyls	0.083	0.0020		0.062	0.0015	1	12/15/17 11:46	CJM
Pentachlorobiphenyls	0.087	0.0020		0.064	0.0015	1	12/15/17 11:46	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 11:46	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	12/15/17 11:46	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	12/15/17 11:46	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	12/15/17 11:46	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	12/15/17 11:46	CJM
Total Polychlorinated biphenyls	0.17			0.13		1	12/15/17 11:46	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	90.1	50-125	12/15/17 11:46

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 12/11/2017
Field Sample #: 12-9PB04
Sample ID: 17L0469-04
Sample Matrix: Air
Sampled: 12/9/2017 00:00

Sample Description/Location: Blank
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 17L0469

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		1	12/15/17 12:28	CJM
Dichlorobiphenyls	ND	0.0010		1	12/15/17 12:28	CJM
Trichlorobiphenyls	ND	0.0010		1	12/15/17 12:28	CJM
Tetrachlorobiphenyls	ND	0.0020		1	12/15/17 12:28	CJM
Pentachlorobiphenyls	ND	0.0020		1	12/15/17 12:28	CJM
Hexachlorobiphenyls	ND	0.0020		1	12/15/17 12:28	CJM
Heptachlorobiphenyls	ND	0.0030		1	12/15/17 12:28	CJM
Octachlorobiphenyls	ND	0.0030		1	12/15/17 12:28	CJM
Nonachlorobiphenyls	ND	0.0050		1	12/15/17 12:28	CJM
Decachlorobiphenyl	ND	0.0050		1	12/15/17 12:28	CJM
Total Polychlorinated biphenyls	0.0			1	12/15/17 12:28	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	90.0	50-125	12/15/17 12:28

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
17L0469-01 [12-9PB01]	B193073	1.00	1.00	12/13/17
17L0469-02 [12-9PB02]	B193073	1.00	1.00	12/13/17
17L0469-03 [12-9PB03]	B193073	1.00	1.00	12/13/17
17L0469-04 [12-9PB04]	B193073	1.00	1.00	12/13/17

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B193073 - SW-846 3540C											
Blank (B193073-BLK1)					Prepared: 12/12/17 Analyzed: 12/15/17						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.195*				*0.200*		*97.5*	*50-125*			
LCS (B193073-BS1)					Prepared: 12/12/17 Analyzed: 12/14/17						
Monochlorobiphenyls	0.20	0.0010			0.200		101	40-140			
Dichlorobiphenyls	0.21	0.0010			0.200		103	40-140			
Trichlorobiphenyls	0.19	0.0010			0.200		93.8	40-140			
Tetrachlorobiphenyls	0.39	0.0020			0.400		96.4	40-140			
Pentachlorobiphenyls	0.40	0.0020			0.400		98.8	40-140			
Hexachlorobiphenyls	0.35	0.0020			0.400		88.2	40-140			V-05
Heptachlorobiphenyls	0.52	0.0030			0.600		87.4	40-140			V-05
Octachlorobiphenyls	0.53	0.0030			0.600		88.7	40-140			
Nonachlorobiphenyls	0.94	0.0050			1.00		94.4	40-140			
Decachlorobiphenyl	0.98	0.0050			1.00		97.8	40-140			
Surrogate: Tetrachloro-m-xylene	*0.211*				*0.200*		*106*	*50-125*			
LCS Dup (B193073-BSD1)					Prepared: 12/12/17 Analyzed: 12/14/17						
Monochlorobiphenyls	0.20	0.0010			0.200		99.7	40-140	1.25	50	
Dichlorobiphenyls	0.20	0.0010			0.200		98.6	40-140	4.44	50	
Trichlorobiphenyls	0.18	0.0010			0.200		90.9	40-140	3.18	50	
Tetrachlorobiphenyls	0.37	0.0020			0.400		92.0	40-140	4.76	50	
Pentachlorobiphenyls	0.40	0.0020			0.400		99.3	40-140	0.481	50	
Hexachlorobiphenyls	0.33	0.0020			0.400		81.5	40-140	7.82	50	V-05
Heptachlorobiphenyls	0.48	0.0030			0.600		79.6	40-140	9.28	50	V-05
Octachlorobiphenyls	0.50	0.0030			0.600		83.1	40-140	6.49	50	
Nonachlorobiphenyls	0.90	0.0050			1.00		90.0	40-140	4.71	50	
Decachlorobiphenyl	0.95	0.0050			1.00		95.5	40-140	2.40	50	
Surrogate: Tetrachloro-m-xylene	*0.195*				*0.200*		*97.7*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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INTERNAL STANDARD AREA AND RT SUMMARY

TO-10A/EPA 680 Modified

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
12-9PB01 (17L0469-01)			Lab File ID: F1213027.D			Analyzed: 12/15/17 10:31			
Phenanthrene-d10	828454	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	871756	27.969				50 - 200	27.9690	+/-0.50	
12-9PB02 (17L0469-02)			Lab File ID: F1213028.D			Analyzed: 12/15/17 11:08			
Phenanthrene-d10	806675	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	871994	27.973				50 - 200	27.9730	+/-0.50	
12-9PB03 (17L0469-03)			Lab File ID: F1213029.D			Analyzed: 12/15/17 11:46			
Phenanthrene-d10	1037802	20.23				50 - 200	20.2300	+/-0.50	
Chrysene-d12	992695	27.969				50 - 200	27.9690	+/-0.50	
12-9PB04 (17L0469-04)			Lab File ID: F1213030.D			Analyzed: 12/15/17 12:28			
Phenanthrene-d10	953353	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	865566	27.964				50 - 200	27.9640	+/-0.50	

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CONTINUING CALIBRATION CHECK

				RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17L0469

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc #378 Rev 1_03242017

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: Fuss & O'Neill EnviroScience
Address: 146 Hartford Rd Manchester, CT
Phone: 1-860-646-2469
Project Name: Kent Public Library
Project Location: 50 North Main ST Suffield, CT
Project Number: 20151259 . A3E
Project Manager: Bob May
Con-Test Quote Name/Number:
Invoice Recipient: Sam Owen sowen@fando.com
Sampled By: Paul Bateman

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☒

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: rmay@fando.com
Fax To #: 1-888-838-1160

ANALYSIS REQUESTED

Con-Test Work Order# (Lab Use)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Flow Rate (☐ m³/min ☒ L/min)	Matrix Code	Volume (☒ Liters ☐ m³)	TO-10A Homologs				Initial Pressure ("Hg)	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
1	12-9PB01 Multipurpose Room	7:45	12/9/17 1:35	350	3.9	PUF	1,365	X								
2	12-9PB02 ↓ Duplicate	7:46	1:36	350	3.8	PUF	1,330	X								
3	12-9PB03 Auditorium	7:47	1:40	353	3.8	PUF	1,34.4	X								
4	12-9PB04 Blank	–	–	–	–	PUF	–	X								

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments: Please Deliver 4 Day TAT at 7 Day Price Per Bob May. Thanks

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other______

Signature	Date/Time
Relinquished by: (signature) Paul Bateman	12/9/17
Received by: (signature) [signature] 12/11/17	12:20
Relinquished by: (signature) [signature] 12/11/17	5:35
Received by: (signature) [signature] 12/11/17	1735
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
MA:
CT:
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

con-test ANALYTICAL LABORATORY www.contestlabs.com

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☒ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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East Longmeadow, MA. 01028
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F: 413-525-6405
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Doc# 278 Rev 6 2017

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fuss + O'neill

Received By JM | Date 12/11/17 | Time 1735

How were the samples received? In Cooler T | On Ice T | No Ice | In Box | Ambient | Melted Ice

Were samples within Temperature Compliance? 2-6°C T | By Gun # 577 | Actual Temp - 2.2 | By Blank # | Actual Temp -

Was Custody Seal Intact? N/A | Were Samples Tampered with? N/A

Was COC Relinquished ? T | Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T

Did COC Include all Pertinent Information? Client T | Analysis T | Sampler Name T | Project T | ID's T | Collection Dates/Times T

Are Sample Labels filled out and legible? T

Are there Rushes? T | Who was notified? Ray

Samples are received within holding time? T

Proper Media Used? T | Individually Certified Cans? N/A

Are there Trip Blanks? N/A | Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans					Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s	4	low-volume			Tedlar			

Can #'s					Reg #'s				
		12093-	07, 08,	09, 10					
Unused Media					**Pufs/TO-17's**				

Comments:

FUSS & O'NEILL
EnviroScience, LLC

Appendix K

Post Verification Laboratory Results for Concrete and Wood Floors, December 2017

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 15, 2017

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A3E
Laboratory Work Order Number: 17L0470

Enclosed are results of analyses for samples received by the laboratory on December 11, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

Table of Contents

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 12/15/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A3E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0470

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
12-9 PB05	17L0470-01	Product/Solid		SW-846 8082A	
12-9 PB06	17L0470-02	Product/Solid		SW-846 8082A	
12-9 PB07	17L0470-03	Product/Solid		SW-846 8082A	
12-9 PB08	17L0470-04	Product/Solid		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Work Order: 17L0470

Date Received: 12/11/2017

Field Sample #: 12-9 PB05 Sampled: 12/9/2017 00:00

Sample ID: 17L0470-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.9	30-150		12/15/17 13:59
Decachlorobiphenyl [2]	95.9	30-150		12/15/17 13:59
Tetrachloro-m-xylene [1]	83.3	30-150		12/15/17 13:59
Tetrachloro-m-xylene [2]	98.0	30-150		12/15/17 13:59

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Project Location: 50 North Main St., Suffield, CT | Sample Description: | Work Order: 17L0470

Date Received: 12/11/2017

Field Sample #: 12-9 PB06 | Sampled: 12/9/2017 00:00

Sample ID: 17L0470-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.0	30-150		12/15/17 14:12
Decachlorobiphenyl [2]	83.5	30-150		12/15/17 14:12
Tetrachloro-m-xylene [1]	76.8	30-150		12/15/17 14:12
Tetrachloro-m-xylene [2]	85.4	30-150		12/15/17 14:12

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Project Location: 50 North Main St., Suffield, CT | Sample Description: | Work Order: 17L0470

Date Received: 12/11/2017

Field Sample #: 12-9 PB07 | Sampled: 12/9/2017 00:00

Sample ID: 17L0470-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.6	30-150		12/15/17 14:25
Decachlorobiphenyl [2]	82.2	30-150		12/15/17 14:25
Tetrachloro-m-xylene [1]	78.5	30-150		12/15/17 14:25
Tetrachloro-m-xylene [2]	86.1	30-150		12/15/17 14:25

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Project Location: 50 North Main St., Suffield, CT | Sample Description: | Work Order: 17L0470

Date Received: 12/11/2017

Field Sample #: 12-9 PB08 | Sampled: 12/9/2017 00:00

Sample ID: 17L0470-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1254 [2]	0.57	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.2	30-150		12/15/17 14:38
Decachlorobiphenyl [2]	87.2	30-150		12/15/17 14:38
Tetrachloro-m-xylene [1]	80.3	30-150		12/15/17 14:38
Tetrachloro-m-xylene [2]	89.2	30-150		12/15/17 14:38

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17L0470-01 [12-9 PB05]	B193114	2.11	10.0	12/13/17
17L0470-02 [12-9 PB06]	B193114	2.09	10.0	12/13/17
17L0470-03 [12-9 PB07]	B193114	2.04	10.0	12/13/17
17L0470-04 [12-9 PB08]	B193114	2.02	10.0	12/13/17

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B193114 - SW-846 3540C										
Blank (B193114-BLK1)				Prepared: 12/13/17 Analyzed: 12/15/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.933*		mg/Kg	1.00		93.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.890*		mg/Kg	1.00		89.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.772*		mg/Kg	1.00		77.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.843*		mg/Kg	1.00		84.3	30-150			
LCS (B193114-BS1)				Prepared: 12/13/17 Analyzed: 12/15/17						
Aroclor-1016	0.74	0.10	mg/Kg	1.00		74.1	40-140			
Aroclor-1016 [2C]	0.82	0.10	mg/Kg	1.00		81.8	40-140			
Aroclor-1260	0.78	0.10	mg/Kg	1.00		77.7	40-140			
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		79.1	40-140			
Surrogate: Decachlorobiphenyl	*0.888*		mg/Kg	1.00		88.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.750*		mg/Kg	1.00		75.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.812*		mg/Kg	1.00		81.2	30-150			
LCS Dup (B193114-BSD1)				Prepared: 12/13/17 Analyzed: 12/15/17						
Aroclor-1016	0.91	0.10	mg/Kg	1.00		91.3	40-140	20.7	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		99.8	40-140	19.8	30	
Aroclor-1260	0.97	0.10	mg/Kg	1.00		96.5	40-140	21.6	30	
Aroclor-1260 [2C]	0.99	0.10	mg/Kg	1.00		99.0	40-140	22.3	30	
Surrogate: Decachlorobiphenyl	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.04*		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*0.859*		mg/Kg	1.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.00*		mg/Kg	1.00		100	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

12-9 PB08

Lab Sample ID: 17L0470-04 Date(s) Analyzed: 12/15/2017 12/15/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.56	
	2	0.000	0.000	0.000	0.57	0.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

1710470

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd Manchester CT 06040
Phone:	1-860-646-2469
Project Name:	Kent Public Library
Project Location:	50 North Main ST Suffield CT
Project Number:	20151259.A3E
Project Manager:	Bob May
Con-Test Quote Name/Number:	
Invoice Recipient:	Sara Owen sowen@fando.com
Sampled By:	Paul Bateman

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☒

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: rmay@fando.com
Fax To #: 1-888-838-1160

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc. Code	# of Containers	Preservation Code	Container Code	8082 Soxhlet	PCB Bulk
1	12-9 PBC 05 Basement by Dumbwaiter	12/9/17	Near Door	✓		SOL		4	H	G	X	X
2	12-9 PBC 06	12/9/17	Center	✓		SOL		4	H	G	X	X
3	12-9 PBC 07	12/9/17	Rear	✓		SOL		4	H	G	X	X
4	12-9 PBC 08 1st FL Front Center	12/9/17		✓		SOL		4	H	G	X	X

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Paul Bateman / Paul Bateman
Date/Time:	12/9/17
Received by: (signature)	
Date/Time:	12:20
Relinquished by: (signature)	
Date/Time:	5:35
Received by: (signature)	12/11/17
Date/Time:	1735
Relinquished by: (signature)	
Date/Time:	
Received by: (signature)	
Date/Time:	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☒ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fuss & O'Neill

Received By JM Date 12/11/17 Time 1735

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____ Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.2 By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified? ____

Are there Rushes? T Who was notified? Ray

Are there Short Holds? N/A Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	4
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

FUSS & O'NEILL
EnviroScience, LLC

Appendix L

Wipe Sample Laboratory Results for Encapsulated Surfaces, January 2018

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

January 11, 2018

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A4E
Laboratory Work Order Number: 18A0128

Enclosed are results of analyses for samples received by the laboratory on January 5, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 1/11/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A4E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18A0128

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1.4 PB 01	18A0128-01	Wipe	low lvl lobby door ceiling	SW-846 8082A	
1.4 PB 02	18A0128-02	Wipe	low lvl lobby middle column - inside	SW-846 8082A	
1.4 PB 03	18A0128-03	Wipe	low lvl lobby south ceiling	SW-846 8082A	
1.4 PB 04	18A0128-04	Wipe	low lvl lobby north column - inside	SW-846 8082A	
1.4 PB 05	18A0128-05	Wipe	upper lvl south column - inside	SW-846 8082A	
1.4 PB 06	18A0128-06	Wipe	upper lvl south column - inside - dup	SW-846 8082A	
1.4 PB 07	18A0128-07	Wipe	upper lvl south ceiling	SW-846 8082A	
1.4 PB 08	18A0128-08	Wipe	intermediate lvl north column	SW-846 8082A	
1.4 PB 09	18A0128-09	Wipe	intermediate lvl north ceiling	SW-846 8082A	
1.4 PB 10	18A0128-10	Wipe	S. side door to exterior	SW-846 8082A	
1.4 PB 11	18A0128-11	Wipe	N. side door to exterior	SW-846 8082A	
1.4 PB 12	18A0128-12	Wipe	N. side wall @ window - east up lvl	SW-846 8082A	
1.4 PB 13	18A0128-13	Wipe	S. side wall @ window east up lvl	SW-846 8082A	
1.4 PB 14	18A0128-14	Wipe	N side ceiling at E wiondow up lvl	SW-846 8082A	
1.4 PB 15	18A0128-15	Wipe	S side ceiling at east window up lvl	SW-846 8082A	
1.4 PB 16	18A0128-16	Wipe	S side intermediate lvl ceiling - west	SW-846 8082A	
1.4 PB 17	18A0128-17	Wipe	S side intermediate lvl ceiling - east	SW-846 8082A	
1.4 PB 18	18A0128-18	Wipe	N. side W - granite sill - exterior	SW-846 8082A	
1.4 PB 19	18A0128-19	Wipe	N. side E - granite sill - Exterior	SW-846 8082A	
1.4 PB 20	18A0128-20	Wipe	S. side W granite sill Exterior	SW-846 8082A	
1.4 PB 21	18A0128-21	Wipe	S. Side E granite sill exterior	SW-846 8082A	
1.4 PB 22	18A0128-22	Wipe	N. Side w - soffit - exterior	SW-846 8082A	
1.4 PB 23	18A0128-23	Wipe	N. Side e - soffit - exterior	SW-846 8082A	
1.4 PB 24	18A0128-24	Wipe	s. Side w - soffit - exterior	SW-846 8082A	
1.4 PB 25	18A0128-25	Wipe	s. Side e - soffit - exterior	SW-846 8082A	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: low lvl lobby door ceiling Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 01 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1254 [2]	0.21	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.1	30-150		1/9/18 21:45
Decachlorobiphenyl [2]	90.6	30-150		1/9/18 21:45
Tetrachloro-m-xylene [1]	91.4	30-150		1/9/18 21:45
Tetrachloro-m-xylene [2]	87.0	30-150		1/9/18 21:45

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: low lvl lobby middle column - inside Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 02 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		1/9/18 22:03
Decachlorobiphenyl [2]	91.0	30-150		1/9/18 22:03
Tetrachloro-m-xylene [1]	91.6	30-150		1/9/18 22:03
Tetrachloro-m-xylene [2]	85.5	30-150		1/9/18 22:03

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: low lvl lobby south ceiling Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 03 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		1/9/18 22:22
Decachlorobiphenyl [2]	92.4	30-150		1/9/18 22:22
Tetrachloro-m-xylene [1]	93.1	30-150		1/9/18 22:22
Tetrachloro-m-xylene [2]	87.8	30-150		1/9/18 22:22

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: low lvl lobby north column - inside Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 04 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.3	30-150		1/9/18 22:39
Decachlorobiphenyl [2]	82.5	30-150		1/9/18 22:39
Tetrachloro-m-xylene [1]	82.0	30-150		1/9/18 22:39
Tetrachloro-m-xylene [2]	77.7	30-150		1/9/18 22:39

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: upper lvl south column - inside Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 05 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		1/9/18 22:58
Decachlorobiphenyl [2]	96.2	30-150		1/9/18 22:58
Tetrachloro-m-xylene [1]	95.7	30-150		1/9/18 22:58
Tetrachloro-m-xylene [2]	90.2	30-150		1/9/18 22:58

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT | Sample Description: upper lvl south column - inside - dup | Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 06 | Sampled: 1/4/2018 00:00

Sample ID: 18A0128-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		1/9/18 23:16
Decachlorobiphenyl [2]	97.5	30-150		1/9/18 23:16
Tetrachloro-m-xylene [1]	98.8	30-150		1/9/18 23:16
Tetrachloro-m-xylene [2]	92.9	30-150		1/9/18 23:16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: upper lvl south ceiling Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 07 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1254 [1]	1.0	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		1/9/18 23:34
Decachlorobiphenyl [2]	91.6	30-150		1/9/18 23:34
Tetrachloro-m-xylene [1]	91.9	30-150		1/9/18 23:34
Tetrachloro-m-xylene [2]	87.1	30-150		1/9/18 23:34

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: intermediate lvl north column Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 08 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		1/9/18 23:53
Decachlorobiphenyl [2]	92.8	30-150		1/9/18 23:53
Tetrachloro-m-xylene [1]	94.2	30-150		1/9/18 23:53
Tetrachloro-m-xylene [2]	88.7	30-150		1/9/18 23:53

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: intermediate lvl north ceiling Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 09 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1254 [1]	0.53	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		1/10/18 0:11
Decachlorobiphenyl [2]	94.0	30-150		1/10/18 0:11
Tetrachloro-m-xylene [1]	95.9	30-150		1/10/18 0:11
Tetrachloro-m-xylene [2]	90.6	30-150		1/10/18 0:11

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S. side door to exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 10 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		1/10/18 0:29
Decachlorobiphenyl [2]	91.3	30-150		1/10/18 0:29
Tetrachloro-m-xylene [1]	90.3	30-150		1/10/18 0:29
Tetrachloro-m-xylene [2]	85.9	30-150		1/10/18 0:29

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. side door to exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 11 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		1/10/18 1:38
Decachlorobiphenyl [2]	93.2	30-150		1/10/18 1:38
Tetrachloro-m-xylene [1]	92.4	30-150		1/10/18 1:38
Tetrachloro-m-xylene [2]	87.4	30-150		1/10/18 1:38

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. side wall @ window - east up lvl Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 12 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.8	30-150		1/10/18 1:56
Decachlorobiphenyl [2]	87.9	30-150		1/10/18 1:56
Tetrachloro-m-xylene [1]	88.1	30-150		1/10/18 1:56
Tetrachloro-m-xylene [2]	82.9	30-150		1/10/18 1:56

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S. side wall @ window east up lvl Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 13 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-13

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		1/10/18 2:14
Decachlorobiphenyl [2]	93.5	30-150		1/10/18 2:14
Tetrachloro-m-xylene [1]	94.5	30-150		1/10/18 2:14
Tetrachloro-m-xylene [2]	88.3	30-150		1/10/18 2:14

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N side ceiling at E wiondow up lvl Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 14 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-14

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1254 [1]	0.88	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		1/10/18 2:32
Decachlorobiphenyl [2]	91.2	30-150		1/10/18 2:32
Tetrachloro-m-xylene [1]	92.2	30-150		1/10/18 2:32
Tetrachloro-m-xylene [2]	87.5	30-150		1/10/18 2:32

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S side ceiling at east window up lvl Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 15 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-15

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1254 [1]	1.3	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		1/10/18 2:51
Decachlorobiphenyl [2]	94.0	30-150		1/10/18 2:51
Tetrachloro-m-xylene [1]	98.4	30-150		1/10/18 2:51
Tetrachloro-m-xylene [2]	91.8	30-150		1/10/18 2:51

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT | Sample Description: S side intermediate lvl ceiling - west | Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 16 | Sampled: 1/4/2018 00:00

Sample ID: 18A0128-16

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1254 [1]	0.26	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	87.0	30-150		1/10/18	3:09
Decachlorobiphenyl [2]	79.1	30-150		1/10/18	3:09
Tetrachloro-m-xylene [1]	79.5	30-150		1/10/18	3:09
Tetrachloro-m-xylene [2]	75.5	30-150		1/10/18	3:09

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S side intermediate lvl ceiling - east Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 17 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-17

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1254 [1]	0.30	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.2	30-150		1/10/18 3:27
Decachlorobiphenyl [2]	89.0	30-150		1/10/18 3:27
Tetrachloro-m-xylene [1]	90.8	30-150		1/10/18 3:27
Tetrachloro-m-xylene [2]	85.4	30-150		1/10/18 3:27

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. side W - granite sill - exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 18 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-18

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1221 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1232 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1242 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1248 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1254 [2]	24	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1260 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1262 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1268 [2]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	132	30-150		1/10/18 8:18
Decachlorobiphenyl [2]	126	30-150		1/10/18 8:18
Tetrachloro-m-xylene [1]	114	30-150		1/10/18 8:18
Tetrachloro-m-xylene [2]	117	30-150		1/10/18 8:18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. side E - granite sill - Exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 19 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-19

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1221 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1232 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1242 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1248 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1254 [1]	22	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1260 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1262 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1268 [2]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	121	30-150		1/10/18	8:31
Decachlorobiphenyl [2]	114	30-150		1/10/18	8:31
Tetrachloro-m-xylene [1]	103	30-150		1/10/18	8:31
Tetrachloro-m-xylene [2]	103	30-150		1/10/18	8:31

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S. side W granite sill Exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 20 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-20

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1221 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1232 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1242 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1248 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1254 [2]	29	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1260 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1262 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1268 [2]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	121	30-150		1/10/18 8:45
Decachlorobiphenyl [2]	117	30-150		1/10/18 8:45
Tetrachloro-m-xylene [1]	103	30-150		1/10/18 8:45
Tetrachloro-m-xylene [2]	107	30-150		1/10/18 8:45

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S. Side E granite sill exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 21 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-21

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1254 [2]	1.8	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		1/9/18 17:00
Decachlorobiphenyl [2]	97.9	30-150		1/9/18 17:00
Tetrachloro-m-xylene [1]	95.9	30-150		1/9/18 17:00
Tetrachloro-m-xylene [2]	101	30-150		1/9/18 17:00

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. Side w - soffit - exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 22 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-22

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1221 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1232 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1242 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1248 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1254 [1]	8.9	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1260 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1262 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1268 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		1/10/18 10:02
Decachlorobiphenyl [2]	109	30-150		1/10/18 10:02
Tetrachloro-m-xylene [1]	106	30-150		1/10/18 10:02
Tetrachloro-m-xylene [2]	110	30-150		1/10/18 10:02

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. Side e - soffit - exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 23 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-23

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.7	30-150		1/9/18 17:35
Decachlorobiphenyl [2]	97.1	30-150		1/9/18 17:35
Tetrachloro-m-xylene [1]	95.2	30-150		1/9/18 17:35
Tetrachloro-m-xylene [2]	101	30-150		1/9/18 17:35

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: s. Side w - soffit - exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 24 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-24

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1221 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1232 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1242 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1248 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1254 [1]	4.9	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1260 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1262 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1268 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.2	30-150		1/10/18 10:15
Decachlorobiphenyl [2]	101	30-150		1/10/18 10:15
Tetrachloro-m-xylene [1]	102	30-150		1/10/18 10:15
Tetrachloro-m-xylene [2]	104	30-150		1/10/18 10:15

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: s. Side e - soffit - exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 25 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-25

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.1	30-150		1/9/18 18:11
Decachlorobiphenyl [2]	106	30-150		1/9/18 18:11
Tetrachloro-m-xylene [1]	107	30-150		1/9/18 18:11
Tetrachloro-m-xylene [2]	113	30-150		1/9/18 18:11

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
18A0128-01 [1.4 PB 01]	B194441	1.00	10.0	01/05/18
18A0128-02 [1.4 PB 02]	B194441	1.00	10.0	01/05/18
18A0128-03 [1.4 PB 03]	B194441	1.00	10.0	01/05/18
18A0128-04 [1.4 PB 04]	B194441	1.00	10.0	01/05/18
18A0128-05 [1.4 PB 05]	B194441	1.00	10.0	01/05/18
18A0128-06 [1.4 PB 06]	B194441	1.00	10.0	01/05/18
18A0128-07 [1.4 PB 07]	B194441	1.00	10.0	01/05/18
18A0128-08 [1.4 PB 08]	B194441	1.00	10.0	01/05/18
18A0128-09 [1.4 PB 09]	B194441	1.00	10.0	01/05/18
18A0128-10 [1.4 PB 10]	B194441	1.00	10.0	01/05/18
18A0128-11 [1.4 PB 11]	B194441	1.00	10.0	01/05/18
18A0128-12 [1.4 PB 12]	B194441	1.00	10.0	01/05/18
18A0128-13 [1.4 PB 13]	B194441	1.00	10.0	01/05/18
18A0128-14 [1.4 PB 14]	B194441	1.00	10.0	01/05/18
18A0128-15 [1.4 PB 15]	B194441	1.00	10.0	01/05/18
18A0128-16 [1.4 PB 16]	B194441	1.00	10.0	01/05/18
18A0128-17 [1.4 PB 17]	B194441	1.00	10.0	01/05/18
18A0128-18 [1.4 PB 18]	B194441	1.00	10.0	01/05/18
18A0128-19 [1.4 PB 19]	B194441	1.00	10.0	01/05/18
18A0128-20 [1.4 PB 20]	B194441	1.00	10.0	01/05/18

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
18A0128-21 [1.4 PB 21]	B194456	1.00	10.0	01/05/18
18A0128-22 [1.4 PB 22]	B194456	1.00	10.0	01/05/18
18A0128-23 [1.4 PB 23]	B194456	1.00	10.0	01/05/18
18A0128-24 [1.4 PB 24]	B194456	1.00	10.0	01/05/18
18A0128-25 [1.4 PB 25]	B194456	1.00	10.0	01/05/18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B194441 - SW-846 3540C										
Blank (B194441-BLK1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	ND	0.20	µg/100 cm2							
Aroclor-1016 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1221	ND	0.20	µg/100 cm2							
Aroclor-1221 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1232	ND	0.20	µg/100 cm2							
Aroclor-1232 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1242	ND	0.20	µg/100 cm2							
Aroclor-1242 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1248	ND	0.20	µg/100 cm2							
Aroclor-1248 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1254	ND	0.20	µg/100 cm2							
Aroclor-1254 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1260	ND	0.20	µg/100 cm2							
Aroclor-1260 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1262	ND	0.20	µg/100 cm2							
Aroclor-1262 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1268	ND	0.20	µg/100 cm2							
Aroclor-1268 [2C]	ND	0.20	µg/100 cm2							
Surrogate: Decachlorobiphenyl	*2.06*		µg/100 cm2	2.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.87*		µg/100 cm2	2.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/100 cm2	2.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.71*		µg/100 cm2	2.00		85.7	30-150			
LCS (B194441-BS1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	0.51	0.20	µg/100 cm2	0.500		103	40-140			
Aroclor-1016 [2C]	0.50	0.20	µg/100 cm2	0.500		100	40-140			
Aroclor-1260	0.52	0.20	µg/100 cm2	0.500		104	40-140			
Aroclor-1260 [2C]	0.52	0.20	µg/100 cm2	0.500		104	40-140			
Surrogate: Decachlorobiphenyl	*2.15*		µg/100 cm2	2.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.97*		µg/100 cm2	2.00		98.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.94*		µg/100 cm2	2.00		97.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.84*		µg/100 cm2	2.00		92.1	30-150			
LCS Dup (B194441-BSD1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	0.48	0.20	µg/100 cm2	0.500		96.2	40-140	6.38	30	
Aroclor-1016 [2C]	0.50	0.20	µg/100 cm2	0.500		100	40-140	0.206	30	
Aroclor-1260	0.51	0.20	µg/100 cm2	0.500		102	40-140	2.23	30	
Aroclor-1260 [2C]	0.51	0.20	µg/100 cm2	0.500		101	40-140	2.46	30	
Surrogate: Decachlorobiphenyl	*2.12*		µg/100 cm2	2.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.94*		µg/100 cm2	2.00		96.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.91*		µg/100 cm2	2.00		95.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.80*		µg/100 cm2	2.00		90.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B194456 - SW-846 3540C										
Blank (B194456-BLK1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	ND	0.20	µg/100 cm2							
Aroclor-1016 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1221	ND	0.20	µg/100 cm2							
Aroclor-1221 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1232	ND	0.20	µg/100 cm2							
Aroclor-1232 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1242	ND	0.20	µg/100 cm2							
Aroclor-1242 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1248	ND	0.20	µg/100 cm2							
Aroclor-1248 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1254	ND	0.20	µg/100 cm2							
Aroclor-1254 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1260	ND	0.20	µg/100 cm2							
Aroclor-1260 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1262	ND	0.20	µg/100 cm2							
Aroclor-1262 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1268	ND	0.20	µg/100 cm2							
Aroclor-1268 [2C]	ND	0.20	µg/100 cm2							
Surrogate: Decachlorobiphenyl	*1.83*		µg/100 cm2	2.00		91.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.98*		µg/100 cm2	2.00		98.9	30-150			
Surrogate: Tetrachloro-m-xylene	*2.01*		µg/100 cm2	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.08*		µg/100 cm2	2.00		104	30-150			
LCS (B194456-BS1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	0.56	0.20	µg/100 cm2	0.500		112	40-140			
Aroclor-1016 [2C]	0.55	0.20	µg/100 cm2	0.500		109	40-140			
Aroclor-1260	0.54	0.20	µg/100 cm2	0.500		109	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/100 cm2	0.500		101	40-140			
Surrogate: Decachlorobiphenyl	*1.93*		µg/100 cm2	2.00		96.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.11*		µg/100 cm2	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*2.01*		µg/100 cm2	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.10*		µg/100 cm2	2.00		105	30-150			
LCS Dup (B194456-BSD1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	0.57	0.20	µg/100 cm2	0.500		114	40-140	2.50	30	
Aroclor-1016 [2C]	0.52	0.20	µg/100 cm2	0.500		104	40-140	5.43	30	
Aroclor-1260	0.54	0.20	µg/100 cm2	0.500		109	40-140	0.0937	30	
Aroclor-1260 [2C]	0.48	0.20	µg/100 cm2	0.500		96.2	40-140	5.26	30	
Surrogate: Decachlorobiphenyl	*1.75*		µg/100 cm2	2.00		87.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.91*		µg/100 cm2	2.00		95.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.91*		µg/100 cm2	2.00		95.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.98*		µg/100 cm2	2.00		99.2	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

07

Lab Sample ID: 18A0128-07

Date(s) Analyzed: 01/09/2018 01/09/2018

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	0.91	9.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

09

Lab Sample ID: 18A0128-09 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.51	3.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

14

Lab Sample ID: 18A0128-14

Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.82	7.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

15

Lab Sample ID: 18A0128-15 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.2	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

16

Lab Sample ID: 18A0128-16 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.26	
	2	0.000	0.000	0.000	0.26	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

17

Lab Sample ID: 18A0128-17 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.30	
	2	0.000	0.000	0.000	0.30	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

18

Lab Sample ID: 18A0128-18

Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	23	
	2	0.000	0.000	0.000	24	4.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

19

Lab Sample ID: 18A0128-19 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	22	
	2	0.000	0.000	0.000	20	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20

Lab Sample ID: 18A0128-20 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	27	
	2	0.000	0.000	0.000	29	7.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

21

Lab Sample ID: 18A0128-21

Date(s) Analyzed: 01/09/2018 01/09/2018

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.8	18.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

22

Lab Sample ID: 18A0128-22 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	8.9	
	2	0.000	0.000	0.000	8.5	4.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

24

Lab Sample ID: 18A0128-24 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	4.9	
	2	0.000	0.000	0.000	4.6	6.3

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

18A0128

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Doc #378 Rev 1_03242017

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd
Phone:	1-860-646-2469
Project Name:	Kent Library
Project Location:	50 North Main ST Suffield CT
Project Number:	20151259. ~~A5~~ A4F
Project Manager:	Bob May
Con-Test Quote Name/Number:	
Invoice Recipient:	Sam Owens S.owen@fando.com
Sampled By:	Paul Bateman

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: 1-888-838-1160
Fax To #: kredfield@fando.com

ANALYSIS REQUESTED: Soxhlet 8082 PCB

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Area	Matrix Code	Volume (Liters / m³)	Soxhlet 8082 PCB	Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
1 1.4.18	01 Low lvl lobby Door Ceiling				100 cm²	Wipe		X					
2 1.4.18	02 Low lvl lobby middle column - Nich				↓	↓		X					
3 1.4.18	03 Low lvl lobby south Ceiling				↓	↓		X					
4 1.4.18	04 Low lvl lobby North column - Nich				↓	↓		X					
5 1.4.18	05 Upper level South column - Nich				↓	↓		X					
6 1.4.18	06 Upper level South Column - N. side + Dup				↓	↓		X					
7 1.4.18	07 Upper lvl south Ceiling				↓	↓		X					
8 1.4.18	08 Intermediate lvl North column				↓	↓		X					
9 1.4.18	09 Intermediate lvl North Ceiling				↓	↓		X					

Initial/Final/Lab Receipt Pressure units: " Hg

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other

Signature	Date/Time
Relinquished by: (signature) Paul Bateman	1/5/18
Received by: (signature) [signature] 2.6 PB	1/5/18 1632
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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Project Entity
☐ Government ☒ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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18A0128

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Doc #378 Rev 1_03242017

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 3

Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd
Phone:	1-860-646-2469
Project Name:	Kent Library
Project Location:	50 North Main ST Suffield CT
Project Number:	20151259. [illegible] A4E
Project Manager:	Bob May
Con-Test Quote Name/Number:	
Invoice Recipient:	Sam Owen S.owen@fando.com
Sampled By:	Paul Bateman

Requested Turnaround Time
- 7-Day ☐ 10-Day ☒
- Due Date:

Rush-Approval Required
- 1-Day ☐ 3-Day ☐
- 2-Day ☐ 4-Day ☐

Data Delivery
- Format: PDF ☒ EXCEL ☐
- Other:
- CLP Like Data Pkg Required: ☐
- Email To: 1-888-839-1160
- Fax To #: Kredfield@fando.com

ANALYSIS REQUESTED: Soxhlet 8082 PCBs

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Con-Test Work Order# (Lab Use)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Area 100 cm²	Matrix Code	Volume Liters / m³	Soxhlet 8082 PCBs	Initial Pressure ("Hg)	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	1.4.18 10 S side Door to exterior Jamb					Wipe		X					
11	11 N. Side Door to exterior Jamb							X					
12	12 N side wall @ window - East upper lvl							X					
13	13 S side wall @ window East upper lvl							X					
14	14 N side Ceiling at E window upper lvl							X					
15	15 S. side ceiling at East window upper lvl							X					
16	16 S side intermediate lvl Ceiling - West							X					
17	17 S side intermediate lvl - Ceiling East							X					
18	18 N side W - granite sill - exterior N							X					

Comments:
Paul Bateman

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
- SG = SOIL GAS
- IA = INDOOR AIR
- AMB = AMBIENT
- SS = SUB SLAB
- D = DUP
- BL = BLANK
- O = Other______

Signature	Date/Time
Relinquished by: (signature) Paul Bateman	1/5/18
Received by: (signature) [signature] 2.6 PB	1/5/18 1632
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
- MA
- CT
- Other:

Special Requirements
- ☐ MA MCP Required
- MCP Certification Form Required
- ☐ CT RCP Required
- RCP Certification Form Required
- ☐ Other

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Project Entity
- ☐ Government ☒ Municipality ☐ MWRA ☐ WRTA
- ☐ Federal ☐ 21 J ☐ School
- ☐ City ☐ Brownfield ☐ MBTA

Other
- ☐ Chromatogram
- ☐ AIHA-LAP,LLC

PCB ONLY
- ☒ Soxhlet
- ☐ Non Soxhlet

18A0128

con-test® ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc #378 Rev 1_03242017

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 3

Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd
Phone:	1-860-646-2469
Project Name:	Kent Library
Project Location:	50 North Main ST Suffield CT
Project Number:	20151259. ~~A3E~~ A4E
Project Manager:	Bob May
Con-Test Quote Name/Number:	
Invoice Recipient:	Sam Owen S.owen@fando.com
Sampled By:	Paul Bateman

Requested Turnaround Time
- ☐ 7-Day
- ☒ 10-Day
- Due Date:

Rush-Approval Required
- ☐ 1-Day
- ☐ 2-Day
- ☐ 3-Day
- ☐ 4-Day

Data Delivery
- Format: ☒ PDF ☐ EXCEL
- Other:
- CLP Like Data Pkg Required: ☐
- Email To: 1-888-838-1160
- Fax To #: Hredfield@fando.com

ANALYSIS REQUESTED: Soxhlet 8082 PCB

Con-Test Work Order# (Lab Use)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Area	Matrix Code	Volume Liters / m³	Soxhlet 8082 PCB	Initial Pressure	Final Pressure	Lab Receipt Pressure ("Hg)	Summa Can ID	Flow Controller ID
					100 cm²	Wipe							
19	19 N. side E - granite sill - Exterior					Wipe		X					
20	20 S. side W granite sill Exterior							X					
21	21 S. side E granite sill Exterior							X					
22	22 N side W - soffit - Exterior							X					
23	23 N side E - soffit - Exterior							X					
24	24 S side W soffit Exterior							X					
25	25 S. side E. soffit Exterior				↓	↓		X					

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:

Paul Bateman

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
- SG = SOIL GAS
- IA = INDOOR AIR
- AMB = AMBIENT
- SS = SUB SLAB
- D = DUP
- BL = BLANK
- O = Other______

	Date/Time:
Relinquished by: (signature) Paul Bateman	1/5/18
Received by: (signature) [signature] 2.6 PB	1/5/18 1632
Relinquished by: (signature)	
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
- MA
- CT
- Other:

Special Requirements
- ☐ MA MCP Required
- MCP Certification Form Required
- ☐ CT RCP Required
- RCP Certification Form Required
- ☐ Other

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- ☐ MBTA
- ☐ WRTA

Other
- ☐ Chromatogram
- ☐ AIHA-LAP,LLC

PCB ONLY
- ☒ Soxhlet
- ☐ Non Soxhlet

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fuss & O'Neill

Received By JM Date 1/5/18 Time 1632

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C SS T By Gun # 557 Actual Temp - 2.6
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? _____
Are there Rushes? N/A Who was notified? _____
Are there Short Holds? N/A Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	25
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

FUSS & O'NEILL
EnviroScience, LLC

Appendix M

Technical Specifications for PCB Abatement and Remediation

SECTION 02 84 34 – POLYCHORINATED BIPHENYL REMEDIATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. General Provisions of Contract, including General Supplementary Conditions shall apply to this Section.

B. Section 02 82 13 Asbestos Abatement

C. Section 07 92 00 Joint Sealers

D. Section 09 90 00 Paints and Coatings

E. All Division 22, 23, 26, 27, and 28 Sections for coordination of protections for required abatement.

1.2 CONSULTANT

A. The Owner shall retain a Consultant for the purposes of project management and monitoring during Polychlorinated Biphenyl (PCB) Remediation. The Consultant will represent the Owner in all phases of the abatement project at the discretion of the Owner. The PCB Abatement Contractor, Asbestos Abatement Contractor, (collectively the "Contractor") shall regard the Consultant's direction as authoritative and binding as provided herein, in matters particularly, but not limited to the following:

1. Work area approval
2. Monitoring results review
3. Various segments of work completion
4. Abatement final completion
5. Data submission review
6. Daily field punch list items

1.3 SCOPE OF WORK

A. Coordinate all work to protect existing electrical, data, plumbing, and fire protection equipment temporarily removed prior to abatement work. All materials to be temporarily supported shall be protected from damage and wrapped as necessary to seal during required abatement work. This shall include but not be limited to sealing of all equipment which remains in areas of abatement such as on walls, ceilings, and floors which are either mounted or disconnected and temporarily supported. Any openings created by removing items and fixtures shall be properly sealed and protected.

B. Work outlined in this Section includes all work necessary for the removal and disposal of the greater than or equal to (≥) 50 parts per million (ppm) PCB-containing material (PCB

Bulk Product Waste) as well as removal of materials containing > 1ppm but < 50 ppm PCB Waste materials for disposal as Connecticut Department of Energy and Environmental Protection (DEEP) waste materials. Work shall include encapsulation methods for porous surfaces upon removal of products and for coating of column and wall surfaces. See Related Sections for Paints and Coating products.

C. The Work of this Section includes the following:

1. Site preparation and controls to facilitate remediation of PCB Bulk Product Waste and PCB Containing Wastes. Containment procedures for materials referenced for the abatement zone must be utilized for PCB Bulk Product Waste and PCB Containing Wastes removal.
2. Health and Safety in accordance with Occupational Safety and Health Administration (OSHA) requirements.
3. Removal and disposal of interior caulking compounds at roof monitors as presumed PCB Bulk Product Waste. Upon completion encapsulate entire depth of joint and two inches on each side of joint with epoxy primer and finish coat. Install new caulk in accordance with section 07 92 00 for Joint Sealers.
4. Remove existing vinyl cove base and associated mastic adhesive as PCB Containing Waste < 50 ppm.
5. Remove existing 12 x 12 floor tile and associated mastic adhesives as PCB Containing Waste < 50 ppm. Materials also contain asbestos and work shall be coordinated with Section 02 82 13 for Asbestos Abatement.
6. Remove existing 2 x 2 ceiling tiles and associated glue daubs as PCB Containing Waste < 50 ppm. Materials also contain asbestos and work shall be coordinated with Section 02 82 13 for Asbestos Abatement.
7. Removal of all paints and sealants from existing ceilings and concrete beams associated with coffered ceiling systems throughout the facility. All waste materials from paint removal shall be considered PCB Bulk Product Waste for disposal. Ceiling tile and associated glue daubs shall be disposed of as asbestos and PCB Containing Waste <50 ppm.
8. All wood parquet style wood floors shall be removed and disposed. Materials contain >1 ppm in the sealant coating on floors and also > 1 ppm in mastics associated with wood. All wood materials shall be disposed of as PCB Containing Waste< 50 ppm.
9. All porous concrete floor surfaces shall be stripped of sealant coatings and mastics to substrate. Note carpet shall be removed for disposal prior to stripping of concrete floors. Sealant contains PCBs < 50 ppm and all removed carpet, stripping debris and dust shall be disposed of as PCB Containing Waste.
10. Auditorium porous brick floor surfaces shall be removed in their entirety including mortar due to the presence of sealants containing PCBs. Carpeting shall be removed from entire room. Sealants contains PCBs < 50 ppm and all removed brick, mortar, debris and dust shall be disposed of as PCB Containing Waste <50 ppm.
11. Entire ceilings and beams shall be cleaned of all surface dust and completely encapsulated with an epoxy primer sealer and epoxy finish coating.
12. All painted interior wall and columns (concrete, concrete block and brick) shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating.

13. Mechanical room ceiling shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating.
14. Roof monitor ceilings and concrete beams shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating. Includes all painted surfaces within interior of roof monitors including top side of coffered ceilings.
15. The Abatement Contractor shall conduct surface encapsulation of all existing porous surfaces on the exterior of the building where previous applications have been utilized. This includes concrete and granite sills. Existing acrylic products utilized shall be stripped to facilitate new product. The Abatement Contractor shall install a two-part epoxy product. A total of two coats are proposed as recommended by manufacturer's requirements.
16. One interior location at Lower level south window head at ceiling shall be re-encapsulated with existing single coat of acrylic product as recommended by manufacturer's requirements.
17. Removal, packaging, transportation, and disposal of containment, personal protection equipment (PPE), cleaning materials and supplies, and waste generated during removal of PCB Bulk Product Waste as PCB Remediation Waste at a facility permitted to accept PCB Remediation Waste.
18. Cleaning of the work areas following complete removal of PCB Bulk Product Waste PCB Containing Waste and PCB Remediation Waste.
19. Recordkeeping and distribution as required in accordance with EPA Title 40 CFR, Part 761.125 (c)(5).

1.4 USE OF THE CONTRACT DOCUMENTS

A. All work shall comply with the Contract Documents and with applicable codes, laws, regulations, and ordinances wherever applicable. The most stringent of all the foregoing shall govern the Work.

B. It is not intended that the Specifications show every detail of the Work, but the Contractor shall be required to furnish within the Contract Sum all materials and labor necessary for the completion of the Work in accordance with the intent of the Specifications.

C. In case of ambiguity among the Contract documents, the more stringent requirement as determined by the Consultant shall prevail.

D. The Work of this Contract includes making modifications as necessary, subject to approval by Owner in consultation with the Consultant, to correct any conflicts between Contract Documents.

E. All items, not specifically mentioned in the Specifications, but implied by trade practices to complete the Work, shall be included.

1.5 SITE EXAMINATION

A. It is understood that the Contractor has examined the Site and made their own estimates of the Site facilities and difficulties attending the execution of the Work, and has based their bid price thereon.

B. It shall be incumbent upon the Contractor to visit the Site and determine what exists, its condition, and what will be required to accomplish the Work intended by the Contract Documents. No increase in the Contract Sum will be permitted as a result of the Contractor's failure to visit the Site and understand the existing conditions.

C. Except for unforeseeable concealed conditions as determined by the Consultant, the Contractor shall make no claim for additional cost due to the existing Site conditions.

1.6 CONTRACTOR QUALIFICATIONS

A. All bidders shall submit a record of prior experience in PCB abatement projects, listing no less than three completed projects in the past year, with all projects of similar size and scope. The Contractor shall list the experience and training of the project supervisor and all on-site personnel. The information to be included is as follows:

1. Project Name and Address
2. Owner's Name and Address
3. Architect/Consultant
4. Contract Amount
5. Date of Completion
6. Extras and Changes

B. Submit a written statement regarding whether the Contractor has ever been cited for non-compliance with federal or state regulations pertaining to worker protection, removal, transport, or disposal related to PCBs or other hazardous materials.

1.7 CONSTRUCTION PROGRESS SCHEDULE

A. To assure adequate planning and execution of the Work and to assist the Consultant in reviewing the justification for the Contractor's applications for payment, the Contractor shall prepare and maintain a detailed Progress Schedule.

B. The Contractor shall supervise and direct all work of theirs and other trades using their best skill and attention. The Contractor shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the Work under the Contract.

C. Due to the nature of this construction work, the scheduling or phasing of work under this Contract may be adjusted by the Owner. As long as the scope of work is not altered, adjustments to the project phasing shall have no effect on the contract price.

D. The Contractor and any Subcontractors shall attend a pre-construction meeting. The assigned Supervisor must attend this meeting.

1.8 TESTING LABORATORY SERVICES

A. The Contractor shall submit to the Consultant the name, address, and qualifications of proposed laboratories intended to be utilized for sample analysis, as required by this Section.

1.9 ADDITIONAL GENERAL REQUIREMENTS

A. The Contractor shall employ a competent Supervisor with at least three years of experience on projects of similar scope and magnitude, who shall be responsible for all work involving PCB abatement, as described in this Specification, and defined in applicable regulations, and have full-time daily supervision of the same. The Supervisor shall be the competent person as defined by OSHA regulations.

B. The Contractor shall furnish all labor, materials, facilities, equipment, installation services, employee training, permits, licenses, certifications, agreements, and incidentals necessary to perform the specified work. Work shall be performed in accordance with the Contract Documents, the latest regulations from OSHA, the United State Environmental Protection Agency (EPA), and all other applicable federal, state, and local agencies. Whenever the requirements of the above references conflict or overlap, the more stringent provision shall apply.

C. All project personnel engaged in the work covered under this section shall be trained in accordance with OSHA Title 29 CFR, Parts 1910.1000 and 1910.1200.

D. This Section specifies the procedures for removal of an existing material containing PCBs in the form of interior caulk and paints as PCB Bulk Product Waste and waste materials containing PCBs < 50 ppm as Connecticut Department of Energy and Environmental Protection (CTDEEP) regulated waste materials. Note that these materials may also contain > 1% asbestos.

E. This Section also specifies the procedures for removal of containment, PPE, cleaning materials and supplies, and waste generated during removal of PCB Bulk Product Waste and PCB Containing waste materials for disposal of containment, PPE, cleaning materials and supplies, and waste generated during removal as PCB Remediation Waste.

F. Subsequent cleaning of all adjacent surfaces upon completion of Work is also included in this Section.

G. Disturbance or removal of PCB-containing material may cause a health hazard to workers and building occupants. The Contractor shall disclose to workers, supervisory personnel, sub-contractors, and consultants who will be at the Site of the seriousness of the hazard and proper work procedures that must be followed.

H. During performance of the Work, workers, supervisory personnel, Subcontractors, or consultants who may encounter, disturb, or otherwise function in the immediate vicinity of the PCB-containing material, shall take continuous measures as necessary to protect workers from the hazard of exposure. Such measures shall include the procedures and

methods described in this Section, OSHA regulations, EPA regulations, and local requirements, as applicable.

I. If requested or required by local, state, federal, and any other authorities having jurisdiction over such work, the Contractor shall allow the Work of this Contract to be inspected. The Contractor shall immediately notify the Owner and the Consultant, and shall maintain written evidence of such inspection for review by the Owner and the Consultant.

J. The Contractor shall incur the cost of all fines resulting from regulatory non-compliance, as issued by federal, state, and local agencies. The Contractor shall incur the cost of all work requirements mandated by federal, state, and local agencies as a result of regulatory non-compliance, or negligence.

K. The Contractor shall immediately notify the Owner and Consultant of the delivery of all permits, licenses, certificates of inspection, of approval, or occupancy, etc., and any other such instruments required under codes by authorities having jurisdiction, regardless of who issued, and shall cause them to be displayed to the Owner and Consultant for verification and recording.

1.10 PROJECT DESCRIPTION

A. The base bid includes the removal, packaging, transporting, and disposal of the PCB Bulk Product Waste and PCB Containing Waste as identified herein, conducted by workers in accordance with OSHA, EPA, and CTDEEP regulations. The base bid will include the cost for removal, packaging, transporting, and disposing PCB- Bulk Product Waste, PCB Containing Waste, and PCB Remediation Waste (containment, cleaning, and PPE materials).

B. The quantities listed herein are estimates only, and should be verified on-site by the Contractor.

C. This bid includes the following PCB Bulk Product Waste and PCB Containing Waste:

BASE BID

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Kent Memorial Library			
Interior Roof Monitors	Removal and disposal of caulking between roof panel joints and columns/beam as presumed PCB Bulk Product Waste > 50 ppm.	~800 LF	1, 2
Upper, Intermediate and Lower Levels (excludes recently Multi-purpose room and mechanical room)	Removal and disposal of vinyl cove base and associated mastic adhesive. Materials shall be disposed of as PCB Containing Waste< 50 ppm.	~800 LF	1, 3

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Lower Level Equipment Room; Lower Level Work Room; Lower Level Lounge; Lower Level Staff Toilet	Removal and disposal of 12 x 12 floor tile and associated mastic adhesive. Materials shall be disposed of as PCB Containing Waste< 50 ppm. Coordinate work with Asbestos Abatement Section 02 82 13 for combined waste disposal as interior flooring and mastic materials also contain asbestos.	~1,200 SF	1, 4
Interior all ceiling locations	Removal and disposal of Interior 2 x 2 ceiling tiles with asbestos containing glue daubs. Materials shall be disposed of as PCB Containing Waste< 50 ppm. Coordinate work with Asbestos Abatement Section 02 82 13 for combined waste disposal as glue daubs also contain asbestos.	~3,616 SF (estimated 904 2 x 2 tiles)	1, 5
Upper, Intermediate and Lower Levels (excludes recently Multi-purpose room and mechanical room)	Removal of all paint from existing ceilings and concrete beams associated with coffered ceiling systems throughout the facility. Dispose of all waste as PCB Bulk Product Waste > 50 ppm. Clean and Encapsulate ceilings and beams with epoxy primer and finish coats.	~26,000 SF	1, 6, 10
Upper, and Intermediate Levels (Including materials formerly under shelving)	The Abatement Contractor shall demolish and remove all existing parquet style wood floors for disposal.	~2,500 SF	1, 7
Lower Level Auditorium, Office and Records Room; Upper level north, center and south, Intermediate level north and Lower Levels north on First Floor	All porous concrete floor surfaces shall be stripped of sealant coatings and mastics using mechanical sanders equipped with HEPA shrouds to remove to substrate. Carpeting covering existing concrete floors shall be removed in its entirety for disposal. All carpeting, stripping debris and dust shall be disposed of as PCB Containing Waste< 50 ppm.	~4,700 SF (550 SF no carpet)	1, 8
Lower Level Auditorium	All porous brick floor surfaces shall be removed in their entirety including mortar due to presence of sealant coatings. Materials shall be disposed of as PCB Containing Waste< 50 ppm.	~200 SF	1, 9
Upper, Intermediate and Lower Levels including ramps	All painted interior wall and columns (concrete, concrete block and brick) shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating.	~10,500 SF	1, 11

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Lower Levels Mechanical room	Mechanical room ceiling shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating.	~1,200 SF	1, 12
Upper, Intermediate and Lower Level Roof Monitors	All painted interior ceilings associated with roof monitors (concrete) shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating.	~1,800 SF	1, 13
Exterior Windows and Doors	Conduct surface encapsulation of all existing porous surfaces on the exterior granite sills and concrete beams where previous applications have been utilized.	~875 LF	1, 14
Interior Concrete Beams	Conduct surface encapsulation of existing porous surfaces on the interior of the building where previous applications have been utilized.	~875 LF	1, 15

LF = Linear Feet, SF = Square Feet

Notes:

1. Quantities shall be verified by Contractor during the time of mandatory the walk-through. Discrepancies of amounts and/or locations of asbestos-containing materials shall be addressed prior to bidding the work to the Owner and Consultant.
2. Remove and dispose of interior caulking compounds at roof monitors as presumed PCB Bulk Product Waste at a facility permitted to accept PCB Bulk Product Waste. Upon completion clean to remove all surface dust and caulk residue and encapsulate entire depth of joint and two inches on each side of joint with epoxy primer and finish coat in accordance with requirements for surface preparations for encapsulant coatings. Refer to Section 09 90 00 for Paints and Coatings for encapsulant products. Re-caulk joints with caulk in accordance with Section 07 92 00 for Joint Sealers.
3. Remove existing vinyl cove base and associated mastic adhesive as PCB Containing Waste < 50 ppm. Care shall be taken to avoid damage to existing walls and ensure all mastic is removed. Work shall be conducted as part of flooring removal work and prior to encapsulation of walls.
4. All materials associated with the floor tile or any flooring materials and mastic shall be removed and disposed of as asbestos, including, but not limited to, adhesives, leveling compounds, concrete toppings, etc. (all layers down to original substrate). Note materials also contain PCBs >1 ppm but < 50 ppm and shall require disposal as a combination mixed waste. Refer to specification section 02 84 34 for additional requirements for PCBs.
5. All materials associated with the ceiling tile and glue daub shall be removed and disposed of as asbestos and PCB waste. Note materials also contain PCBs >1 ppm but < 50 ppm and shall require disposal as a combination mixed waste. Refer to specification section 02 84 34 for additional requirements for PCBs.
6. Removal of all paint from existing ceilings and concrete beams associated with coffered ceiling systems throughout the facility. Prior to removal of paint existing acoustic ceiling tiles and glue daubs which contain asbestos shall be removed (refer also to Section 02 82 13 for asbestos abatement). Paint shall be removed using

manual scraping, wire brushes or limited use of rotary grinders. Finish shall be smooth and care taken to not significantly impact existing porous finish surfaces. All waste materials from paint removal shall be considered PCB Bulk Product Waste for disposal as concentrations identified $\geq$ 50 ppm. Ceiling tile and associated glue daubs shall be disposed of as asbestos and PCB Containing Waste <50 ppm.

7. The Abatement Contractor shall demolish and remove all existing parquet style wood floors for disposal. Materials contain >1 ppm in the sealant coating on floors and also > 1 ppm in mastics associated with wood. All wood materials shall be disposed of as PCB Containing Waste< 50 ppm.
8. All porous concrete floor surfaces shall be stripped of sealant coatings and mastics using mechanical sanders (blast tract) equipped with HEPA filtration to remove to bare substrate. All carpeting covering concrete shall be removed for disposal. Finish shall be smooth and care taken to not significantly impact existing porous finish surfaces. Sealants and mastics contain PCBs < 50 ppm and all removed carpeting, stripping debris and dust shall be disposed of as PCB Containing Waste <50 ppm. Post verification sampling by the consultant shall be conducted to confirm PCBs effectively removed. All surfaces shall be cleaned to remove surface dust meeting requirements for surface preparations for new sealant coatings. Refer to Section 09 90 00 for Paints and Coatings.
9. All porous brick floor surfaces shall be removed in their entirety including mortar due to the presence of sealants containing PCBs. Sealants contain PCBs < 50 ppm and all removed brick, mortar, debris and dust shall be disposed of as PCB Containing Waste <50 ppm.
10. After completion of paint removal work on all ceilings and concrete beams surfaces shall be cleaned to remove surface dust meeting requirements for surface preparations for encapsulant coatings. Refer to Section 09 90 00 for Paints and Coatings. Ceilings and beams shall be encapsulated with an epoxy primer sealer and epoxy finish coating. For bare concrete ceilings associated finish coat may require multiple applications. Care shall be taken to back roll ceilings to prevent dripping of encapsulant products.
11. After completion of paint removal work on all ceilings and concrete beams all painted interior wall and columns (concrete and brick) shall be cleaned to remove surface dust meeting requirements for surface preparations for encapsulant coatings. Refer to Section 09 90 00 for Paints and Coatings. All painted wall and column surfaces shall be encapsulated with an epoxy primer sealer and epoxy finish coating.
12. Mechanical room ceiling shall be cleaned to remove surface dust meeting requirements for surface preparations for encapsulant coatings. Refer to Section 09 90 00 for Paints and Coatings. All exposed ceiling surfaces shall be encapsulated to the extent possible due to the extensive mechanical equipment present in the location. Encapsulate surfaces with an epoxy primer sealer and epoxy finish coating. Care shall be taken to back roll ceilings to prevent dripping of encapsulant products.
13. Roof monitor ceilings and concrete beams shall be cleaned to remove surface dust meeting requirements for surface preparations for encapsulant coatings. Refer to Section 09 90 00 for Paints and Coatings. All painted surfaces within interior of roof monitors including top side of coffered ceilings shall be encapsulated with an epoxy primer sealer and epoxy finish coating. Care shall be taken to back roll ceilings to prevent dripping of encapsulant products.

14. The Abatement Contractor shall conduct surface encapsulation of all existing porous surfaces on the exterior of the building where previous applications of Encapsulant have been utilized. This includes concrete and granite sills, heads, and columns associated with windows and doors. Existing acrylic products utilized shall be stripped to facilitate new product. The Abatement Contractor shall install a two-part epoxy product. A total of two coats are proposed as recommended by manufacturer's requirements. Refer to Section 09 90 00 for Paints and Coatings.
15. Additionally, all interior locations shall be re-encapsulated. Existing acrylic products utilized such as Sikagard 670 W Clear Acrylic shall be re-installed to provide additional coverage in accordance with manufacturer's requirements. Refer to Section 09 90 00 for Paints and Coatings.

D. Safety Data Sheets (SDS) for chemicals to be used during the project must be submitted to the Consultant prior to Site delivery.

E. The Contractor shall be responsible for providing temporary water, power, and heat as needed at the Site. Temporary lighting within the work areas must be connected to Ground Fault Circuit Interrupter (GFCI) power panels, installed by a State of Connecticut-licensed electrician, permitted as required, and located outside of the work area.

1.11 DEFINITIONS

A. The following definitions relative to PCB abatement shall apply:

1. Abatement - Procedures to control PCB release from PCB Bulk Product Waste and PCB Remediation Waste; includes removal, encapsulation, and enclosure.
2. Air Monitoring - The process of measuring PCB concentrations of an area or exposure of a person.
3. CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act (Title 42 CFR, Parts 9601-9657).
4. Chemical Waste Landfill - A landfill at which protection against risk of injury to health or the environment from migration of PCBs to land, water, or the atmosphere is provided from PCBs and PCB Items deposited therein by locating, engineering, and operating the landfill as specified in EPA Title 40 CFR, Part 761.75.
5. Cleanup Site - The areal extent of contamination and all suitable areas in very close proximity to the contamination necessary for implementation of a cleanup of PCB Remediation Waste, regardless of whether the Site was intended for management of waste.
6. Competent Person - As defined by OSHA, a representative of the Contractor who is capable of identifying existing PCBs hazards in the workplace and selecting the appropriate control strategy for PCB exposure. Person who has authority to take prompt corrective measures to eliminate such hazards during PCB removal.
7. Consultant – Fuss & O'Neill EnviroScience, LLC
8. Containment – An enclosure within the building which establishes a contaminated area, and surrounds the location where PCB and/or other toxic or hazardous substance removal is performed, and establishes a Control Work Area.

9. Designated Facility – An off-site disposer or commercial storer of PCB-containing waste designated on the manifest as the facility that will receive a manifested shipment of PCB containing waste.
10. Disposal – An intentional or accidental act of discarding, throwing away, completing, or terminating the useful life of PCBs and PCB-containing items. Disposal includes spills, leaks, and other uncontrolled discharges of PCBs, as well as actions related to containing, transporting, destroying, degrading, decontaminating, or confining PCBs and PCB items.
11. DOT – The United States Department of Transportation.
12. EPA Identification Number - The 12-digit number assigned to a facility by EPA upon notification of PCB waste activity under EPA Title 40 CFR, Part 761.205.
13. Excluded PCB Product – A PCB-containing material which is determined by laboratory analysis to contain concentrations of PCBs less than 50 ppm, and meets the requirements of EPA Title 40 CFR, Part 761.3.
14. Fixed Object – Mechanical equipment, electrical equipment, fire detection systems, alarms, or all other fixed equipment, fixtures, or items which cannot be removed from the work area.
15. Generator of PCB Waste - Any person who acts, processes, or produces PCBs that are regulated for disposal under EPA Title 40 CFR, Part 761, Subpart D, whose act first causes PCBs or PCB-containing -items to become subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D, or who has physical control over the PCBs when a decision is made that the use of the PCBs has been terminated, and is therefore subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D. Unless another provision of EPA Title 40 CFR, Part 761 specifically requires a site-specific meaning, "generator of PCB waste" includes all of the sites of PCB waste generation owned or operated by the person who generates PCB waste.
16. GFCI – Ground Fault Circuit Interrupter
17. HEPA – High Efficiency Particulate Air
18. HEPA Filter - Filter in compliance with ANSI Z9.2 1979.
19. HEPA Vacuum Equipment - Vacuum equipment equipped with a HEPA filter system for filtering the air effluent.
20. High Occupancy Area – Any area where PCB Remediation Waste has been disposed on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: 840 hours or more (an average of 16.8 hours or more per week) for non-porous surfaces and 335 hours or more (an average of 6.7 hours or more per week) for PCB Remediation Waste. Examples might include a residence, school, day care center, sleeping quarters, a single or multiple occupancy 40-hours per week work station, a school classroom, a cafeteria in an industrial facility, a control room, or a work station at an assembly line.
21. Incinerator - An engineered device using controlled flame combustion to thermally degrade PCBs and PCB Items. Examples of devices used for incineration include rotary kilns, liquid injection incinerators, cement kilns, and high temperature boilers.
22. Laboratory - A facility that analyzes samples for PCBs and is unaffiliated with any entity whose activities involve PCBs.
23. Large PCB Mark (M_L) - Mark that includes letters and striping on a white or yellow background, and shall be sufficiently durable to equal or exceed the life (including storage for disposal) of the PCB Article, PCB Equipment, or PCB Container. The

size of the mark shall be at least six inches (6") on each side. If the PCB Article or PCB Equipment is too small to accommodate this size, the mark may be reduced in size proportionately down to a minimum of two inches on each side.

24. Liquid PCBs – A homogenous flowable material containing PCBs, and no more than 0.5 percent by weight of non-dissolved material.
25. Low Occupancy Area - Any area where PCB Remediation Waste has been disposed on-site, and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: less than 840 hours (an average of 16.8 hours per week) for non-porous surfaces and less than 335 hours (an average of 6.7 hours per week) for PCB Remediation Waste. Examples might include an electrical substation or a location in an industrial facility where a worker spends small amounts of time per week (such as an un-occupied area outside a building, an electrical equipment vault, or in the non-office space in a warehouse where occupancy is transitory).
26. Manifest – The shipping document EPA form 8700–22, and any continuation sheet attached to EPA form 8700–22, originated and signed by the generator of PCB-containing waste.
27. Mark – The descriptive name, instructions, cautions, or other information applied to PCBs, and PCB Items, or other objects.
28. Marked - The marking of PCB Items and PCB storage areas and transport vehicles by means of applying a legible mark by painting, fixation of an adhesive label, or by any other method that meets the requirements of the EPA Title 40 CFR, Part 761.
29. Movable Object - Unit of equipment of furniture in the work area that can be removed from the work area.
30. Municipal Solid Waste - Garbage, refuse, sludges, wastes, and other discarded materials resulting from residential and non-industrial operations and activities, such as household activities, office functions, and commercial housekeeping wastes.
31. Negative Air Pressure Equipment - A portable local exhaust system equipped with HEPA filtration used to create negative pressure in a regulated area (negative with respect to adjacent unregulated areas), and capable of maintaining a constant, low velocity air flow into regulated areas from adjacent unregulated areas.
32. Non-Liquid PCBs - Materials containing PCBs that by visual inspection do not flow at room temperature (25°C or 77°F), or from which no liquid passes when a 100 gram or 100 milliliter representative sample is placed in a mesh number 60 ±5 percent paint filter and allowed to drain at room temperature for five minutes.
33. Non-Porous Surface – A smooth, unpainted solid surface that limits penetration of liquid- containing PCBs beyond the immediate surface. Examples include smooth uncorroded metal, natural gas pipe with a thin porous coating originally applied to inhibit corrosion, smooth glass, smooth glazed ceramics, impermeable polished building stone such as marble or granite, and high density plastics, such as polycarbonates and melamines, which do not absorb organic solvents.
34. On-Site - Within the boundaries of a contiguous property unit.
35. Owner – Town of Suffield
36. PCB(s) – A chemical substance that is limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances that contain such substance. Refer to EPA Title 40 CFR, Part 761.1(b) for applicable concentrations of PCBs. PCB and PCBs as contained in PCB items are defined in EPA Title 40 CFR, Part 761.3.

37. PCB Article – A manufactured article, other than a PCB Article Container, that contains PCBs and whose surface(s) has been in direct contact with PCBs. Includes capacitors, transformers, electric motors, pumps, pipes, and other manufactured item which (1) is formed to a specific shape or design during manufacture, (2) has end use function(s) dependent in whole or in part upon its shape or design during end use, and (3) has either no change of chemical composition during its end use, or only those changes of composition that have no commercial purpose separate from that of the PCB Article.
38. PCB Article Container – A package, can, bottle, bag, barrel, drum, tank, or other device used to contain PCB Articles or PCB Equipment, and whose surface(s) has not been in direct contact with PCBs.
39. PCB Bulk Product Waste – A waste derived from manufactured products containing PCBs in a non-liquid state, at any concentration where the concentration at the time of designation for disposal is greater than (≥) 50 ppm PCBs. Does not include PCBs or PCB Items regulated for disposal under EPA Title 40 CFR Parts 761.60(a)-(c), 7611.61, 761.63, or 761.64. PCB Bulk Product Waste is further defined in EPA Title 40 CFR, Part 761.3.
40. PCB Capacitor – A capacitor that contains ≥ 500 ppm PCBs. Concentration assumptions applicable to capacitors appear under EPA Title 40 CFR, Part 761.2.
41. PCB-Containing Materials – For the purposes of this Work means those materials containing < 50 ppm PCBs, which have been documented as Excluded PCB Products, and are therefore not subject to the requirements of EPA Title 40 CFR, Part 761, but include CTDEEP regulated concentrations of PCBs requiring proper removal and disposal in accordance with this Section.
42. PCB Equipment – A manufactured item, other than a PCB Article Container, which contains a PCB Article or other PCB Equipment, and includes microwave ovens, electronic equipment, and fluorescent light ballasts and fixtures.
43. PCB Item – A PCB Article, PCB Article Container, PCB Container, PCB Equipment, or anything that deliberately or unintentionally contains, or has as a part of it any PCB or PCBs.
44. PCB Remediation Waste – Waste containing PCBs in concentrations greater than 1 ppm as a result of a spill, release, or other unauthorized disposal.
45. PCB Waste(s) – PCBs and PCB Items that are subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D.
46. Porous Surface – A 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 a porous glaze, porous building stone such as sandstone, travertine, limestone, or coral rock, low-density plastics such as Styrofoam and low-density polyethylene (poly), coated (varnished or painted) or uncoated wood, concrete or cement, plaster; plasterboard, wallboard, rubber, fiberboard, chipboard, asphalt, or tar paper. For purposes of cleaning and disposing of PCB Remediation Waste, porous surfaces have different requirements than non-porous surfaces.
47. RCRA - The Resource Conservation and Recovery Act (EPA Title 40 CFR, Parts 260 - 265).
48. Regulated Work Area - An area established by the employer to demarcate where PCB abatement is conducted and any adjoining area where debris, and waste from such abatement work accumulate.

49. Standard Wipe Sample – A sample collected for chemical extraction and analysis using the standard wipe test as defined in EPA Title 40 CFR, Part 761.123. Except as designated elsewhere in EPA Title 40 CFR. Part 761, the minimum surface area to be sampled shall be 100 square centimeters (cm^2).
50. Storage for Disposal - Temporary storage area for PCBs that have been designated for disposal.
51. SW–846 - The document having the title "SW-846, Test Methods for Evaluating Solid Waste".
52. Totally Enclosed Manner – A manner that will ensure no exposure of human beings or the environment to a concentration of PCBs.
53. Transfer Facility – A transportation-related facility including loading docks, parking areas, and other similar areas where shipments of PCB waste are held during normal transportation. Transport vehicles are not transfer facilities under this definition, unless they are used for the storage of PCB waste, rather than for actual transport activities. Storage areas for PCB waste at transfer facilities are subject to the storage facility standards of EPA Title 40 CFR, Part 761.65, but such storage areas are exempt from the approval requirements of EPA Title 40 CFR, Part 761.65(d) and the recordkeeping requirements of EPA Title 40 CFR, Part 761.180, unless the same PCB waste is stored there for a period of more than 10 consecutive days between destinations.
54. Transporter of PCB Waste - For the purposes of Title 40 CFR, Part 761, Subpart K, any person engaged in the transportation of regulated PCB waste by air, rail, highway, or water for purposes other than consolidation by a generator.
55. Transport Vehicle – A motor vehicle or rail car used for the transportation of cargo by any mode. Each cargo-carrying body (e.g., trailer, railroad freight car) is a separate transport vehicle. TSCA means the Toxic Substances Control Act (15 U.S.C. 2601 et seq.).
56. TSCA - The Toxic Substances Control Act (15 U.S.C. 2601 et seq.).

1.12 SUBMITTALS

A. The Contractor shall submit the following to the Consultant in one complete package prior to the pre-construction meeting, and no later than 10 business days prior to the anticipated start of the Work:

1. Site-Specific Health and Safety Plan (HASP): The Contractor shall prepare a site-specific HASP plan for protection of workers and control of the work site in accordance with OSHA regulatory requirements (Title 29 CFR, Part 1910.120). The HASP shall govern all work conducted at the site during the removal of PCB-Containing Materials and related debris, waste handling, sampling, waste management, and waste transportation. At a minimum, the HASP shall address the requirements set forth in OSHA Title 29 CFR, Part 1910.120, as further outlined below:
    a. Health and Safety Organization
    b. Site Description and Hazard Assessment
    c. Training
    d. Medical Surveillance
    e. Work Areas

f. Personal Protective Equipment
g. Personal Hygiene and Decontamination
h. Standard Operating Procedures and Engineering Controls
i. Emergency Equipment and First Aid Provisions
j. Equipment Decontamination
k. Air Monitoring
l. Telephone List
m. Emergency Response and Evacuation Procedures and Routes
n. Site Control
o. Permit-Required Confined Space Procedures
p. Spill Prevention and Countermeasure Contingency Plan (SPCC)
q. Heat and Cold Stress
r. Recordkeeping
s. Community Protection Plan

2. Employee Training, Medical, and Fit Test Documentation: The Contractor submit the following documentation:
   a. Documentation of 40-Hour OSHA HAZWOPER Training for all employees and Sub-contractors to be used for the removal work.
   b. Medical clearance and respirator fit test records of each employee who may be on the project site.
3. PCB and or other Toxic or Hazardous Substances Disposal Plan: A written plan that details the Contractor's plan for transportation and disposal of PCB-Containing Materials, or other Toxic or Hazardous Substance wastes generated during the project. The Disposal Plan shall identify:
   a. The Contractor's insurance certificate and landfill's operating permits and insurance certificates.
   b. Waste packaging, labeling, placarding, and manifesting procedures.
   c. The name, address, and 24-hour contact number for the proposed treatment or disposal facility, or facilities to which waste generated during the project will be transported.
   d. The name, address, contact person(s) and state-specific permit numbers for proposed waste transporters, and EPA and DOT identification number for firms that will transport PCB Bulk Product Waste and PCB-Containing Material waste.
   e. The name, address, contact person(s) and state-specific permit numbers for proposed waste transporters, and EPA and DOT identification number for firms that will transport materials containing combined asbestos and PCB Bulk Product Waste and/or PCB-Containing Material waste.
   f. The route(s) by which the waste will be transported to the designated disposal facility, and states or territories through which the waste will pass.
4. Safety Data Sheets (SDS): SDS and manufacturer's information shall be provided for all chemicals and materials to be used during the project including, but not limited to: specialty cleaners and chemical stripping products.
5. Air Sampling Professional Qualifications: The qualifications of the air sampling professional that the Contractor proposed to use for this project to perform OSHA-required employee exposure monitoring.

B. The following documents shall be submitted to the Consultant within 15 working days following removal of waste from the Site:

1. Waste Profile Sheets including but not limited to PCB Bulk product Waste (>50 ppm), PCB Containing Waste (<50 ppm), PCB combined asbestos and PCB Bulk Product Waste, PCB combined asbestos and PCB Containing Waste and PCB Remedial Waste (containment, cleaning and PPE Materials).
2. Waste Manifests signed by the disposal facility
3. Tipping Receipts provided by the disposal facility
4. Certification of Final Treatment/Disposal signed by the responsible disposal facility official.

C. The following shall be submitted to the Consultant at the completion of the Work:

1. Disposal Site Receipts: Copy of waste shipment record(s) and disposal site receipt(s) that indicate that PCB- Waste Materials or other Toxic, or Hazardous Substances materials have been properly disposed. Individual waste streams noted above shall be documented for disposal and records for each waste stream provided to the Owner and Consultant.
2. Product Data: Catalog sheets, specifications, and application instructions for any removal products, if used.

1.13 REGULATIONS AND STANDARDS

A. The Contractor shall be solely responsible for conducting this project and supervising all work in a manner that will be in conformance with all federal, state, and local regulations and guidelines pertaining to PCB abatement. Specifically, the Contractor shall comply with the requirements of the following:

1. EPA TSCA (Title 40 CFR, Part 761);
2. OSHA Hazardous Waste Operations and Emergency Response Regulations (Title 29 CFR, Parts 1910.120);
3. OSHA Respiratory Protection Standard (Title 29 CFR, Part 1910.134)
4. OSHA Hazard Communication (Title 29 CFR, Part 1910.1200)
5. Department of Transportation (DOT) Hazardous Waste Transportation Regulations (Title 49 CFR, Parts 170 – 180).
6. CTDEEP Regulations;
7. 2003 International Building Code as adopted by the 2005 State of Connecticut Building Code including the 2009, 2011, and 2013 amendments;
8. Life Safety Code (National Fire Protection Association [NFPA]);
9. Local health and safety codes, ordinances, or regulations pertaining to PCB remediation and all national codes and standards including ASTM, ANSI, and Underwriter's Laboratories.

1.14 POSTING AND RECORD MAINTENANCE REQUIREMENTS

A. The following items shall be conspicuously displayed proximate but outside of removal work areas.

1. Exit Routes: Emergency exit procedures and routes
2. Emergency Phone Numbers: A list indicating the telephone numbers and locations of the local hospital(s); the local emergency squad; the local fire department, the local police department, the Poison Control Center, Chemical Emergency Advise (CHEMTREC), the local Department of Health's local office, the Remediation Contractor (on-site and after hours numbers), and the environmental consultant (on-site and after hours contact numbers).
3. Warning Signs: Warning signs shall be in English and the language of any workers on-site who do not speak English, and be of sufficient size to be clearly legible and display the following or similar language in accordance with OSHA Title 29 CFR, Part 1910.1200:

WARNING
HAZARDOUS WASTE WORK AREA
PCBs-POISON
NO SMOKING, EATING OR DRINKING
AUTHORIZED PERSONNEL ONLY
PROTECTIVE CLOTHING IS REQUIRED IN THIS AREA

B. In addition, all entrances to work areas shall be posted with a PCB ML large marker.

C. The Contractor shall maintain the following items on-site and available for review by all employees and authorized visitors:

1. Contractor's Site-Specific HASP.
2. Documentation of Training, Medical Clearance, and Fit Test Records for all employees and the project Supervisor.
3. Codes, Standards, and Publications.
4. SDS for all chemicals used during the project.
5. Copies of Contractor's written hazard communication, respiratory protection, and confined space entry programs.

D. Fees, Permits, and Licenses: The Contractor shall pay all licensing fees, royalties, and other costs necessary for the use of any copyrighted or patented product, design, invention, or processing in the performance of the work specified in this Section.

E. The Contractor shall be solely responsible for costs, damages, or losses resulting from any infringement of these patent rights or copyrights. The Contractor shall hold the Owner and the Consultant harmless from any costs, damages, and losses resulting from any infringement of these patent rights or copyrights.

F. The Contractor shall be responsible for securing all necessary permits for work under this Section, including hauling, removal, and disposal, fire, and materials usage, or any other permits required to perform the specified work.

1.15 MINIMUM REQUIREMENTS FOR WORKER HEALTH AND SAFETY

A. The Contractor is responsible and liable for the health and safety of all on-site personnel and the off-site community affected by the Work. All on-site workers or other persons

entering the abatement work areas, decontamination areas, or waste handling and staging areas shall be knowledgeable of and comply with the requirements of the site-specific HASP at all times. The Contractor's HASP shall comply with all applicable federal, state, and local regulations protecting human health and the environment from the hazards posed by the Work.

B. Consistent disregard for the provisions of the HASP shall be deemed as sufficient cause for immediate stoppage of work and termination of the Contract or any Sub-contracts without compromise or prejudice to the rights of the Owner or Consultant.

C. Any discrepancies between the Contractor's HASP and these Specifications or federal, state, and local regulations shall be resolved in favor of the more stringent requirements that provide the highest degree of protection to the project personnel, the surrounding community, and the environment.

D. In addition to exposure concerns relating to the presence of PCBs, other health and safety considerations will apply to the Work. The Contractor shall be responsible for recognizing such hazards and shall be responsible for the health and safety of the Contractor's employees at all times. It is the Contractor's responsibility to comply with all applicable health and safety regulations.

E. The HASP shall be reviewed by all personnel prior to entry into the abatement, decontamination, or waste staging areas. Includes representatives of the Contractor, Owner, Consultant, Subcontractor(s), Waste Transporter or Federal, State, or Local Regulatory Agencies. Such review shall be acknowledged and documented by the Contractor Site Supervisor by obtaining the name, signature, and affiliation of all personnel reviewing the HASP.

F. The HASP shall be maintained so as to be readily accessible and reviewable by all site personnel throughout the duration of the abatement project, and until all waste materials are removed from the Site, and disposed at the appropriate disposal facility.

G. The Contractor Site Supervisor shall be responsible for ensuring that project personnel and site visitors are informed of and comply with the provisions of the HASP.

1.16 WORK AREAS AND ZONES

A. The Contractor shall lay-out and clearly identify work areas in the field. Access by equipment, site personnel, and the public to the work areas shall be limited as follows:

1. Abatement Zone: The Abatement Zone(s) shall consist of all areas where removal of PCB Bulk Product Waste and PCB-Containing Materials and other Toxic or Hazardous Substances, and waste handling and staging activities are on-going and the immediately surrounding locale or other areas where contamination could occur. Each Abatement Zone for purposes of removal and disposal shall be performed within a regulated work area (refer to Section 3.2 of this Specification) to demarcate work areas from non-work areas. The regulated work area shall be visibly delineated with appropriate warning signs at all approaches to the area (including a large PCB M L marker), and be restricted from access by all personnel except those directly

necessary for the completion of the respective abatement tasks. The Abatement Zones shall be relocated and delineated as necessary as work progresses from one portion of the Site to another, to limit access to each area and to minimize risk of exposure to Site workers and the general public. Access shall be controlled at the periphery of the Abatement Zones to regulate the flow of personnel and equipment into and out of each zone and to help verify that proper procedures for entering and exiting are followed. All persons within the Abatement Zones shall wear the appropriate level of protection established in the Contractor's HASP. See also requirements for Asbestos Abatement in Section 02 82 13.

2. Decontamination Zone: The Decontamination Zone is the transition zone between the Abatement Zone and the clean support zone of the project site, and is intended to reduce the potential for contaminants from being dispersed from the Abatement Zone to clean areas of the Site. The Decontamination Zone shall consist of a buffer area surrounding each Abatement Zone through which the transfer of equipment, materials, personnel, and containerized waste products will occur, and in which decontamination of equipment, personnel, and clothing will occur. The Decontamination Zones shall be constructed as a three chamber decontamination unit for workers and a two chamber equipment room for waste load out as detailed in Section 3.3 of this Specification. All emergency response and first aid equipment shall be readily maintained in this zone. All PPE and clothing shall be removed or decontaminated in the Decontamination Zone prior to exiting to the Support Zone. See also requirements for Asbestos Abatement in Section 02 82 13.
3. Support Zone: The Support Zone shall consist of the area outside the Decontamination Zones and the remainder of the project site. Administrative and other support functions and any activities that by nature need not be conducted in the Abatement or Decontamination Zone related to the project shall occur in the Support Zone. Access to the Abatement and Decontamination Zones shall be controlled by the Contractor Site Supervisor, and limited to those persons necessary to complete the abatement work, and who have reviewed and signed the HASP.

1.17 PERSONNEL PROTECTIVE EQUIPMENT

A. The Contractor shall be responsible to determine and to provide the appropriate level of PPE in accordance with applicable regulations and standards necessary to protect the Contractor's employees from all hazards present.

B. The Contractor shall provide all employees with the appropriate safety equipment and protective clothing to ensure an appropriate level of protection for each task, taking into consideration the chemical, physical, ergonomic, and biological hazards posed by the Site and Work.

C. The Contractor shall establish in the HASP criteria for the selection and use of PPE. See also requirements for Asbestos Abatement in Section 02 82 13.

D. The PPE to be utilized for the project shall be selected based upon the potential hazards associated with the Site and the Work. Appropriate PPE shall be worn at all times within the Abatement Zone.

E. The Contractor shall provide the appropriate level of respiratory protection to all field personnel engaged in activities where respiratory hazards exist, or where there is a potential for such hazard to exit.

F. The Contractor shall provide, as necessary, protective coveralls, disposable gloves and other protective clothing for all personnel that will be actively involved in abatement activities or waste handling activities, or otherwise present in the Abatement Zones. Coveralls shall be TyvekTM or equivalent material. Should the potential for exposure to liquids exist, splash resistant disposable suits shall be provided and utilized.

G. Protective coveralls, and other protective clothing shall be donned and removed within the Decontamination Zone and shall be disposed at the end of each day. Ripped coveralls shall be immediately replaced after appropriate decontamination has been completed to the satisfaction of the Contractor Site Supervisor. Protective clothing shall not be worn outside of the Decontamination Zone.

H. Hard hats, protective eyewear, rubber boots, and/or other non-skid footwear shall be provided by the Contractor as required for workers and authorized visitors.

I. All contaminated protective clothing, respirator cartridges and disposable protective items shall be placed into proper containers to be provided by the Contractor for transport and proper disposal in accordance EPA and CTDEEP regulations. See also requirements for Asbestos Abatement in Section 02 82 13.

1.18 EMERGENCY EQUIPMENT AND FIRST AID REQUIREMENTS

A. At a minimum, the Contractor shall provide and maintain at the Site the following Emergency and First Aid Equipment:

1. Fire Extinguishers: A minimum one fire extinguisher shall be supplied and maintained at the Site by the Contractor throughout the duration of the Work. Each extinguisher shall be a minimum of a 20-pound Class ABC dry fire extinguisher with Underwriters Laboratory approval per OSHA Title 29 CFR, Part 1910.157.
2. First Aid Kit: A minimum one first aid kit meeting the requirements of OSHA Title 29 CFR, Part 1910.151 shall be supplied and maintained at the Site by the Contractor throughout the duration of the Work.
3. Communications: Telephone communications (either cellular or land line) shall be provided by the Contractor for use by site personnel at all times during the Work.

B. The Contractor Site Supervisor shall be notified immediately in the event of personal injury, potential exposure to contaminants, or other emergency. The Contractor Site Supervisor shall then immediately notify the Owner and Consultant.

1.19 STANDARD SAFETY AND HEALTH PROCEDURES AND ENGINEERING CONTROLS

A. The following provisions shall be employed to promote overall safety, personnel hygiene and personnel decontamination:

1. Each Contractor or Subcontractor shall ensure that all safety equipment and protective clothing to be utilized by its personnel is maintained in a clean and readily accessible manner at the Site.
2. All prescription eyeglasses in use on this project shall be safety glasses conforming to ANSI Standard Z87.1. No contact lenses shall be allowed on the Site.
3. Prior to exiting the delineated Decontamination Zone(s), all personnel shall remove protective clothing, and place disposable items in appropriate disposal containers to be dedicated to that purpose. Following removal of PPE, personnel shall thoroughly wash and rinse their face, hands, arms and other exposed areas with soap and tap water wash and subsequent tap water rinse. A fresh supply of tap water shall be provided at the Site on each work day by the Contractor for this purpose.
4. All PPE used on-site shall be decontaminated or disposed at the end of each work day. Discarded PPE shall be placed in sealed DOT-approved 55-gallon drums for off-site disposal.
5. Respirators shall be dedicated to each employee, and not interchanged between workers without cleaning and sanitizing.
6. Eating, drinking, chewing gum or tobacco, smoking, and any other practice that increases the likelihood of hand to mouth contact shall be prohibited within the delineated abatement and decontamination work zones. Prior to performing these activities, each employee shall thoroughly cleanse their face, hands, arms and other exposed areas.
7. All personnel shall thoroughly cleanse their face hands, arms and other exposed areas prior to using toilet facilities.
8. No alcohol, illicit drugs, or firearms will be allowed on the Site at any time.
9. Contact with potentially contaminated surfaces should be avoided, if possible. Field personnel should minimize walking through standing water/puddles, mud, or other wet or discolored surfaces, kneeling on the ground, and placing equipment, materials or food on the ground, or other potentially contaminated surface.
10. The use of the "Buddy System" shall be employed at all times while conducting work at the Site. Each employee shall frequently monitor other workers for signs of heat stress or chemical exposure or fatigue: periodically examine others PPE for signs of wear or damage, routinely communicate with others, and notify the Contractor Site Supervisor in the case of an emergency.

B. Workers must wear protective suits, protective gloves, eye protection, and a minimum of half-face air-purifying respirator with dual HEPA filter cartridges (P100). Respiratory protection shall be in accordance with OSHA Title 29 CFR, Part 1910.134 and ANSI Z88.2.

C. Workers must be trained per OSHA requirements, have medical clearance, and must have recently received pulmonary function test (PFT) and respirator fit test by a trained professional.

D. A personal air sampling program shall be in place, as required by OSHA.

E. The use of respirators must also follow a complete written respiratory protection program as specified by OSHA.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.

B. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with PCBs shall be decontaminated or disposed as PCB waste.

C. Polyethylene (poly) sheeting in a roll size to minimize the frequency of joints shall be delivered to the Site with factory label indicating 4 or 6-mil thickness.

D. Poly disposable bags shall be 6-mil thickness with pertinent pre-printed label. Tie wraps for bags shall be plastic, five-inches long (minimum), pointed and looped to secure filled plastic bags.

E. Tape or adhesive spray will be capable of sealing joints in adjacent poly and for attachment of poly to finished or unfinished surfaces of dissimilar materials, and capable of adhering under both dry and wet conditions, including use of cleaning products.

F. Cleaning products, such as CapsurTM, TechXtractTM, or equivalent, shall be utilized at the Contractor's discretion. Cleaning products shall be used in decontaminating porous and non-porous surfaces to remain. All such products shall be utilized in accordance with manufacturer's specifications as intended. The Contractor shall ensure appropriate use and disposal associated with use in accordance with the SDS for each product utilized.

G. The Contractor shall have available spray equipment capable of mixing wetting agent with water and capable of generating sufficient pressure and volume, and having sufficient hose length to reach all areas with PCBs.

H. The Contractor shall have available enough DOT-approved 17-C or 17-H drums for waste disposal.

2.2 TOOLS AND EQUIPMENT

A. The Contractor shall provide all tools and equipment necessary for PCB removal.

B. The Contractor's air monitoring professional shall have air-monitoring equipment of type and quantity to monitor operations and conduct personnel exposure surveillance per OSHA requirements.

C. The Contractor shall have available sufficient inventory or dated purchase orders for materials necessary for the Work including protective clothing, respirators, filter cartridges, poly of proper size and thickness, tape, and air filters.

D. The Contractor shall provide (as needed) temporary electrical power panels, electrical power cables, and electrical power sources (such as generators). Any electrical connection

work affecting the building electrical power system shall be performed by a State of Connecticut-licensed electrician.

E. The Contractor shall have available shower stalls and plumbing to support same to include sufficient hose length and drain system or an acceptable alternate.

F. Vacuum units, of suitable size and capacities for the project, shall have HEPA filter(s) capable of trapping and retaining at least 99.97 percent of all mono-dispersed particles of 0.3 micrometers in diameter or larger.

PART 3 - EXECUTION

3.1 PRE-CONSTRUCTION MEETING

A. At least one week prior to the start of work a Pre-Construction Meeting will be scheduled, and must be attended by the Contractor and any Sub-contractors. The assigned Contractor Site Supervisor must also attend this meeting.

B. The Contractor shall present a detailed project schedule and project submittal package at the Pre-Construction Meeting. Variations, amendments, and corrections to the presented schedule will be discussed, and the Owner and Consultant will inform the Contractor of any scheduling adjustments for this project.

C. Following the Pre-Construction Meeting, the Contractor shall submit a revised schedule (if needed) no later than one week after the meeting.

3.2 WORK AREA PROTECTION – ABATEMENT ZONE

A. Where necessary, deactivate electrical power. Provide GFCI devices, temporary power, and temporary lighting installed in compliance with the applicable electrical codes. All installations are to be made by a State of Connecticut-licensed electrician, permitted as required, and located outside the work area.

B. Post warning signs in accordance with OSHA Title 29 CFR, Part 1910.1200 at all approaches to the work area(s). Signs shall be conspicuously posted to permit a person to read signs and take precautionary measures to avoid exposure to PCBs or other Toxic or Hazardous Substances. These signs should include the large PCB ML markers at each entrance to the work area.

C. Construction containments in accordance with asbestos abatement requirements. See Section 02 82 13 Asbestos Abatement for Additional Information.

D. Waste Containers for PCB Bulk Product Waste, PCB Containing Waste and PCB Remediation Waste and Combined PCB and asbestos wastes shall be located on-site, and shall be placed adjacent to abatement zone. Containers shall be lined, covered and secured. The PCB waste containers shall be properly marked as described in EPA Title 40 CFR, Part 761.40. Marking shall include a PCB ML marker formatted in accordance with EPA Title 40 CFR, Part 761.45.

3.3 DECONTAMINATION SYSTEM

A. The Contractor shall establish on-site, a decontamination enclosure consisting of equipment room, shower room, and clean room in series. Decontamination unit shall be remote for exterior work areas and contiguous for interior work areas.

B. Access between rooms in the decontamination system shall be through double flap-curtained openings. The clean room, shower, and equipment rooms within the decontamination enclosure shall be completely sealed.

C. Construct the decontamination system with plastic, wood, or metal framing and cover both sides with a double layer of 6-mil polyethylene sheeting, completely sealed with spray adhesive and tape at the joints.

D. The Contractor and the Consultant shall visually inspect barriers routinely to assure effective seal; the Contractor shall repair defects immediately.

3.4 PCB REMOVAL PROCEDURES

A. The Contractor shall have a designated "competent person" on the Site at all times to ensure proper work practices throughout the project.

B. The Contractor shall regulate the work area as required for compliance with OSHA Title 29 CFR, Part 1910.1200 to prohibit non-trained workers from entering areas where PCBs are to be removed.

C. The Contractor shall establish worker decontamination unit remote from the work area.

D. Materials shall be removed in a manner which does not breakdown the materials into fine dust or powder to the extent feasible. Equipment and tools to be utilized shall include hand tools and mechanical equipment such as demolition hammers, mechanical grinders, etc. to remove materials from adjacent substrates. Mechanical removal equipment shall as appropriate be fitted with HEPA-filtered vacuum attachments.

E. The use of minimal quantities of water to moisten the generated dust prior to collection shall be utilized. Under no circumstances shall the PCB waste show evidence of free liquid water, pooling, or ponding within the waste stream. Any liquid used to wet the dust and debris to control fugitive emissions shall be properly containerized and decontaminated in accordance with EPA Title 40 CFR, Part 761.79(b)(1) or disposed in accordance with EPA Title 40 CFR, Part 761.60(a).

F. Dry or brittle PCB-Containing Material shall be removed with additional engineering controls such as use of a HEPA-filtered vacuum to remove accumulated dust or debris during removal.

G. Sequence of removal shall follow the following general requirements:

1. Site preparation and controls shall be completed. Work shall not proceed until authorized by the Consultant.

2. PCB Bulk Product Waste (caulk and ceiling/beam paint) shall be removed in entirety for disposal as PCB Bulk Product Waste. Note these materials contain > 1% asbestos.
3. PCB Containing Waste (vinyl cove base and mastic, floor tile and mastics, ceiling tile and glue daubs and floor sealants) shall be removed in entirety for disposal as PCB Containing Waste < 50 ppm. Note some of these materials contain > 1% asbestos.
4. Following removal, cleaning of work area shall be performed followed by a final visual inspection and verification sampling (if applicable) by the Consultant.
5. Following an acceptable final visual inspection and verification sampling, the containment barriers, PPE, clean materials and supplies, and waste generated during removal of PCB Bulk Product Waste and PCB Containing Waste shall be containerized for disposal as PCB Remediation Waste.
6. Surfaces noted shall be encapsulated with primer and finish epoxy coatings in accordance with manufacture instructions. See Section 09 99 00 for Paints and Coatings.

H. Remove and containerize all visible accumulations of PCB Bulk Product Waste, PCB Containing Waste and PCB Remediation Waste. Waste shall be containerized in labeled and signed 6-mil poly disposable bags. Tie wraps for bags shall be plastic, 5-inches long (minimum), pointed and looped to secure filled plastic bags. Disposal bags shall then be placed in steel 55-gallon DOT-approved drums.

I. At any time during PCB abatement should the Consultant suspect contamination of areas outside the work area, the Consultant shall issue a stop work order until the Contractor takes required steps to decontaminate these areas, and to eliminate the causes of such contamination. Unprotected individuals shall be prohibited from entering suspected contaminated areas until air sampling and visual inspections indicate acceptable decontamination.

J. The Consultant shall conduct a final visual inspection of the work area. If residual suspect PCB-containing debris is identified during the final inspection, the Contractor shall comply with the Consultant's request to render the area clean of all residual PCB.

3.5 CLEANING AND DECONTAMINATION

A. The Contractor shall be responsible for complete cleaning and decontamination of the Abatement Zone upon completion of work. The Abatement Zone will be required to meet proposed final visual inspection requirements.

B. The Contractor shall utilize HEPA-filtered vacuum equipment and wet cleaning products to remove all visible dust and debris from all surfaces within the work area. If specialty cleaning products are utilized, the Contractor shall utilize the product(s) in accordance with manufacturer's specifications including any additional safety and disposal requirements for such use.

C. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and decontaminated in accordance with EPA Title 40 CFR, Part 761.79(b)(1), or disposed in accordance with EPA Title 40 CFR, Part 761.60(a).

D. All rags and other cleaning materials used to clean the work area shall be properly disposed as PCB Remediation Waste. All PCB Remediation Waste shall be stored for disposal in accordance with EPA Title 40 CFR, Part 761.61(a)(5)(v)(A). All waste containers shall be appropriately marked and labeled in accordance with EPA Title 40 CFR, Parts 761.40 and 761.45.

E. Equipment to be utilized in connection with the removal of PCB Waste including waste collection, or that will or may come in direct contact with the Site contaminants shall be decontaminated prior to leaving the Site to prevent migration of the contaminated residues. Decontamination shall be in accordance with EPA Title 40 CFR, Part 761.79 and Subpart S procedures.

F. All non-disposable equipment and tools employed in the Work will be decontaminated at the conclusion of each work day utilizing the following sequence:

1. Initial tap water rinse to remove gross debris
2. Tap water and hexane or equivalent wash
3. Tap water rinse
4. Second tap water and hexane or equivalent wash
5. Second tap water rinse

G. The wash water and decontamination liquids shall be captured and containerized in DOT approved 55-gallon drums for off-site disposal in accordance with EPA Title 40 CFR, Part 761.60(a).

3.6 CONSULTANT'S RESPONSIBILITIES

A. The Contractor shall monitor air quality within the work area to ascertain the protection of employees and to comply with OSHA regulations.

B. The Consultant's project monitor shall provide continual evaluation of the condition of the building during removal, using their best professional judgments in respect to EPA and CTDEEP regulations.

3.7 CONSULTANT'S INSPECTION RESPONSIBILITIES

A. Consultant may conduct inspections throughout the progress of the removal project. Inspections may be conducted to document the progress of the removal work, as well as the procedures and practices employed by the Contractor.

B. The Consultant may perform the following inspections during abatement activities:

1. Pre-commencement Inspection. Pre-commencement inspections shall be performed at the time requested by the Contractor. The Consultant shall be informed 12-hours prior to the time the inspection is needed. If deficiencies are identified during the pre-commencement inspection, the Contractor shall perform the necessary adjustments to obtain compliance.
2. Work Area Inspection. Work area inspections may be conducted on a daily basis at the discretion of the Consultant. During the work inspections, the Consultant shall

observe the Contractor's removal procedures, verify isolation barrier integrity, assess project progress, and inform the Contractor of specific remedial activities if deficiencies are noted.

C. The Consultant shall perform the following inspection during abatement activities:

1. Final Visual Inspection. Upon the request of the Contractor, the Consultant shall conduct a final visual inspection of the work area. The final visual inspection shall be conducted after completion of the final cleaning procedures. The final visual inspection shall verify that all PCB Bulk Product Waste and PCB Containing Waste have been removed from the work area. If during the inspection the Consultant identifies residual dust or debris, the Contractor shall comply with the request of the Consultant to render the area "dust free".

3.8 CONSULTANT'S VERIFICATION SAMPLING

A. The Consultant shall perform visual post-cleaning verification as necessary to determine complete removal of PCBs.

B. Once post-cleaning and post-verification sampling has documented the Abatement Zone meets required criteria established, the Contractor shall be permitted to remove decontamination unit, isolation barriers, negative pressure units, etc. These areas shall be subjected to a visual inspection to ensure no visible dust is present.

3.9 MARKING OF WASTE CONTAINERS

A. All waste containers must be marked with the name of the waste contained, the date in which the first material was placed in the vessel, and the last date at which addition of waste occurred. All waste containers must be marked with a large PCB M_L marker.

B. All waste containers containing PCB Bulk Product Waste, PCB Containing Waste, PCB Remediation Waste and Combined Waste (Asbestos and PCB) in the form of waste and contaminated debris, containment system components, used PPE, personal and equipment wash water and decontamination fluids, or other wastes generated during the abatement work shall be labeled as follows:

DOT Class 9 UN3432 (solid)
Or UN2315 (liquid) PCB Waste
RQ
Waste for Disposal
Federal law prohibits improper disposal.
If found, contact the nearest police or public safety authority or
The U.S. Environmental Protection Agency.
Generator's Information: _____
Manifest Tracking No.: _____
Accumulation Start Date: _____
EPA ID No.: _____
EPA Waste No.: _____
Total Weight: _____

Container No.: _____
HANDLE WITH CARE

C. In addition, these containers must be marked with a PCB ML marker.

D. Such marking must be durable, in English and printed on, or affixed to the surface of the package, or on a label, tag or sign, and displayed on a background of sharply contrasting color, is unobscured by labels or attachments, and located away from any other marking (such as advertising) that could substantially reduce its effectiveness.

3.10 ON-SITE WASTE MANAGEMENT AND DISPOSAL OF SOLID HAZARDOUS WASTES

A. All solid waste material, containment system components, used PPE, and other solid wastes generated during the Work, shall be placed directly in appropriate waste receptacles immediately upon removal from its in-situ position. Suitable waste receptacles may consist of roll-off containers or DOT-approved 55-gallon drums.

B. The Contractor shall be responsible for all packaging, labeling, transport, disposal, and recordkeeping associated with PCB Bulk Product Waste, PCB Containing Waste, PCB Remediation Waste and Combined Waste (Asbestos and PCB) in accordance with all federal, state, and local regulations.

C. The Contractor shall ensure that the person transporting the waste holds a valid permit issued in accordance with appropriate federal, state, and local regulations.

D. The Contractor shall provide to the transporter at the time of transfer appropriate shipping records or uniform waste manifests as required by the federal, state, and local regulations with a copy to the Owner and Consultant.

E. The Contractor shall maintain proper follow-up procedures to assure that waste materials have been received by the designated waste site in a timely manner, and in accordance with all federal, state, and local regulations.

F. The Contractor shall assure that disposal of all PCB Waste is at facility(ies) approved to accept such waste(s) and shall provide a tracking/manifest form signed by the landfill's authorized representative.

G. If roll-off containers are to be utilized for containerization of the abatement wastes the following shall apply:

H. All roll-off containers or other similar vessels utilized shall be watertight and lined with 6-mil poly or equivalent impermeable lining, and equipped with a secured and impermeable cover.

I. The impermeable cover shall remain securely in place at all times when material is not being actively placed in the vessels. The Contractor shall be responsible for ensuring that the cover remains securely intact until the container is removed from the Site.

J. If 55-gallon drums are to be utilized for waste containerization, the drums shall consists of suitable DOT-approved 55-gallon drums that are watertight and free of corrosion, perforations, punctures, or other damage. All drums shall be securely covered and sealed at the conclusion of each work day.

K. The waste containers shall remain staged at the Site with a secure impermeable cover in-place until the materials are transported from the Site to be delivered to the designated waste disposal facility.

L. Waste roll-off and barrel staging area shall be designated prior to initiation of the abatement work, and approved by the Consultant. If this area is located outside of the building, the area (or areas) shall be surrounded by a chain-link fence with a minimum height of six feet. The fence shall be labeled with a PCB ML marker.

M. Properly containerized waste must be transported by a licensed hauler, and shipped as PCB Bulk Product Waste for disposal at a permitted soil waste facility in accordance with EPA Title 40 CFR, Part 761.62(b).

N. PCB Containing Waste must be transported by a licensed hauler and shipped as waste containing PCBs < 50 ppm as an *Excluded PCB Product* but in accordance with CTDEEP regulations and standards pursuant to CGS 22a 463-468. Note if waste also contains asbestos facility must accept combination of waste < 50 ppm and regulated asbestos.

O. PCB Remediation Waste must be transported by a licensed hauler and shipped as PCB Remediation for disposal in accordance with EPA Title 40 CFR, Part 761.61(b) at one of the following a facilities:

1. A chemical waste landfill approved under EPA Title 40 CFR, Part 761.75.

P. Provide required copies of the uniform waste manifests for PCB Remediation Waste to the Owner, waste generation State, and waste destination State, as required.

Q. Any PCB liquid water waste shall be properly containerized and decontaminated in accordance with EPA Title 40 CFR, Part 761.79 (b)(1), or disposed in accordance with EPA Title 40 CFR, Part 761.60(a).

R. Any chemicals, solvents or other products used during decontamination shall be properly containerized as PCB liquid waste. Waste must be properly decontaminated in accordance with EPA Title 40 CFR, Part 761.79 (b)(1), or disposed in accordance with EPA Title 40 CFR, Part 761.60(g).

S. All contaminated waste shall be carefully loaded on trucks or other appropriate vehicles for transport. Before and during transport, care shall be exercised to insure that no unauthorized persons have access to the waste materials.

T. Waste transporters are prohibited from "back hauling" any freight after the PCB waste disposal, until decontamination of the vehicle and/or trailer is assured.

END OF SECTION

Appendix C

Indoor Air Sampling Laboratory Results for PCBs December 2015 – TRC

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

January 11, 2016

Henry LaLiberte
TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: Kent Library, Suffield CT
Client Job Number:
Project Number: 223120
Laboratory Work Order Number: 15L1461

Enclosed are results of analyses for samples received by the laboratory on December 31, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

Table of Contents

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Henry LaLiberte

REPORT DATE: 1/11/2016

PURCHASE ORDER NUMBER: 20605

PROJECT NUMBER: 223120

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15L1461

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Library, Suffield CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
#1	15L1461-01	Indoor air	upper level south	TO-10A/EPA 680 Modified	
#2	15L1461-02	Indoor air	upper level north	TO-10A/EPA 680 Modified	
#3	15L1461-03	Indoor air	intermediate level north	TO-10A/EPA 680 Modified	
#4	15L1461-04	Indoor air	intermediate level north (duplicate)	TO-10A/EPA 680 Modified	
#5	15L1461-05	Indoor air	lower level north	TO-10A/EPA 680 Modified	
#6	15L1461-06	Indoor air	lower level south	TO-10A/EPA 680 Modified	
#7	15L1461-07	Indoor air	intermediate level south	TO-10A/EPA 680 Modified	
#8	15L1461-08	Indoor air	lower bsmt btwn work and equip room	TO-10A/EPA 680 Modified	
#9	15L1461-09	Indoor air	basement office	TO-10A/EPA 680 Modified	
#10	15L1461-10	Indoor air	basement records room	TO-10A/EPA 680 Modified	
#11	15L1461-11	Indoor air	basement lower lobby	TO-10A/EPA 680 Modified	
#12	15L1461-12	Indoor air	basement lower lobby (duplicate)	TO-10A/EPA 680 Modified	
#13	15L1461-13	Indoor air	lower basement auditorium	TO-10A/EPA 680 Modified	
#14	15L1461-14	Indoor air	lower basement multipurpose room	TO-10A/EPA 680 Modified	
#15	15L1461-15	[blank]	blank	TO-10A/EPA 680 Modified	

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

TO-10A/EPA 680 Modified

Qualifications:

S-20

Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene
15L1461-05[#5]

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Dichlorobiphenyls
B139101-BS1, B139101-BSD1

Heptachlorobiphenyls
B139101-BS1, B139101-BSD1

Monochlorobiphenyls
B139101-BS1, B139101-BSD1

Tetrachlorobiphenyls
15L1461-01[#1], B139101-BS1, B139101-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Dichlorobiphenyls
15L1461-01[#1], B139101-BLK1

Heptachlorobiphenyls
15L1461-01[#1], B139101-BLK1

Monochlorobiphenyls
15L1461-01[#1], 15L1461-02[#2], 15L1461-03[#3], 15L1461-04[#4], 15L1461-05[#5], 15L1461-06[#6], 15L1461-07[#7], 15L1461-08[#8], 15L1461-09[#9], 15L1461-10[#10], 15L1461-11[#11], 15L1461-12[#12], 15L1461-13[#13], 15L1461-14[#14], 15L1461-15[#15], B139101-BLK1

Tetrachlorobiphenyls
B139101-BLK1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #1
Sample ID: 15L1461-01
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:54

Sample Description/Location: upper level south
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 15L1461

TO-10A/EPA 680 Modified

	Total µg			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/8/16 20:55	CJM
Dichlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/8/16 20:55	CJM
Trichlorobiphenyls	0.0035	0.0010		0.0029	0.00083	1	1/8/16 20:55	CJM
Tetrachlorobiphenyls	0.10	0.0020	V-06	0.086	0.0017	1	1/8/16 20:55	CJM
Pentachlorobiphenyls	0.14	0.0020		0.12	0.0017	1	1/8/16 20:55	CJM
Hexachlorobiphenyls	0.018	0.0020		0.015	0.0017	1	1/8/16 20:55	CJM
Heptachlorobiphenyls	ND	0.0030	V-20	ND	0.0025	1	1/8/16 20:55	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/8/16 20:55	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	1/8/16 20:55	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	1/8/16 20:55	CJM
Total Polychlorinated biphenyls	0.27			0.22		1	1/8/16 20:55	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	82.2	50-125	1/8/16 20:55

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #2
Sample ID: 15L1461-02
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:54

Sample Description/Location: upper level north
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/8/16 23:08	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/8/16 23:08	CJM
Trichlorobiphenyls	0.0029	0.0010		0.0024	0.00083	1	1/8/16 23:08	CJM
Tetrachlorobiphenyls	0.093	0.0020		0.077	0.0017	1	1/8/16 23:08	CJM
Pentachlorobiphenyls	0.13	0.0020		0.11	0.0017	1	1/8/16 23:08	CJM
Hexachlorobiphenyls	0.015	0.0020		0.012	0.0017	1	1/8/16 23:08	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/8/16 23:08	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/8/16 23:08	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/8/16 23:08	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/8/16 23:08	CJM
Total Polychlorinated biphenyls	0.24			0.20		1	1/8/16 23:08	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	80.2	50-125	1/8/16 23:08

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #3
Sample ID: 15L1461-03
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:54

Sample Description/Location: intermediate level north
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/8/16 23:41	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/8/16 23:41	CJM
Trichlorobiphenyls	0.0030	0.0010		0.0025	0.00083	1	1/8/16 23:41	CJM
Tetrachlorobiphenyls	0.089	0.0020		0.073	0.0017	1	1/8/16 23:41	CJM
Pentachlorobiphenyls	0.11	0.0020		0.088	0.0017	1	1/8/16 23:41	CJM
Hexachlorobiphenyls	0.0095	0.0020		0.0079	0.0017	1	1/8/16 23:41	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/8/16 23:41	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/8/16 23:41	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/8/16 23:41	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/8/16 23:41	CJM
Total Polychlorinated biphenyls	0.21			0.17		1	1/8/16 23:41	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	79.5	50-125	1/8/16 23:41

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #4
Sample ID: 15L1461-04
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:54

Sample Description/Location: intermediate level north (duplicate)
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/9/16 0:14	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/9/16 0:14	CJM
Trichlorobiphenyls	0.0042	0.0010		0.0034	0.00083	1	1/9/16 0:14	CJM
Tetrachlorobiphenyls	0.099	0.0020		0.082	0.0017	1	1/9/16 0:14	CJM
Pentachlorobiphenyls	0.12	0.0020		0.098	0.0017	1	1/9/16 0:14	CJM
Hexachlorobiphenyls	0.013	0.0020		0.010	0.0017	1	1/9/16 0:14	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 0:14	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 0:14	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/9/16 0:14	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/9/16 0:14	CJM
Total Polychlorinated biphenyls	0.23			0.19		1	1/9/16 0:14	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	89.3	50-125	1/9/16 0:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #5
Sample ID: 15L1461-05
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:55

Sample Description/Location: lower level north
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/9/16 0:47	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/9/16 0:47	CJM
Trichlorobiphenyls	0.0013	0.0010		0.0011	0.00083	1	1/9/16 0:47	CJM
Tetrachlorobiphenyls	0.056	0.0020		0.046	0.0017	1	1/9/16 0:47	CJM
Pentachlorobiphenyls	0.075	0.0020		0.062	0.0017	1	1/9/16 0:47	CJM
Hexachlorobiphenyls	0.0081	0.0020		0.0067	0.0017	1	1/9/16 0:47	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 0:47	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 0:47	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/9/16 0:47	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/9/16 0:47	CJM
Total Polychlorinated biphenyls	0.14			0.12		1	1/9/16 0:47	CJM

Surrogates	% Recovery		% REC Limits		
Tetrachloro-m-xylene	42.7*	S-20	50-125		1/9/16 0:47

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #6
Sample ID: 15L1461-06
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:55

Sample Description/Location: lower level south
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/9/16 1:20	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/9/16 1:20	CJM
Trichlorobiphenyls	0.0022	0.0010		0.0018	0.00083	1	1/9/16 1:20	CJM
Tetrachlorobiphenyls	0.091	0.0020		0.075	0.0017	1	1/9/16 1:20	CJM
Pentachlorobiphenyls	0.12	0.0020		0.097	0.0017	1	1/9/16 1:20	CJM
Hexachlorobiphenyls	0.013	0.0020		0.011	0.0017	1	1/9/16 1:20	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 1:20	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 1:20	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/9/16 1:20	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/9/16 1:20	CJM
Total Polychlorinated biphenyls	0.22			0.18		1	1/9/16 1:20	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	72.3	50-125	1/9/16 1:20

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #7
Sample ID: 15L1461-07
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:56

Sample Description/Location: intermediate level south
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1210

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00083	1	1/9/16 1:53	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	1/9/16 1:53	CJM
Trichlorobiphenyls	0.0038	0.0010		0.0031	0.00083	1	1/9/16 1:53	CJM
Tetrachlorobiphenyls	0.085	0.0020		0.071	0.0017	1	1/9/16 1:53	CJM
Pentachlorobiphenyls	0.10	0.0020		0.085	0.0017	1	1/9/16 1:53	CJM
Hexachlorobiphenyls	0.011	0.0020		0.0088	0.0017	1	1/9/16 1:53	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 1:53	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	1/9/16 1:53	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	1/9/16 1:53	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	1/9/16 1:53	CJM
Total Polychlorinated biphenyls	0.20			0.17		1	1/9/16 1:53	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	84.1	50-125	1/9/16 1:53

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #8
Sample ID: 15L1461-08
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:58

Sample Description/Location: lower bsmt btwn work and equip room
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1235

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00081	1	1/9/16 2:27	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00081	1	1/9/16 2:27	CJM
Trichlorobiphenyls	0.0025	0.0010		0.002	0.00081	1	1/9/16 2:27	CJM
Tetrachlorobiphenyls	0.068	0.0020		0.055	0.0016	1	1/9/16 2:27	CJM
Pentachlorobiphenyls	0.087	0.0020		0.070	0.0016	1	1/9/16 2:27	CJM
Hexachlorobiphenyls	0.0090	0.0020		0.0073	0.0016	1	1/9/16 2:27	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 2:27	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 2:27	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 2:27	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 2:27	CJM
Total Polychlorinated biphenyls	0.17			0.13		1	1/9/16 2:27	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	74.7	50-125	1/9/16 2:27

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #9
Sample ID: 15L1461-09
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:58

Sample Description/Location: basement office
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1235

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00081	1	1/9/16 3:00	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00081	1	1/9/16 3:00	CJM
Trichlorobiphenyls	0.0031	0.0010		0.0025	0.00081	1	1/9/16 3:00	CJM
Tetrachlorobiphenyls	0.087	0.0020		0.070	0.0016	1	1/9/16 3:00	CJM
Pentachlorobiphenyls	0.12	0.0020		0.096	0.0016	1	1/9/16 3:00	CJM
Hexachlorobiphenyls	0.016	0.0020		0.013	0.0016	1	1/9/16 3:00	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 3:00	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 3:00	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 3:00	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 3:00	CJM
Total Polychlorinated biphenyls	0.22			0.18		1	1/9/16 3:00	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.8	50-125	1/9/16 3:00

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #10
Sample ID: 15L1461-10
Sample Matrix: Indoor air
Sampled: 12/31/2015 13:59

Sample Description/Location: basement records room
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1245

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	1/9/16 3:33	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 3:33	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 3:33	CJM
Tetrachlorobiphenyls	0.061	0.0020		0.049	0.0016	1	1/9/16 3:33	CJM
Pentachlorobiphenyls	0.080	0.0020		0.064	0.0016	1	1/9/16 3:33	CJM
Hexachlorobiphenyls	0.012	0.0020		0.0098	0.0016	1	1/9/16 3:33	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 3:33	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 3:33	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 3:33	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 3:33	CJM
Total Polychlorinated biphenyls	0.15			0.12		1	1/9/16 3:33	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	81.1	50-125	1/9/16 3:33

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #11
Sample ID: 15L1461-11
Sample Matrix: Indoor air
Sampled: 12/31/2015 14:00

Sample Description/Location: basement lower lobby
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1250

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	1/9/16 4:06	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 4:06	CJM
Trichlorobiphenyls	0.0045	0.0010		0.0036	0.0008	1	1/9/16 4:06	CJM
Tetrachlorobiphenyls	0.12	0.0020		0.097	0.0016	1	1/9/16 4:06	CJM
Pentachlorobiphenyls	0.17	0.0020		0.13	0.0016	1	1/9/16 4:06	CJM
Hexachlorobiphenyls	0.020	0.0020		0.016	0.0016	1	1/9/16 4:06	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 4:06	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 4:06	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 4:06	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 4:06	CJM
Total Polychlorinated biphenyls	0.31			0.25		1	1/9/16 4:06	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	95.6	50-125	1/9/16 4:06

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #12
Sample ID: 15L1461-12
Sample Matrix: Indoor air
Sampled: 12/31/2015 14:00

Sample Description/Location: basement lower lobby (duplicate)
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1250

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	1/9/16 4:39	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 4:39	CJM
Trichlorobiphenyls	0.0032	0.0010		0.0025	0.0008	1	1/9/16 4:39	CJM
Tetrachlorobiphenyls	0.11	0.0020		0.091	0.0016	1	1/9/16 4:39	CJM
Pentachlorobiphenyls	0.15	0.0020		0.12	0.0016	1	1/9/16 4:39	CJM
Hexachlorobiphenyls	0.018	0.0020		0.014	0.0016	1	1/9/16 4:39	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 4:39	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 4:39	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 4:39	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 4:39	CJM
Total Polychlorinated biphenyls	0.29			0.23		1	1/9/16 4:39	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	79.8	50-125	1/9/16 4:39

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #13
Sample ID: 15L1461-13
Sample Matrix: Indoor air
Sampled: 12/31/2015 14:01

Sample Description/Location: lower basement auditorium
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1255

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	1/9/16 5:12	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 5:12	CJM
Trichlorobiphenyls	0.0034	0.0010		0.0027	0.0008	1	1/9/16 5:12	CJM
Tetrachlorobiphenyls	0.11	0.0020		0.084	0.0016	1	1/9/16 5:12	CJM
Pentachlorobiphenyls	0.15	0.0020		0.12	0.0016	1	1/9/16 5:12	CJM
Hexachlorobiphenyls	0.017	0.0020		0.014	0.0016	1	1/9/16 5:12	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 5:12	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 5:12	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 5:12	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 5:12	CJM
Total Polychlorinated biphenyls	0.27			0.22		1	1/9/16 5:12	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.8	50-125	1/9/16 5:12

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #14
Sample ID: 15L1461-14
Sample Matrix: Indoor air
Sampled: 12/31/2015 14:01

Sample Description/Location: lower basement multipurpose room
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1255

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	1/9/16 7:25	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	1/9/16 7:25	CJM
Trichlorobiphenyls	0.0022	0.0010		0.0017	0.0008	1	1/9/16 7:25	CJM
Tetrachlorobiphenyls	0.093	0.0020		0.074	0.0016	1	1/9/16 7:25	CJM
Pentachlorobiphenyls	0.12	0.0020		0.095	0.0016	1	1/9/16 7:25	CJM
Hexachlorobiphenyls	0.013	0.0020		0.011	0.0016	1	1/9/16 7:25	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 7:25	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	1/9/16 7:25	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	1/9/16 7:25	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	1/9/16 7:25	CJM
Total Polychlorinated biphenyls	0.23			0.18		1	1/9/16 7:25	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	80.7	50-125	1/9/16 7:25

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ANALYTICAL RESULTS

Project Location: Kent Library, Suffield CT
Date Received: 12/31/2015
Field Sample #: #15
Sample ID: 15L1461-15
Sample Matrix: [blank]
Sampled: 12/31/2015 00:00

Sample Description/Location: blank
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 15L1461

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	1	1/9/16 7:59	CJM
Dichlorobiphenyls	ND	0.0010		1	1/9/16 7:59	CJM
Trichlorobiphenyls	ND	0.0010		1	1/9/16 7:59	CJM
Tetrachlorobiphenyls	ND	0.0020		1	1/9/16 7:59	CJM
Pentachlorobiphenyls	ND	0.0020		1	1/9/16 7:59	CJM
Hexachlorobiphenyls	ND	0.0020		1	1/9/16 7:59	CJM
Heptachlorobiphenyls	ND	0.0030		1	1/9/16 7:59	CJM
Octachlorobiphenyls	ND	0.0030		1	1/9/16 7:59	CJM
Nonachlorobiphenyls	ND	0.0050		1	1/9/16 7:59	CJM
Decachlorobiphenyl	ND	0.0050		1	1/9/16 7:59	CJM
Total Polychlorinated biphenyls	0.0			1	1/9/16 7:59	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	89.8	50-125	1/9/16 7:59

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Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
15L1461-01 [#1]	B139101	1.00	1.00	01/06/16
15L1461-02 [#2]	B139101	1.00	1.00	01/06/16
15L1461-03 [#3]	B139101	1.00	1.00	01/06/16
15L1461-04 [#4]	B139101	1.00	1.00	01/06/16
15L1461-05 [#5]	B139101	1.00	1.00	01/06/16
15L1461-06 [#6]	B139101	1.00	1.00	01/06/16
15L1461-07 [#7]	B139101	1.00	1.00	01/06/16
15L1461-08 [#8]	B139101	1.00	1.00	01/06/16
15L1461-09 [#9]	B139101	1.00	1.00	01/06/16
15L1461-10 [#10]	B139101	1.00	1.00	01/06/16
15L1461-11 [#11]	B139101	1.00	1.00	01/06/16
15L1461-12 [#12]	B139101	1.00	1.00	01/06/16
15L1461-13 [#13]	B139101	1.00	1.00	01/06/16
15L1461-14 [#14]	B139101	1.00	1.00	01/06/16
15L1461-15 [#15]	B139101	1.00	1.00	01/06/16

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B139101 - SW-846 3540C											
Blank (B139101-BLK1)					Prepared: 01/06/16 Analyzed: 01/08/16						
Monochlorobiphenyls	ND	0.0010									V-20
Dichlorobiphenyls	ND	0.0010									V-20
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									V-20
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									V-20
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.165*				*0.200*		*82.5*	*50-125*			
LCS (B139101-BS1)					Prepared: 01/06/16 Analyzed: 01/08/16						
Monochlorobiphenyls	0.34	0.0010			0.400		86.1	40-140			V-06
Dichlorobiphenyls	0.30	0.0010			0.400		74.8	40-140			V-06
Trichlorobiphenyls	0.29	0.0010			0.400		73.3	40-140			
Tetrachlorobiphenyls	0.64	0.0020			0.800		80.3	40-140			V-06
Pentachlorobiphenyls	0.70	0.0020			0.800		88.1	40-140			
Hexachlorobiphenyls	0.70	0.0020			0.800		87.7	40-140			
Heptachlorobiphenyls	1.1	0.0030			1.20		87.7	40-140			V-06
Octachlorobiphenyls	1.0	0.0030			1.20		83.0	40-140			
Nonachlorobiphenyls	1.6	0.0050			2.00		80.0	40-140			
Decachlorobiphenyl	1.1	0.0050			2.00		52.6	40-140			
Surrogate: Tetrachloro-m-xylene	*0.179*				*0.200*		*89.5*	*50-125*			
LCS Dup (B139101-BSD1)					Prepared: 01/06/16 Analyzed: 01/08/16						
Monochlorobiphenyls	0.34	0.0010			0.400		84.8	40-140	1.59	50	V-06
Dichlorobiphenyls	0.29	0.0010			0.400		72.9	40-140	2.49	50	V-06
Trichlorobiphenyls	0.28	0.0010			0.400		70.7	40-140	3.67	50	
Tetrachlorobiphenyls	0.62	0.0020			0.800		77.4	40-140	3.66	50	V-06
Pentachlorobiphenyls	0.68	0.0020			0.800		85.4	40-140	3.18	50	
Hexachlorobiphenyls	0.69	0.0020			0.800		85.7	40-140	2.32	50	
Heptachlorobiphenyls	1.0	0.0030			1.20		86.2	40-140	1.69	50	V-06
Octachlorobiphenyls	0.99	0.0030			1.20		82.4	40-140	0.717	50	
Nonachlorobiphenyls	1.6	0.0050			2.00		79.1	40-140	1.21	50	
Decachlorobiphenyl	1.0	0.0050			2.00		51.6	40-140	2.00	50	
Surrogate: Tetrachloro-m-xylene	*0.162*				*0.200*		*80.8*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
S-20	Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
TO-10A/EPA 680 Modified in Air	
Total Polychlorinated biphenyls	AIHA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

1521461

http://www.contestlabs.com
CHAIN OF CUSTODY RECORD (AIR)

Doc #378 Rev 0 5/8/15

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name: TRC
Address: 21 Griffin Rd N. Windsor CT 06095
Phone: 860-298-9692
Project Name: Kent Memorial Library
Project Location: Suffield CT
Project Number: 223120
Project Manager: Henry Laliberte - 860-798-5689
Con-Test Bid:
Invoice Recipient:
Sampled By: MK / TM - 860-817-2413 (Mike Kostrubа)

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: 5 Day

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
Enhanced Data Package Required: ☐
Email To: HLaliberte@trcsolutions.com
Fax To #:

ANALYSIS REQUESTED: EPA 680/3540C (homologs w/ Soxhlet extraction); Initial Pressure; Final Pressure; Lab Receipt Pressure (" Hg)

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Flow Rate (L/min)	Matrix Code	Volume (Liters)	EPA 680/3540C	Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
01	#1 MK - Upper Level South ~~Room 403~~	12/31/15 ~~0951~~	12/31/15 1354	240	5 L/min	IA	1200	X					
02	#2 MK - Upper Level North ~~Room 404~~	0952	1354	242	↓	↓	1210	↓					
03	#3 MK Intermediate Level North ~~Room 404~~	0952	1354	242	↓	↓	1210	↓					
04	#4 MK Intermediate Level North ~~Room 404~~ (Duplicate)	0952	1354	242	↓	↓	1210	↓					
05	#5 MK Lower Level North ~~Room 406~~	0953	1355	242	↓	↓	1210	↓					
06	#6 MK Lower Level South ~~Room 408~~	0953	1355	242	↓	↓	1210	↓					
07	#7 - Intermediate Level South	0954	1356	242	↓	↓	1210	↓					
08	#8 - Lower Bsmt between Work Room + Equipment Room	0951	1358	247	↓	↓	1235	↓					
09	#9 - Basement office	0951	1358	247	↓	↓	1235	↓					

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other______

Relinquished by: (signature)	Date/Time:
Michael Kostrubа	12/31/15 - 1504
Received by: (signature) 4.9 °C [signature]	Date/Time: 12/31/15 1504
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA:
CT: 50 ng/m3
Other:

Special Requirements
☐ MA MCP Required
☒ CT RCP Required
☐ Enhanced Data Package Required

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

15L1461

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CHAIN OF CUSTODY RECORD (AIR)

Doc #378 Rev 0 5/8/15

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

Company Name: TRC
Address: 21 Griffin Rd N. Windsor CT 06095
Phone: 860-298-9692
Project Name: Kent Memorial Library
Project Location: Suffield CT
Project Number: 223120
Project Manager: Henry Laliberte
Con-Test Bid:
Invoice Recipient:
Sampled By: MK/TM

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: 5 Day

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
Enhanced Data Package Required: ☐
Email To: HLaliberte@trcsolutions.com
Fax To #:

ANALYSIS REQUESTED: EPA 680/3540C (Homologs w/ Soxhlet extraction)

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Flow Rate (☐ m³/min ☒ L/min)	Matrix Code	Volume (☒ Liters ☐ m³)	EPA 680/3540C	Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	#10-Basement Records Room	12/31/15-0950	12/31/15 1359	249	5 L/min	IA	1245	X					
11	#11-Basement-Lower Lobby	0950	1400	250	|	|	1250	|					
12	#12-Basement Lower Lobby Duplicate	0950	1400	250	|	|	1250	|					
13	#13 Lower Basement Auditorium	0950	1401	251	|	|	1255	|					
14	#14 Lower Basement Multipurpose Room	0950	1401	251	|	|	1255	|					
15	#15-Blank	—	—	—	—	BL	—	|					

" Hg

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other______

	Date/Time
Relinquished by: (signature) Michael Kostnik [signature]	12/31/15-1504
Received by: (signature) [signature] 4.9°	12/31/15 1504
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

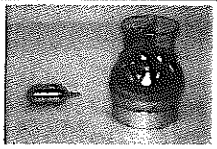
Detection Limit Requirements
MA:
CT: 50 ng/m3
Other:

Special Requirements
☐ MA MCP Required
☒ CT RCP Required
☐ Enhanced Data Package Required

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



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East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: RLF DATE: 12/31/15

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No 4.9°C
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) Are there any samples "On Hold"? Yes (No) Stored where:

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

6) Location where samples are stored: walk in

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

7) Number of cans Individually Certified or Batch Certified? none

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)			
Tedlar Bags			
TO-17 Tubes			
Regulators			
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009)			
(TO-4A/ TO-10A/TO-13) PUFs		15	low volume
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments: 152115 -01 -04 -07 -10 -13
-02 -05 -08 -11 -14
-03 -06 -09 -12 -15

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	T	

Who notified of False statements? **Date/Time:**

Log-In Technician Initials: **Date/Time:**

RLF 12/31/15 1504

Appendix D

Indoor Air Sampling Laboratory Results for PCBs March 2016 – TRC

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March 21, 2016

Henry LaLiberte
TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: Kent Memorial Library, Suffield, CT
Client Job Number:
Project Number: 223120
Laboratory Work Order Number: 16C0520

Enclosed are results of analyses for samples received by the laboratory on March 11, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

Table of Contents

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Henry LaLiberte

REPORT DATE: 3/21/2016

PURCHASE ORDER NUMBER: 20605

PROJECT NUMBER: 223120

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16C0520

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Memorial Library, Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1 - Upper Level South	16C0520-01	Indoor air		TO-10A/EPA 680 Modified	
2 - Upper Level North	16C0520-02	Indoor air		TO-10A/EPA 680 Modified	
3 - Intermediate Level North	16C0520-03	Indoor air		TO-10A/EPA 680 Modified	
4 - Intermediate Level North (Duplicate)	16C0520-04	Indoor air		TO-10A/EPA 680 Modified	
5 - Lower Level North	16C0520-05	Indoor air		TO-10A/EPA 680 Modified	
6 - Lower Level South	16C0520-06	Indoor air		TO-10A/EPA 680 Modified	
7 - Intermediate Level South	16C0520-07	Indoor air		TO-10A/EPA 680 Modified	
8 - Lower Basement Between Work Room & Equip. Room	16C0520-08	Indoor air		TO-10A/EPA 680 Modified	
9 - Basement Office	16C0520-09	Indoor air		TO-10A/EPA 680 Modified	
10 - Basement-Records Room	16C0520-10	Indoor air		TO-10A/EPA 680 Modified	
11 - Basement-Lower Lobby	16C0520-11	Indoor air		TO-10A/EPA 680 Modified	
12 - Basement Lower Lobby Duplicate	16C0520-12	Indoor air		TO-10A/EPA 680 Modified	
13 - Lower Basement-Auditorium	16C0520-13	Indoor air		TO-10A/EPA 680 Modified	
14 - Lower Basement Multi-Purpose Room	16C0520-14	Indoor air		TO-10A/EPA 680 Modified	
15 - Blank	16C0520-15	[blank]		TO-10A/EPA 680 Modified	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 1 - Upper Level South
Sample ID: 16C0520-01
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:50

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 18:08	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 18:08	CJM
Trichlorobiphenyls	0.0026	0.0010		0.0022	0.00083	1	3/15/16 18:08	CJM
Tetrachlorobiphenyls	0.13	0.0020		0.11	0.0017	1	3/15/16 18:08	CJM
Pentachlorobiphenyls	0.17	0.0020		0.14	0.0017	1	3/15/16 18:08	CJM
Hexachlorobiphenyls	0.025	0.0020		0.021	0.0017	1	3/15/16 18:08	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 18:08	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 18:08	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 18:08	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 18:08	CJM
Total Polychlorinated biphenyls	0.33			0.28		1	3/15/16 18:08	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	68.0	50-125	3/15/16 18:08

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 2 - Upper Level North
Sample ID: 16C0520-02
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:50

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 18:46	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 18:46	CJM
Trichlorobiphenyls	0.0032	0.0010		0.0026	0.00083	1	3/15/16 18:46	CJM
Tetrachlorobiphenyls	0.16	0.0020		0.13	0.0017	1	3/15/16 18:46	CJM
Pentachlorobiphenyls	0.22	0.0020		0.19	0.0017	1	3/15/16 18:46	CJM
Hexachlorobiphenyls	0.028	0.0020		0.023	0.0017	1	3/15/16 18:46	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 18:46	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 18:46	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 18:46	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 18:46	CJM
Total Polychlorinated biphenyls	0.41			0.35		1	3/15/16 18:46	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	70.3	50-125	3/15/16 18:46

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 3 - Intermediate Level North
Sample ID: 16C0520-03
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:51

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 19:24	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 19:24	CJM
Trichlorobiphenyls	0.0050	0.0010		0.0042	0.00083	1	3/15/16 19:24	CJM
Tetrachlorobiphenyls	0.13	0.0020		0.11	0.0017	1	3/15/16 19:24	CJM
Pentachlorobiphenyls	0.14	0.0020		0.11	0.0017	1	3/15/16 19:24	CJM
Hexachlorobiphenyls	0.018	0.0020		0.015	0.0017	1	3/15/16 19:24	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 19:24	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 19:24	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 19:24	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 19:24	CJM
Total Polychlorinated biphenyls	0.29			0.24		1	3/15/16 19:24	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	58.2	50-125	3/15/16 19:24

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 4 - Intermediate Level North (Duplicate)
Sample ID: 16C0520-04
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:51

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 20:02	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 20:02	CJM
Trichlorobiphenyls	0.0057	0.0010		0.0048	0.00083	1	3/15/16 20:02	CJM
Tetrachlorobiphenyls	0.15	0.0020		0.12	0.0017	1	3/15/16 20:02	CJM
Pentachlorobiphenyls	0.18	0.0020		0.15	0.0017	1	3/15/16 20:02	CJM
Hexachlorobiphenyls	0.019	0.0020		0.016	0.0017	1	3/15/16 20:02	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 20:02	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 20:02	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 20:02	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 20:02	CJM
Total Polychlorinated biphenyls	0.35			0.29		1	3/15/16 20:02	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	62.6	50-125	3/15/16 20:02

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 5 - Lower Level North
Sample ID: 16C0520-05
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:51

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 22:33	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 22:33	CJM
Trichlorobiphenyls	0.0025	0.0010		0.0021	0.00083	1	3/15/16 22:33	CJM
Tetrachlorobiphenyls	0.16	0.0020		0.13	0.0017	1	3/15/16 22:33	CJM
Pentachlorobiphenyls	0.20	0.0020		0.17	0.0017	1	3/15/16 22:33	CJM
Hexachlorobiphenyls	0.028	0.0020		0.023	0.0017	1	3/15/16 22:33	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 22:33	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 22:33	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 22:33	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 22:33	CJM
Total Polychlorinated biphenyls	0.39			0.33		1	3/15/16 22:33	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	68.2	50-125	3/15/16 22:33

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 6 - Lower Level South
Sample ID: 16C0520-06
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:51

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 23:11	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 23:11	CJM
Trichlorobiphenyls	0.0022	0.0010		0.0018	0.00083	1	3/15/16 23:11	CJM
Tetrachlorobiphenyls	0.12	0.0020		0.099	0.0017	1	3/15/16 23:11	CJM
Pentachlorobiphenyls	0.14	0.0020		0.12	0.0017	1	3/15/16 23:11	CJM
Hexachlorobiphenyls	0.019	0.0020		0.016	0.0017	1	3/15/16 23:11	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 23:11	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 23:11	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 23:11	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 23:11	CJM
Total Polychlorinated biphenyls	0.28			0.23		1	3/15/16 23:11	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	57.1	50-125	3/15/16 23:11

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 7 - Intermediate Level South
Sample ID: 16C0520-07
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:52

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

	Total µg			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 23:49	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/15/16 23:49	CJM
Trichlorobiphenyls	0.0045	0.0010		0.0037	0.00083	1	3/15/16 23:49	CJM
Tetrachlorobiphenyls	0.15	0.0020		0.13	0.0017	1	3/15/16 23:49	CJM
Pentachlorobiphenyls	0.16	0.0020		0.14	0.0017	1	3/15/16 23:49	CJM
Hexachlorobiphenyls	0.020	0.0020		0.016	0.0017	1	3/15/16 23:49	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 23:49	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/15/16 23:49	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/15/16 23:49	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/15/16 23:49	CJM
Total Polychlorinated biphenyls	0.34			0.28		1	3/15/16 23:49	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	70.9	50-125	3/15/16 23:49

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 8 - Lower Basement Between Work Room
Sample ID: 16C0520-08
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:52

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 0:27	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 0:27	CJM
Trichlorobiphenyls	0.0052	0.0010		0.0044	0.00083	1	3/16/16 0:27	CJM
Tetrachlorobiphenyls	0.13	0.0020		0.11	0.0017	1	3/16/16 0:27	CJM
Pentachlorobiphenyls	0.15	0.0020		0.12	0.0017	1	3/16/16 0:27	CJM
Hexachlorobiphenyls	0.020	0.0020		0.016	0.0017	1	3/16/16 0:27	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 0:27	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 0:27	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/16/16 0:27	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/16/16 0:27	CJM
Total Polychlorinated biphenyls	0.30			0.25		1	3/16/16 0:27	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	59.5	50-125	3/16/16 0:27

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 9 - Basement Office
Sample ID: 16C0520-09
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:53

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 1:05	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 1:05	CJM
Trichlorobiphenyls	0.0053	0.0010		0.0045	0.00083	1	3/16/16 1:05	CJM
Tetrachlorobiphenyls	0.13	0.0020		0.10	0.0017	1	3/16/16 1:05	CJM
Pentachlorobiphenyls	0.15	0.0020		0.12	0.0017	1	3/16/16 1:05	CJM
Hexachlorobiphenyls	0.024	0.0020		0.020	0.0017	1	3/16/16 1:05	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 1:05	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 1:05	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/16/16 1:05	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/16/16 1:05	CJM
Total Polychlorinated biphenyls	0.30			0.25		1	3/16/16 1:05	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	74.1	50-125	3/16/16 1:05

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 10 - Basement-Records Room
Sample ID: 16C0520-10
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:53

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 1:43	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 1:43	CJM
Trichlorobiphenyls	0.0016	0.0010		0.0013	0.00083	1	3/16/16 1:43	CJM
Tetrachlorobiphenyls	0.092	0.0020		0.077	0.0017	1	3/16/16 1:43	CJM
Pentachlorobiphenyls	0.11	0.0020		0.092	0.0017	1	3/16/16 1:43	CJM
Hexachlorobiphenyls	0.018	0.0020		0.015	0.0017	1	3/16/16 1:43	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 1:43	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 1:43	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/16/16 1:43	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/16/16 1:43	CJM
Total Polychlorinated biphenyls	0.22			0.19		1	3/16/16 1:43	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	66.8	50-125	3/16/16 1:43

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 11 - Basement-Lower Lobby
Sample ID: 16C0520-11
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:54

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1205

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 2:20	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 2:20	CJM
Trichlorobiphenyls	0.0029	0.0010		0.0024	0.00083	1	3/16/16 2:20	CJM
Tetrachlorobiphenyls	0.079	0.0020		0.066	0.0017	1	3/16/16 2:20	CJM
Pentachlorobiphenyls	0.091	0.0020		0.075	0.0017	1	3/16/16 2:20	CJM
Hexachlorobiphenyls	0.013	0.0020		0.010	0.0017	1	3/16/16 2:20	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 2:20	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 2:20	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	3/16/16 2:20	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	3/16/16 2:20	CJM
Total Polychlorinated biphenyls	0.19			0.15		1	3/16/16 2:20	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	62.2	50-125	3/16/16 2:20

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 12 - Basement Lower Lobby Duplicate
Sample ID: 16C0520-12
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:54

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1205

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 2:58	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 2:58	CJM
Trichlorobiphenyls	0.0038	0.0010		0.0031	0.00083	1	3/16/16 2:58	CJM
Tetrachlorobiphenyls	0.087	0.0020		0.073	0.0017	1	3/16/16 2:58	CJM
Pentachlorobiphenyls	0.10	0.0020		0.085	0.0017	1	3/16/16 2:58	CJM
Hexachlorobiphenyls	0.014	0.0020		0.012	0.0017	1	3/16/16 2:58	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 2:58	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 2:58	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0041	1	3/16/16 2:58	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0041	1	3/16/16 2:58	CJM
Total Polychlorinated biphenyls	0.21			0.17		1	3/16/16 2:58	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	66.8	50-125	3/16/16 2:58

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 13 - Lower Basement-Auditorium
Sample ID: 16C0520-13
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:54

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 3:36	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 3:36	CJM
Trichlorobiphenyls	0.0019	0.0010		0.0016	0.00083	1	3/16/16 3:36	CJM
Tetrachlorobiphenyls	0.098	0.0020		0.082	0.0017	1	3/16/16 3:36	CJM
Pentachlorobiphenyls	0.12	0.0020		0.10	0.0017	1	3/16/16 3:36	CJM
Hexachlorobiphenyls	0.020	0.0020		0.017	0.0017	1	3/16/16 3:36	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 3:36	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 3:36	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/16/16 3:36	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/16/16 3:36	CJM
Total Polychlorinated biphenyls	0.24			0.20		1	3/16/16 3:36	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	60.3	50-125	3/16/16 3:36

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 14 - Lower Basement Multi-Purpose Room
Sample ID: 16C0520-14
Sample Matrix: Indoor air
Sampled: 3/11/2016 12:54

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1200

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 4:14	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00083	1	3/16/16 4:14	CJM
Trichlorobiphenyls	0.0040	0.0010		0.0034	0.00083	1	3/16/16 4:14	CJM
Tetrachlorobiphenyls	0.11	0.0020		0.088	0.0017	1	3/16/16 4:14	CJM
Pentachlorobiphenyls	0.12	0.0020		0.10	0.0017	1	3/16/16 4:14	CJM
Hexachlorobiphenyls	0.017	0.0020		0.014	0.0017	1	3/16/16 4:14	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 4:14	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0025	1	3/16/16 4:14	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0042	1	3/16/16 4:14	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0042	1	3/16/16 4:14	CJM
Total Polychlorinated biphenyls	0.25			0.21		1	3/16/16 4:14	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	67.3	50-125	3/16/16 4:14

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ANALYTICAL RESULTS

Project Location: Kent Memorial Library, Suffield,
Date Received: 3/11/2016
Field Sample #: 15 - Blank
Sample ID: 16C0520-15
Sample Matrix: [blank]
Sampled: 3/11/2016 00:00

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 16C0520

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		1	3/16/16 4:52	CJM
Dichlorobiphenyls	ND	0.0010		1	3/16/16 4:52	CJM
Trichlorobiphenyls	ND	0.0010		1	3/16/16 4:52	CJM
Tetrachlorobiphenyls	ND	0.0020		1	3/16/16 4:52	CJM
Pentachlorobiphenyls	ND	0.0020		1	3/16/16 4:52	CJM
Hexachlorobiphenyls	ND	0.0020		1	3/16/16 4:52	CJM
Heptachlorobiphenyls	ND	0.0030		1	3/16/16 4:52	CJM
Octachlorobiphenyls	ND	0.0030		1	3/16/16 4:52	CJM
Nonachlorobiphenyls	ND	0.0050		1	3/16/16 4:52	CJM
Decachlorobiphenyl	ND	0.0050		1	3/16/16 4:52	CJM
Total Polychlorinated biphenyls	0.0			1	3/16/16 4:52	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	73.7	50-125	3/16/16 4:52

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
16C0520-01 [1 - Upper Level South]	B144079	1.00	1.00	03/14/16
16C0520-02 [2 - Upper Level North]	B144079	1.00	1.00	03/14/16
16C0520-03 [3 - Intermediate Level North]	B144079	1.00	1.00	03/14/16
16C0520-04 [4 - Intermediate Level North (Duplicate)]	B144079	1.00	1.00	03/14/16
16C0520-05 [5 - Lower Level North]	B144079	1.00	1.00	03/14/16
16C0520-06 [6 - Lower Level South]	B144079	1.00	1.00	03/14/16
16C0520-07 [7 - Intermediate Level South]	B144079	1.00	1.00	03/14/16
16C0520-08 [8 - Lower Basement Between Work Room & Equip. R	B144079	1.00	1.00	03/14/16
16C0520-09 [9 - Basement Office]	B144079	1.00	1.00	03/14/16
16C0520-10 [10 - Basement-Records Room]	B144079	1.00	1.00	03/14/16
16C0520-11 [11 - Basement-Lower Lobby]	B144079	1.00	1.00	03/14/16
16C0520-12 [12 - Basement Lower Lobby Duplicate]	B144079	1.00	1.00	03/14/16
16C0520-13 [13 - Lower Basement-Auditorium]	B144079	1.00	1.00	03/14/16
16C0520-14 [14 - Lower Basement Multi-Purpose Room]	B144079	1.00	1.00	03/14/16
16C0520-15 [15 - Blank]	B144079	1.00	1.00	03/14/16

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B144079 - SW-846 3540C											
Blank (B144079-BLK1)					Prepared: 03/14/16 Analyzed: 03/15/16						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.125*				*0.200*		*62.7*	*50-125*			
LCS (B144079-BS1)					Prepared: 03/14/16 Analyzed: 03/15/16						
Monochlorobiphenyls	0.17	0.0010			0.200		84.3	40-140			
Dichlorobiphenyls	0.17	0.0010			0.200		85.4	40-140			
Trichlorobiphenyls	0.16	0.0010			0.200		81.3	40-140			
Tetrachlorobiphenyls	0.34	0.0020			0.400		83.8	40-140			
Pentachlorobiphenyls	0.35	0.0020			0.400		86.8	40-140			
Hexachlorobiphenyls	0.35	0.0020			0.400		87.5	40-140			
Heptachlorobiphenyls	0.51	0.0030			0.600		84.3	40-140			
Octachlorobiphenyls	0.52	0.0030			0.600		87.3	40-140			
Nonachlorobiphenyls	0.89	0.0050			1.00		89.2	40-140			
Decachlorobiphenyl	0.68	0.0050			1.00		68.5	40-140			
Surrogate: Tetrachloro-m-xylene	*0.163*				*0.200*		*81.4*	*50-125*			
LCS Dup (B144079-BSD1)					Prepared: 03/14/16 Analyzed: 03/15/16						
Monochlorobiphenyls	0.18	0.0010			0.200		88.8	40-140	5.29	50	
Dichlorobiphenyls	0.17	0.0010			0.200		85.3	40-140	0.149	50	
Trichlorobiphenyls	0.16	0.0010			0.200		80.4	40-140	1.12	50	
Tetrachlorobiphenyls	0.33	0.0020			0.400		83.3	40-140	0.534	50	
Pentachlorobiphenyls	0.34	0.0020			0.400		84.9	40-140	2.30	50	
Hexachlorobiphenyls	0.34	0.0020			0.400		85.5	40-140	2.34	50	
Heptachlorobiphenyls	0.49	0.0030			0.600		82.1	40-140	2.66	50	
Octachlorobiphenyls	0.51	0.0030			0.600		85.1	40-140	2.58	50	
Nonachlorobiphenyls	0.85	0.0050			1.00		84.8	40-140	5.01	50	
Decachlorobiphenyl	0.64	0.0050			1.00		64.4	40-140	6.11	50	
Surrogate: Tetrachloro-m-xylene	*0.162*				*0.200*		*81.2*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
TO-10A/EPA 680 Modified in Air	
Total Polychlorinated biphenyls	AIHA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (AIR)

160520

Company Name: TRC
Address: 21 Griffin Rd North Windsor, CT
Phone: 860-298-9692
Project Name: Kent Memorial Library
Project Location: Suffield, CT
Project Number: 223120
Project Manager: Henry Laliberte
Con-Test Bid:
Invoice Recipient:
Sampled By: MK/TM - 860-817-2413 - Mike Kostruba

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: (5 DAY)

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
Enhanced Data Package Required: ☐
Email To: HLaliberke trcsolutions.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	EPA 680/3540C - Homolog w/ Soxhlet extraction	" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☒ L/min	Code	☒ Liters ☐ m³		Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	For summa canister and flow controller information please refer to Con-Test's Air Media Agreement
												Summa Can ID	Flow Controller ID
01	1-Upper Level South	3/11/16 0850	3/11/16 1250	240	5 L/min	IA	1200	X					
02	2-Upper Level North	0850	1250	240									
03	3-Intermediate Level North	0851	1251	240									
04	4-Intermediate Level North (Duplicate)	0851	1251	240									
05	5-Lower Level North	0851	1251	240									
06	6-Lower Level South	0851	1251	240									
07	7-Intermediate Level South	0852	1252	240									
08	8-Lower Basement between Work Room & Equip Room	0852	1252	240									
09	9-Basement office	0853	1253	240									

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature) Mike Kostruba	Date/Time: 3/11/16 1350	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time: 3-11-16 1350	MA	☐ MA MCP Required
Relinquished by: (signature)	Date/Time: 3-11-16 1420	CT 50 ng/m3	☒ CT RCP Required
Received by: (signature) T.S.	Date/Time: 3/11/16 1420	Other	☐ Enhanced Data Package Required
Relinquished by: (signature)	Date/Time:	NELAC and AIHA-LAP, LLC Accredited	
Received by: (signature)	Date/Time:		

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
http://www.contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

Doc #378 Rev 0 5/8/15

1660520

CHAIN OF CUSTODY RECORD (AIR)

Page 2 of 2

Company Name: TRC
Address: 21 Griffin Rd
Phone: 860-298-9692
Project Name: Kent Memorial Library
Project Location: Suffield CT
Project Number: 223120
Project Manager: Henry Laliberte
Con-Test Bid:
Invoice Recipient:
Sampled By: MK/TM - 860-817-2413 (MK)

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other (5 Day)

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
Enhanced Data Package Required: ☐
Email To: HLaliberte@trcsolutions.com
Fax To #:

ANALYSIS REQUESTED: EPA680/354OC (Homologs with Soxhlet extraction)

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate: m³/min ☐ L/min ☒	Matrix Code	Volume: Liters ☒ m³ ☐	EPA680/354OC (Homologs with Soxhlet extraction)				Initial Pressure (" Hg)	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	10 - Basement - Records Room	3/11/16 0853	3/11/16 1253	~~5L/min~~ 240 MK	5 L/min	IA	1200	X								
11	11 - Basement - Lower Lobby	0853	1254	241			1205									
12	12 - Basement Lower Lobby Duplicate	0853	1254	241			1205									
13	13 - Lower Basement Auditorium	0854	1254	240			1200									
14	14 - Lower Basement Multi Purpose Room	0854	1254	240			1200									
15	15 - Blank	—	—	—	—	BL										

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished/Received	Date/Time
Relinquished by: (signature) mike fastrubs	3/11/16 1350
Received by: (signature)	3-11-16 1350
Relinquished by: (signature)	3-11-16 1420
Received by: (signature) 3.5	3/11/16 1420
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements		Special Requirements
MA		☐ MA MCP Required
CT	50ng/m³	☒ CT RCP Required
Other		☐ Enhanced Data Package Required

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other______

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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con-test® ANALYTICAL LABORATORY

AIR Only Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME TRC **RECEIVED BY**: VP **DATE**: 3/11/2016

1) Was the chain(s) of custody relinquished and signed? **Yes** X **No** _____

2) Does the chain agree with the samples? **Yes** X **No** _____
If not, explain:

3) Are all the samples in good condition? **Yes** X **No** _____
If not, explain:

4) Are there any samples "On Hold"? **Yes** _____ **No** X Stored where: _____

5) Are there any RUSH or SHORT HOLDING TIME samples? **Yes** _____ **No** X

Who was notified _____ Date _____ Time _____

6) Location where samples are stored: AIR

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

7) Number of cans Individually Certified or Batch Certified? _____

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)			
Tedlar Bags			
TO-17 Tubes			
Regulators			
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009)			
(TO-4A/ TO-10A/TO-13) PUFs		15	LOW VOLUME
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:				LOT #	022516-01		-5	-9	-13							
						-2	-6	-10	-14							
						-3	-7	-11	-15							
						-4	-8	-12								

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	3.5
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	NA	

Who notified of False statements? **Date/Time:**

Doc #278 Rev. 5 October 2014 **Log-In Technician Initials:** **VP** **3/11/16**

Appendix E

Wipe Sample Laboratory Results Prior to Surface Isolation

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

November 22, 2016

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: Kent Library- Wipe Samples
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 16K0839

Enclosed are results of analyses for samples received by the laboratory on November 15, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

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Table of Contents (continued)

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 11/22/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16K0839

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Library- Wipe Samples

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
KPL-001	16K0839-01	Wipe		SW-846 8082A	
KPL-002	16K0839-02	Wipe		SW-846 8082A	
KPL-003	16K0839-03	Wipe		SW-846 8082A	
KPL-004	16K0839-04	Wipe		SW-846 8082A	
KPL-005	16K0839-05	Wipe		SW-846 8082A	
KPL-006	16K0839-06	Wipe		SW-846 8082A	
KPL-007	16K0839-07	Wipe		SW-846 8082A	
KPL-008	16K0839-08	Wipe		SW-846 8082A	
KPL-009	16K0839-09	Wipe		SW-846 8082A	
KPL-010	16K0839-10	Wipe		SW-846 8082A	
KPL-011	16K0839-11	Wipe		SW-846 8082A	
KPL-012	16K0839-12	Wipe		SW-846 8082A	
KPL-013	16K0839-13	Wipe		SW-846 8082A	
KPL-014	16K0839-14	Wipe		SW-846 8082A	
KPL-015	16K0839-15	Wipe		SW-846 8082A	
KPL-016	16K0839-16	Wipe		SW-846 8082A	
KPL-017	16K0839-17	Wipe		SW-846 8082A	
KPL-018	16K0839-18	Wipe		SW-846 8082A	
KPL-019	16K0839-19	Wipe		SW-846 8082A	
KPL-020	16K0839-20	Wipe		SW-846 8082A	
KPL-021	16K0839-21	Wipe		SW-846 8082A	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-001 | Sampled: 11/14/2016 17:00

Sample ID: 16K0839-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1254 [1]	0.48	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:28	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.4	30-150		11/21/16 13:28
Decachlorobiphenyl [2]	86.0	30-150		11/21/16 13:28
Tetrachloro-m-xylene [1]	89.5	30-150		11/21/16 13:28
Tetrachloro-m-xylene [2]	90.5	30-150		11/21/16 13:28

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-002 | Sampled: 11/14/2016 17:03

Sample ID: 16K0839-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:40	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.4	30-150		11/21/16 13:40
Decachlorobiphenyl [2]	80.5	30-150		11/21/16 13:40
Tetrachloro-m-xylene [1]	82.9	30-150		11/21/16 13:40
Tetrachloro-m-xylene [2]	86.1	30-150		11/21/16 13:40

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-003 | Sampled: 11/14/2016 17:06

Sample ID: 16K0839-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 13:52	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.4	30-150		11/21/16 13:52
Decachlorobiphenyl [2]	87.6	30-150		11/21/16 13:52
Tetrachloro-m-xylene [1]	91.3	30-150		11/21/16 13:52
Tetrachloro-m-xylene [2]	88.6	30-150		11/21/16 13:52

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-004 | Sampled: 11/14/2016 17:09

Sample ID: 16K0839-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:05	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.8	30-150		11/21/16 14:05
Decachlorobiphenyl [2]	81.1	30-150		11/21/16 14:05
Tetrachloro-m-xylene [1]	81.9	30-150		11/21/16 14:05
Tetrachloro-m-xylene [2]	85.4	30-150		11/21/16 14:05

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-005 | Sampled: 11/14/2016 17:16

Sample ID: 16K0839-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:17	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.2	30-150		11/21/16 14:17
Decachlorobiphenyl [2]	83.2	30-150		11/21/16 14:17
Tetrachloro-m-xylene [1]	84.5	30-150		11/21/16 14:17
Tetrachloro-m-xylene [2]	87.5	30-150		11/21/16 14:17

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-006 | Sampled: 11/14/2016 17:18

Sample ID: 16K0839-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:29	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.9	30-150		11/21/16 14:29
Decachlorobiphenyl [2]	86.6	30-150		11/21/16 14:29
Tetrachloro-m-xylene [1]	87.6	30-150		11/21/16 14:29
Tetrachloro-m-xylene [2]	87.4	30-150		11/21/16 14:29

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-007 | Sampled: 11/14/2016 17:20

Sample ID: 16K0839-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:42	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.6	30-150		11/21/16 14:42
Decachlorobiphenyl [2]	88.9	30-150		11/21/16 14:42
Tetrachloro-m-xylene [1]	96.3	30-150		11/21/16 14:42
Tetrachloro-m-xylene [2]	89.6	30-150		11/21/16 14:42

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-008 | Sampled: 11/14/2016 17:22

Sample ID: 16K0839-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1254 [1]	0.63	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 14:54	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.7	30-150		11/21/16 14:54
Decachlorobiphenyl [2]	87.4	30-150		11/21/16 14:54
Tetrachloro-m-xylene [1]	91.7	30-150		11/21/16 14:54
Tetrachloro-m-xylene [2]	92.4	30-150		11/21/16 14:54

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-009 | Sampled: 11/14/2016 17:35

Sample ID: 16K0839-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 15:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.2	30-150		11/21/16 15:06
Decachlorobiphenyl [2]	89.4	30-150		11/21/16 15:06
Tetrachloro-m-xylene [1]	94.7	30-150		11/21/16 15:06
Tetrachloro-m-xylene [2]	87.5	30-150		11/21/16 15:06

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-010 | Sampled: 11/14/2016 17:38

Sample ID: 16K0839-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1254 [1]	0.23	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.5	30-150		11/21/16 16:06
Decachlorobiphenyl [2]	90.0	30-150		11/21/16 16:06
Tetrachloro-m-xylene [1]	95.9	30-150		11/21/16 16:06
Tetrachloro-m-xylene [2]	89.2	30-150		11/21/16 16:06

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-011 | Sampled: 11/14/2016 17:41

Sample ID: 16K0839-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1254 [1]	0.33	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:18	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.7	30-150		11/21/16 16:18
Decachlorobiphenyl [2]	87.1	30-150		11/21/16 16:18
Tetrachloro-m-xylene [1]	89.1	30-150		11/21/16 16:18
Tetrachloro-m-xylene [2]	86.1	30-150		11/21/16 16:18

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-012 | Sampled: 11/14/2016 17:45

Sample ID: 16K0839-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1254 [1]	0.39	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:30	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.4	30-150		11/21/16 16:30
Decachlorobiphenyl [2]	89.1	30-150		11/21/16 16:30
Tetrachloro-m-xylene [1]	93.0	30-150		11/21/16 16:30
Tetrachloro-m-xylene [2]	87.4	30-150		11/21/16 16:30

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Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-013 | Sampled: 11/14/2016 18:00

Sample ID: 16K0839-13

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1254 [1]	0.33	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:43	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.1	30-150		11/21/16 16:43
Decachlorobiphenyl [2]	86.2	30-150		11/21/16 16:43
Tetrachloro-m-xylene [1]	89.9	30-150		11/21/16 16:43
Tetrachloro-m-xylene [2]	86.9	30-150		11/21/16 16:43

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-014 | Sampled: 11/14/2016 18:02

Sample ID: 16K0839-14

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1254 [1]	0.35	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 16:55	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.1	30-150		11/21/16 16:55
Decachlorobiphenyl [2]	82.0	30-150		11/21/16 16:55
Tetrachloro-m-xylene [1]	85.4	30-150		11/21/16 16:55
Tetrachloro-m-xylene [2]	88.3	30-150		11/21/16 16:55

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-015 | Sampled: 11/14/2016 18:04

Sample ID: 16K0839-15

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:07	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.8	30-150		11/21/16 17:07
Decachlorobiphenyl [2]	89.2	30-150		11/21/16 17:07
Tetrachloro-m-xylene [1]	93.6	30-150		11/21/16 17:07
Tetrachloro-m-xylene [2]	87.2	30-150		11/21/16 17:07

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-016 | Sampled: 11/14/2016 18:06

Sample ID: 16K0839-16

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:20	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.9	30-150		11/21/16 17:20
Decachlorobiphenyl [2]	82.4	30-150		11/21/16 17:20
Tetrachloro-m-xylene [1]	84.8	30-150		11/21/16 17:20
Tetrachloro-m-xylene [2]	86.0	30-150		11/21/16 17:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-017 | Sampled: 11/14/2016 18:20

Sample ID: 16K0839-17

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1254 [1]	0.27	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.5	30-150		11/21/16 17:32
Decachlorobiphenyl [2]	90.0	30-150		11/21/16 17:32
Tetrachloro-m-xylene [1]	94.6	30-150		11/21/16 17:32
Tetrachloro-m-xylene [2]	87.0	30-150		11/21/16 17:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-018 | Sampled: 11/14/2016 18:23

Sample ID: 16K0839-18

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:44	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.1	30-150		11/21/16 17:44
Decachlorobiphenyl [2]	91.5	30-150		11/21/16 17:44
Tetrachloro-m-xylene [1]	95.3	30-150		11/21/16 17:44
Tetrachloro-m-xylene [2]	88.8	30-150		11/21/16 17:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-019 | Sampled: 11/14/2016 18:25

Sample ID: 16K0839-19

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1254 [1]	0.22	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 17:57	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.0	30-150		11/21/16 17:57
Decachlorobiphenyl [2]	91.0	30-150		11/21/16 17:57
Tetrachloro-m-xylene [1]	96.5	30-150		11/21/16 17:57
Tetrachloro-m-xylene [2]	89.2	30-150		11/21/16 17:57

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-020 | Sampled: 11/14/2016 18:27

Sample ID: 16K0839-20

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1254 [1]	0.32	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 18:09	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.9	30-150		11/21/16 18:09
Decachlorobiphenyl [2]	89.3	30-150		11/21/16 18:09
Tetrachloro-m-xylene [1]	94.5	30-150		11/21/16 18:09
Tetrachloro-m-xylene [2]	89.5	30-150		11/21/16 18:09

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Library- Wipe Samples | Sample Description: | Work Order: 16K0839

Date Received: 11/15/2016

Field Sample #: KPL-021 | Sampled: 11/14/2016 00:00

Sample ID: 16K0839-21

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	11/18/16	11/21/16 11:51	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.5	30-150		11/21/16 11:51
Decachlorobiphenyl [2]	91.7	30-150		11/21/16 11:51
Tetrachloro-m-xylene [1]	95.3	30-150		11/21/16 11:51
Tetrachloro-m-xylene [2]	89.3	30-150		11/21/16 11:51

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
16K0839-01 [KPL-001]	B163777	1.00	10.0	11/18/16
16K0839-02 [KPL-002]	B163777	1.00	10.0	11/18/16
16K0839-03 [KPL-003]	B163777	1.00	10.0	11/18/16
16K0839-04 [KPL-004]	B163777	1.00	10.0	11/18/16
16K0839-05 [KPL-005]	B163777	1.00	10.0	11/18/16
16K0839-06 [KPL-006]	B163777	1.00	10.0	11/18/16
16K0839-07 [KPL-007]	B163777	1.00	10.0	11/18/16
16K0839-08 [KPL-008]	B163777	1.00	10.0	11/18/16
16K0839-09 [KPL-009]	B163777	1.00	10.0	11/18/16
16K0839-10 [KPL-010]	B163777	1.00	10.0	11/18/16
16K0839-11 [KPL-011]	B163777	1.00	10.0	11/18/16
16K0839-12 [KPL-012]	B163777	1.00	10.0	11/18/16
16K0839-13 [KPL-013]	B163777	1.00	10.0	11/18/16
16K0839-14 [KPL-014]	B163777	1.00	10.0	11/18/16
16K0839-15 [KPL-015]	B163777	1.00	10.0	11/18/16
16K0839-16 [KPL-016]	B163777	1.00	10.0	11/18/16
16K0839-17 [KPL-017]	B163777	1.00	10.0	11/18/16
16K0839-18 [KPL-018]	B163777	1.00	10.0	11/18/16
16K0839-19 [KPL-019]	B163777	1.00	10.0	11/18/16
16K0839-20 [KPL-020]	B163777	1.00	10.0	11/18/16

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
16K0839-21 [KPL-021]	B163779	1.00	10.0	11/18/16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B163777 - SW-846 3540C										
Blank (B163777-BLK1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.76*		µg/Wipe	2.00		88.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.82*		µg/Wipe	2.00		90.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.83*		µg/Wipe	2.00		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.77*		µg/Wipe	2.00		88.4	30-150			
LCS (B163777-BS1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	0.50	0.20	µg/Wipe	0.500		99.2	40-140			
Aroclor-1016 [2C]	0.46	0.20	µg/Wipe	0.500		91.9	40-140			
Aroclor-1260	0.47	0.20	µg/Wipe	0.500		93.8	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/Wipe	0.500		101	40-140			
Surrogate: Decachlorobiphenyl	*1.73*		µg/Wipe	2.00		86.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.78*		µg/Wipe	2.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.86*		µg/Wipe	2.00		93.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.79*		µg/Wipe	2.00		89.7	30-150			
LCS Dup (B163777-BSD1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	0.49	0.20	µg/Wipe	0.500		97.9	40-140	1.31	30	
Aroclor-1016 [2C]	0.46	0.20	µg/Wipe	0.500		92.7	40-140	0.841	30	
Aroclor-1260	0.50	0.20	µg/Wipe	0.500		99.6	40-140	6.02	30	
Aroclor-1260 [2C]	0.47	0.20	µg/Wipe	0.500		93.9	40-140	7.41	30	
Surrogate: Decachlorobiphenyl	*1.69*		µg/Wipe	2.00		84.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/Wipe	2.00		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.84*		µg/Wipe	2.00		91.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.73*		µg/Wipe	2.00		86.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B163779 - SW-846 3540C										
Blank (B163779-BLK1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.75*		µg/Wipe	2.00		87.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.80*		µg/Wipe	2.00		90.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.95*		µg/Wipe	2.00		97.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.83*		µg/Wipe	2.00		91.4	30-150			
LCS (B163779-BS1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	0.60	0.20	µg/Wipe	0.500		120	40-140			
Aroclor-1016 [2C]	0.62	0.20	µg/Wipe	0.500		124	40-140			
Aroclor-1260	0.54	0.20	µg/Wipe	0.500		108	40-140			
Aroclor-1260 [2C]	0.55	0.20	µg/Wipe	0.500		110	40-140			
Surrogate: Decachlorobiphenyl	*1.85*		µg/Wipe	2.00		92.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.87*		µg/Wipe	2.00		93.4	30-150			
Surrogate: Tetrachloro-m-xylene	*2.03*		µg/Wipe	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.85*		µg/Wipe	2.00		92.4	30-150			
LCS Dup (B163779-BSD1)				Prepared: 11/18/16 Analyzed: 11/21/16						
Aroclor-1016	0.56	0.20	µg/Wipe	0.500		111	40-140	7.79	30	
Aroclor-1016 [2C]	0.46	0.20	µg/Wipe	0.500		91.7	40-140	29.9	30	
Aroclor-1260	0.43	0.20	µg/Wipe	0.500		85.1	40-140	23.6	30	
Aroclor-1260 [2C]	0.42	0.20	µg/Wipe	0.500		84.6	40-140	25.8	30	
Surrogate: Decachlorobiphenyl	*1.48*		µg/Wipe	2.00		74.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.62*		µg/Wipe	2.00		80.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.69*		µg/Wipe	2.00		84.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.75*		µg/Wipe	2.00		87.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-001

Lab Sample ID: 16K0839-01 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.48	
	2	0.00	0.00	0.00	0.47	1.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-008

Lab Sample ID: 16K0839-08 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.63	
	2	0.00	0.00	0.00	0.56	12.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-011

Lab Sample ID: 16K0839-11 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.33	
	2	0.00	0.00	0.00	0.32	1.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-012

Lab Sample ID: 16K0839-12 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.39	
	2	0.00	0.00	0.00	0.33	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-013

Lab Sample ID: 16K0839-13 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.33	
	2	0.00	0.00	0.00	0.28	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-014

Lab Sample ID: 16K0839-14 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.35	
	2	0.00	0.00	0.00	0.30	14.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-017

Lab Sample ID: 16K0839-17 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.23	16.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KPL-020

Lab Sample ID: 16K0839-20 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.32	
	2	0.00	0.00	0.00	0.27	15.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B163777-BS1 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.50	
	2	0.00	0.00	0.00	0.46	8
Aroclor-1260	1	0.00	0.00	0.00	0.47	
	2	0.00	0.00	0.00	0.51	8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B163777-BSD1 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.49	
	2	0.00	0.00	0.00	0.46	6
Aroclor-1260	1	0.00	0.00	0.00	0.50	
	2	0.00	0.00	0.00	0.47	6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B163779-BS1 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.60	
	2	0.00	0.00	0.00	0.62	3
Aroclor-1260	1	0.00	0.00	0.00	0.54	
	2	0.00	0.00	0.00	0.55	2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B163779-BSD1 Date(s) Analyzed: 11/21/2016 11/21/2016

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.56	
	2	0.00	0.00	0.00	0.46	19
Aroclor-1260	1	0.00	0.00	0.00	0.43	
	2	0.00	0.00	0.00	0.42	1

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

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Fax: 413-525-6405
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CHAIN OF CUSTODY RECORD

16K0839

Rev 04.05.12

39 Spruce Street
East longmeadow, MA 01028

Company Name: Fuss & O'Neill EnviroScience
Address: 146 Hartford Rd Manchester, CT
Attention: R. May, K. Rinard
Project Location: Kent Library - Wipe Samples
Sampled By: Kim Rinard

Project Proposal Provided? (for billing purposes)
○ yes ________ proposal date

Telephone:
Project # 20151259.A2E
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #
Email: ① ON FILE
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

# of Containers	1
** Preservation	O
*** Container Code	G

ANALYSIS REQUESTED: EPA-8082 PCBs 3540C

Dissolved Metals
○ Field Filtered
○ Lab to Filter

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	EPA-8082 PCBs 3540C
01	KPL-001	11/14/16	1700			W	L	X
02	002	↓	1703			↓	↓	↓
03	003	↓	1706			↓	↓	↓
04	004	↓	1709			↓	↓	↓
05	005	↓	1716			↓	↓	↓
06	KPL-006	11/14/16	1718			W	L	X
07	007	↓	1720			↓	↓	↓
08	008	↓	1722			↓	↓	↓
09	009	↓	1735			↓	↓	↓
10	010	↓	1738			↓	↓	↓

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other HEXANE

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other
W = Hex Wipe

Comments: Settled Dust Wipes - Day 1 Event

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Signature	Date/Time
Relinquished by: (signature) [signature]	11/15/16 1500
Received by: (signature) Paul Rinaldi	11/15/16 1500
Relinquished by: (signature) Paul Rinaldi	11/15/16 15:45
Received by: (signature) [signature] 4.3	11/15/16 1545

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: RL L 1ug/wipe

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # ____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

CHAIN OF CUSTODY RECORD

16K0839

Rev 04.05.12

con-test® ANALYTICAL LABORATORY
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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Company Name: Fuss & O'Neill Enviro Science | Telephone

Address: 146 Hartford Rd, Manchester, CT | Project # 20151259.A2E

Client PO#

Attention: R. May, K. Rinard

Project Location: Kent Library - Wipe Samples

Sampled By: Kn Rinard

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #
Email:
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code
11	KPL-011	11/14/16	1741		W	L	
12	012		1745				
13	013		1800				
14	014		1802				
15	015		1804				
16	KPL-016	11/14/16	1806		W	L	
17	017		1820				
18	018		1823				
19	019		1825				
20	020		1827				

ANALYSIS REQUESTED

	# of Containers	** Preservation	***Container Code
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

EPA 8082 PCB 3540 C

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW = groundwater
WW = wastewater
DW = drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
K. Rinard	11/15/16 1505
Received by: (signature)	Date/Time:
	11/15/16 1505
Relinquished by: (signature)	Date/Time:
	11/15/16 15:45
Received by: (signature)	Date/Time:
	11/15/16 1545

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: RL & lug/wipe

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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Fax: 413-525-6405
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CHAIN OF CUSTODY RECORD

16K0839

Rev 04.05.12

Page 3 of 3

Company Name: Fuss & O'Neill EnviroScience
Address: 146 Hartford Rd, Manchester, CT
Attention: R. May, K. Rinard
Project Location:
Sampled By: Kim Rinard
Project Proposal Provided? (for billing purposes) ○ yes ______ proposal date

Telephone:
Project #: 20151259. A2E
Client PO#:

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #:
Email:
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	EPA 8082 PCBs 3540C
21	KPL-021	11/14/16	~~1830~~ Kn			W	L	X

# of Containers: 1
** Preservation: 0
*** Container Code: G

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other ______

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other ______

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Signature	Date/Time
Relinquished by: (signature) [signature]	11/15/16 1500
Received by: (signature) [signature]	11/15/16 1500
Relinquished by: (signature) [signature]	11/15/16 1545
Received by: (signature) [signature] 4.3	11/15/16 1545

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other ______
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: RL L ug/wipe

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # ______

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Fuss + O'neill **RECEIVED BY:** JM **DATE:** 11/15/16

1) **Was the chain(s) of custody relinquished and signed?** **Yes** ✓ **No** ____ **No COC Incl.**

2) **Does the chain agree with the samples?** **Yes** ✓ **No** ____
If not, explain:

3) **Are all the samples in good condition?** **Yes** ✓ **No** ____
If not, explain:

4) **How were the samples received:**
On Ice ✓ Direct from Sampling ____ Ambient ____ In Cooler(s) ✓

Were the samples received in Temperature Compliance of (2-6°C)? **Yes** ✓ **No** ____ **N/A** ____

Temperature °C by Temp blank ____ Temperature °C by Temp gun 4.3

5) **Are there Dissolved samples for the lab to filter?** **Yes** ____ **No** ✓
Who was notified ____ Date ____ Time ____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** **Yes** ____ **No** ✓
Who was notified ____ Date ____ Time ____

7) **Location where samples are stored:** Login

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

8) **Do all samples have the proper Acid pH:** **Yes** ____ **No** ____ **N/A** ✓

9) **Do all samples have the proper Base pH:** **Yes** ____ **No** ____ **N/A** ✓

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** **Yes** ____ **N/A** ✓

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	21
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		SOC Kit	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

40 mL vials: # HCl ____ # Methanol ____ **Time and Date Frozen:**
Bisulfate ____ # DI Water ____
Thiosulfate ____ Unpreserved ____

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	N/A	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	N/A	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	N/A	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	N/A	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	N/A	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JM **Date/Time:** 11/15/16 1545

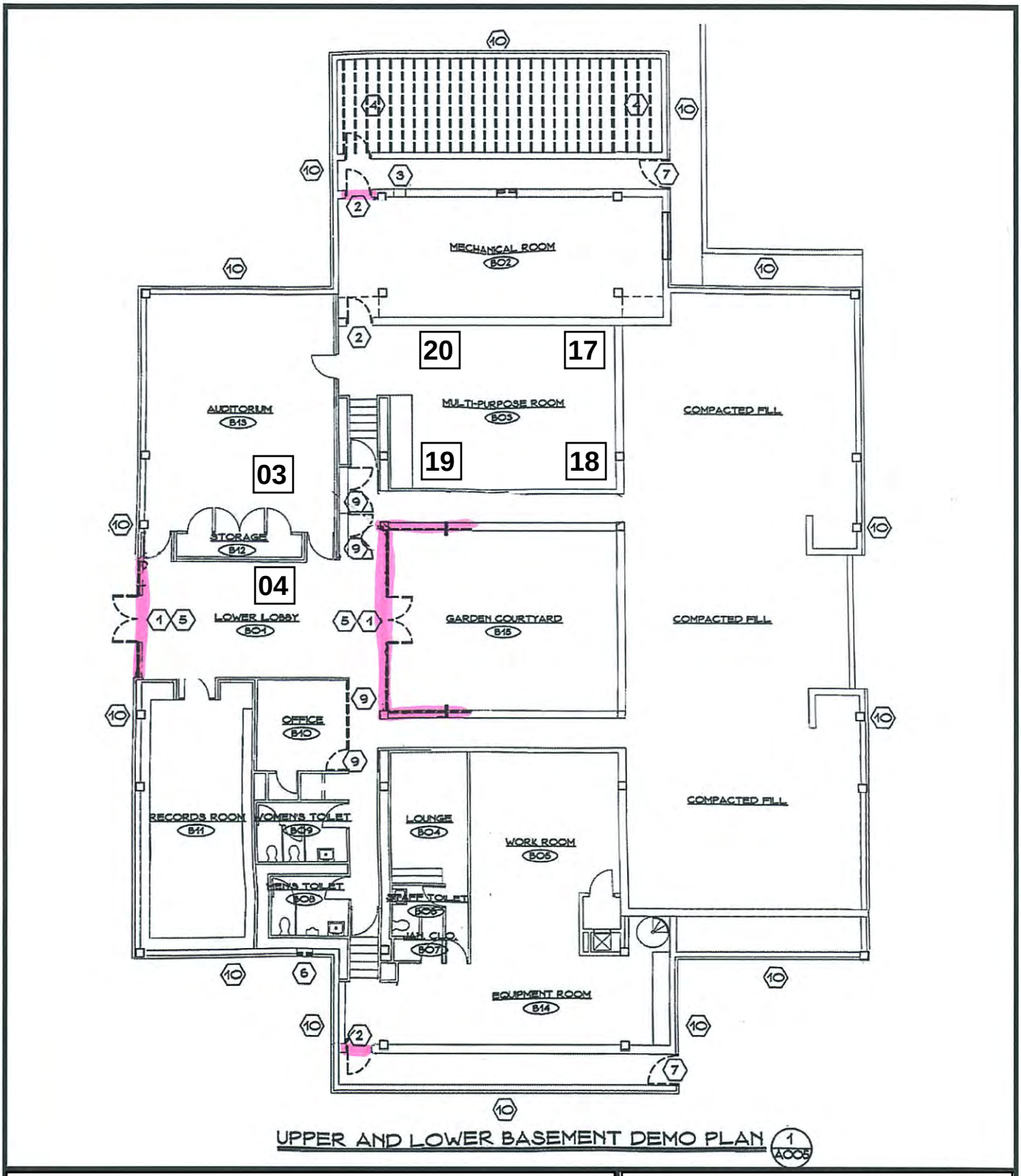

Figure 2-1 Indoor Settled Dust Wipe Sample Locations
Day 1 Indoor Settled Dust Sampling Event

28 Indoor Wipe Sample Location and Identifier

Boundary of Target Sample Location

FUSS & O'NEILL
EnviroScience, LLC

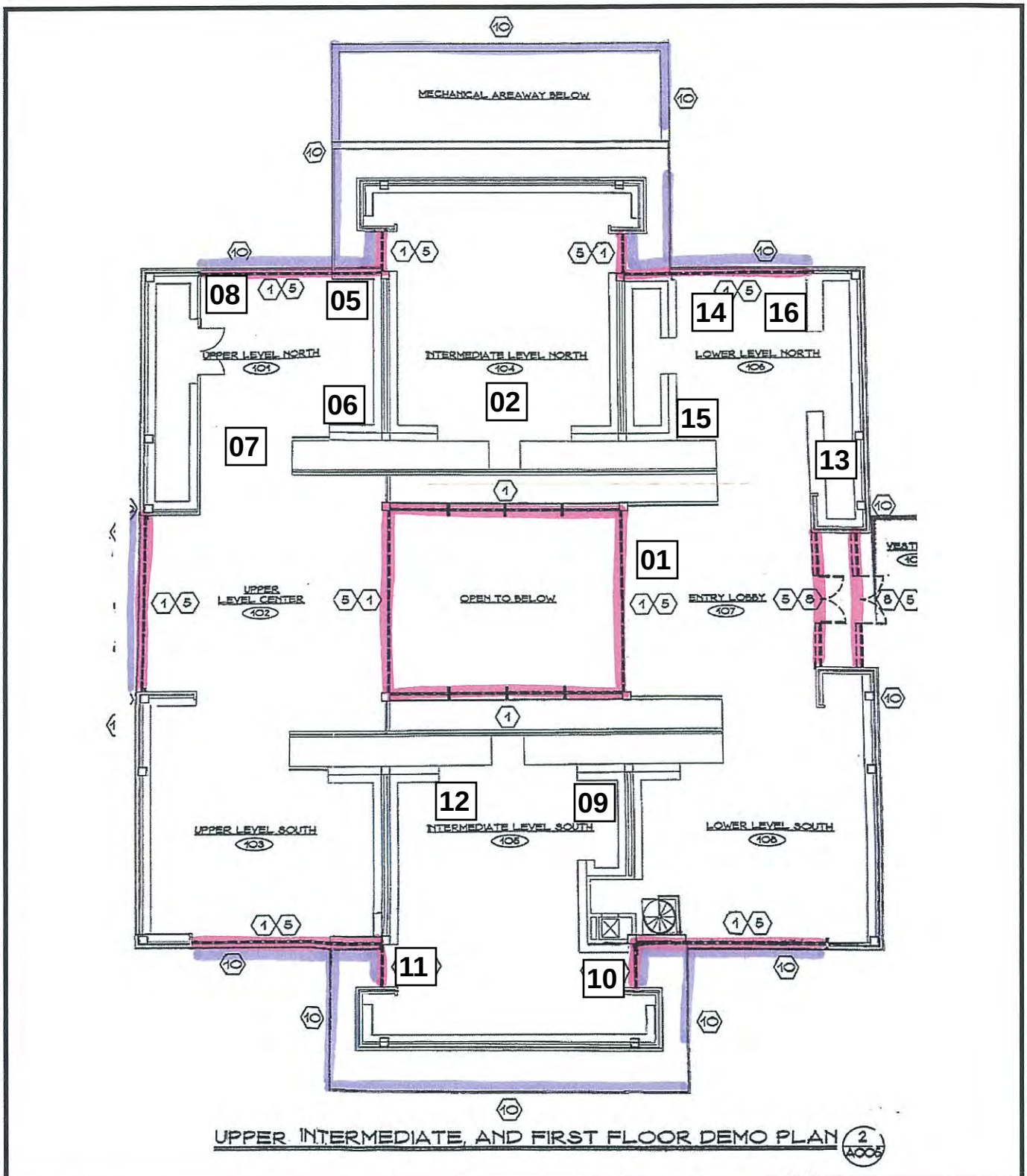

Figure 2-2 Indoor Settled Dust Wipe Sample Locations
Day 1 Indoor Settled Dust Sampling Event

28 Indoor Wipe Sample Location and Identifier

Boundary of Target Sample Location

FUSS & O'NEILL
EnviroScience, LLC

Appendix F

Indoor Air Sampling Laboratory Results for Pilot Isolation Study November 2016

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

November 29, 2016

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: Suffield Library-Indoor Air
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 16K0846

Enclosed are results of analyses for samples received by the laboratory on November 15, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

Table of Contents

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 11/29/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16K0846

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Suffield Library-Indoor Air

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
KPL-022	16K0846-01	Indoor air		TO-10A/EPA 680 Modified	
KPL-023	16K0846-02	Indoor air		TO-10A/EPA 680 Modified	
KPL-024	16K0846-03	Indoor air		TO-10A/EPA 680 Modified	
KPL-025	16K0846-04	Indoor air		TO-10A/EPA 680 Modified	
KPL-026	16K0846-05	Indoor air		TO-10A/EPA 680 Modified	
KPL-027	16K0846-06	Indoor air		TO-10A/EPA 680 Modified	
KPL-028	16K0846-07	Indoor air		TO-10A/EPA 680 Modified	

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 11-29-16: The report has been revised to include the air volumes provided by the client on 11-29-16.

TO-10A/EPA 680 Modified

Qualifications:

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

16K0846-01[KPL-022], 16K0846-02[KPL-023], 16K0846-03[KPL-024], 16K0846-04[KPL-025], 16K0846-05[KPL-026], 16K0846-06[KPL-027], 16K0846-07[KPL-028], B163923-BLK1, B163923-BS1, B163923-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-022
Sample ID: 16K0846-01
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:39

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 0

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010				1	11/23/16 14:48	CJM
Dichlorobiphenyls	ND	0.0010				1	11/23/16 14:48	CJM
Trichlorobiphenyls	ND	0.0010				1	11/23/16 14:48	CJM
Tetrachlorobiphenyls	ND	0.0020				1	11/23/16 14:48	CJM
Pentachlorobiphenyls	ND	0.0020				1	11/23/16 14:48	CJM
Hexachlorobiphenyls	ND	0.0020				1	11/23/16 14:48	CJM
Heptachlorobiphenyls	ND	0.0030				1	11/23/16 14:48	CJM
Octachlorobiphenyls	ND	0.0030				1	11/23/16 14:48	CJM
Nonachlorobiphenyls	ND	0.0050				1	11/23/16 14:48	CJM
Decachlorobiphenyl	ND	0.0050	V-05			1	11/23/16 14:48	CJM
Total Polychlorinated biphenyls	0.0					1	11/23/16 14:48	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	97.8	50-125	11/23/16 14:48

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ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-023
Sample ID: 16K0846-02
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:44

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1275

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00078	1	11/23/16 15:26	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/23/16 15:26	CJM
Trichlorobiphenyls	0.0054	0.0010		0.0042	0.00078	1	11/23/16 15:26	CJM
Tetrachlorobiphenyls	0.16	0.0020		0.13	0.0016	1	11/23/16 15:26	CJM
Pentachlorobiphenyls	0.20	0.0020		0.16	0.0016	1	11/23/16 15:26	CJM
Hexachlorobiphenyls	0.020	0.0020		0.016	0.0016	1	11/23/16 15:26	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 15:26	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 15:26	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/23/16 15:26	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.0039	1	11/23/16 15:26	CJM
Total Polychlorinated biphenyls	0.38			0.30		1	11/23/16 15:26	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	80.4	50-125	11/23/16 15:26

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ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-024
Sample ID: 16K0846-03
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:41

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1248

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 16:03	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 16:03	CJM
Trichlorobiphenyls	0.010	0.0010		0.008	0.0008	1	11/23/16 16:03	CJM
Tetrachlorobiphenyls	0.18	0.0020		0.14	0.0016	1	11/23/16 16:03	CJM
Pentachlorobiphenyls	0.22	0.0020		0.18	0.0016	1	11/23/16 16:03	CJM
Hexachlorobiphenyls	0.021	0.0020		0.017	0.0016	1	11/23/16 16:03	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 16:03	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 16:03	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/23/16 16:03	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.004	1	11/23/16 16:03	CJM
Total Polychlorinated biphenyls	0.43			0.34		1	11/23/16 16:03	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.1	50-125	11/23/16 16:03

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ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-025
Sample ID: 16K0846-04
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:53

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1287

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00078	1	11/23/16 16:41	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/23/16 16:41	CJM
Trichlorobiphenyls	0.0069	0.0010		0.0053	0.00078	1	11/23/16 16:41	CJM
Tetrachlorobiphenyls	0.18	0.0020		0.14	0.0016	1	11/23/16 16:41	CJM
Pentachlorobiphenyls	0.21	0.0020		0.16	0.0016	1	11/23/16 16:41	CJM
Hexachlorobiphenyls	0.021	0.0020		0.016	0.0016	1	11/23/16 16:41	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/23/16 16:41	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/23/16 16:41	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/23/16 16:41	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.0039	1	11/23/16 16:41	CJM
Total Polychlorinated biphenyls	0.41			0.32		1	11/23/16 16:41	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	92.9	50-125	11/23/16 16:41

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ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-026
Sample ID: 16K0846-05
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:48

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1256

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:18	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:18	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:18	CJM
Tetrachlorobiphenyls	0.023	0.0020		0.018	0.0016	1	11/23/16 17:18	CJM
Pentachlorobiphenyls	0.025	0.0020		0.020	0.0016	1	11/23/16 17:18	CJM
Hexachlorobiphenyls	0.0029	0.0020		0.0023	0.0016	1	11/23/16 17:18	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 17:18	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 17:18	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/23/16 17:18	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.004	1	11/23/16 17:18	CJM
Total Polychlorinated biphenyls	0.051			0.041		1	11/23/16 17:18	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	93.7	50-125	11/23/16 17:18

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ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-027
Sample ID: 16K0846-06
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:46

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1244

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:56	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:56	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 17:56	CJM
Tetrachlorobiphenyls	0.029	0.0020		0.023	0.0016	1	11/23/16 17:56	CJM
Pentachlorobiphenyls	0.025	0.0020		0.020	0.0016	1	11/23/16 17:56	CJM
Hexachlorobiphenyls	0.0022	0.0020		0.0018	0.0016	1	11/23/16 17:56	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 17:56	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 17:56	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/23/16 17:56	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.004	1	11/23/16 17:56	CJM
Total Polychlorinated biphenyls	0.056			0.045		1	11/23/16 17:56	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.7	50-125	11/23/16 17:56

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Suffield Library-Indoor Air
Date Received: 11/15/2016
Field Sample #: KPL-028
Sample ID: 16K0846-07
Sample Matrix: Indoor air
Sampled: 11/14/2016 18:51

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1252

Work Order: 16K0846

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 18:33	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/23/16 18:33	CJM
Trichlorobiphenyls	0.0040	0.0010		0.0032	0.0008	1	11/23/16 18:33	CJM
Tetrachlorobiphenyls	0.11	0.0020		0.084	0.0016	1	11/23/16 18:33	CJM
Pentachlorobiphenyls	0.14	0.0020		0.11	0.0016	1	11/23/16 18:33	CJM
Hexachlorobiphenyls	0.016	0.0020		0.012	0.0016	1	11/23/16 18:33	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 18:33	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/23/16 18:33	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/23/16 18:33	CJM
Decachlorobiphenyl	ND	0.0050	V-05	ND	0.004	1	11/23/16 18:33	CJM
Total Polychlorinated biphenyls	0.27			0.21		1	11/23/16 18:33	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	79.6	50-125	11/23/16 18:33

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
16K0846-01 [KPL-022]	B163923	1.00	1.00	11/21/16
16K0846-02 [KPL-023]	B163923	1.00	1.00	11/21/16
16K0846-03 [KPL-024]	B163923	1.00	1.00	11/21/16
16K0846-04 [KPL-025]	B163923	1.00	1.00	11/21/16
16K0846-05 [KPL-026]	B163923	1.00	1.00	11/21/16
16K0846-06 [KPL-027]	B163923	1.00	1.00	11/21/16
16K0846-07 [KPL-028]	B163923	1.00	1.00	11/21/16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B163923 - SW-846 3540C											
Blank (B163923-BLK1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									V-05
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.182*				*0.200*		*90.9*	*50-125*			
LCS (B163923-BS1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	0.18	0.0010			0.200		91.9	40-140			
Dichlorobiphenyls	0.17	0.0010			0.200		82.9	40-140			
Trichlorobiphenyls	0.16	0.0010			0.200		82.0	40-140			
Tetrachlorobiphenyls	0.35	0.0020			0.400		87.7	40-140			
Pentachlorobiphenyls	0.41	0.0020			0.400		104	40-140			
Hexachlorobiphenyls	0.36	0.0020			0.400		89.3	40-140			
Heptachlorobiphenyls	0.54	0.0030			0.600		89.9	40-140			
Octachlorobiphenyls	0.56	0.0030			0.600		93.7	40-140			
Nonachlorobiphenyls	0.80	0.0050			1.00		80.1	40-140			
Decachlorobiphenyl	0.65	0.0050			1.00		65.2	40-140			V-05
Surrogate: Tetrachloro-m-xylene	*0.191*				*0.200*		*95.5*	*50-125*			
LCS Dup (B163923-BSD1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	0.19	0.0010			0.200		94.8	40-140	3.11	50	
Dichlorobiphenyls	0.18	0.0010			0.200		89.8	40-140	7.92	50	
Trichlorobiphenyls	0.18	0.0010			0.200		90.6	40-140	9.91	50	
Tetrachlorobiphenyls	0.39	0.0020			0.400		96.5	40-140	9.55	50	
Pentachlorobiphenyls	0.46	0.0020			0.400		114	40-140	9.56	50	
Hexachlorobiphenyls	0.39	0.0020			0.400		98.7	40-140	10.0	50	
Heptachlorobiphenyls	0.59	0.0030			0.600		98.8	40-140	9.40	50	
Octachlorobiphenyls	0.62	0.0030			0.600		103	40-140	9.35	50	
Nonachlorobiphenyls	0.87	0.0050			1.00		86.8	40-140	8.12	50	
Decachlorobiphenyl	0.70	0.0050			1.00		69.8	40-140	6.80	50	V-05
Surrogate: Tetrachloro-m-xylene	*0.189*				*0.200*		*94.5*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
TO-10A/EPA 680 Modified in Air	
Total Polychlorinated biphenyls	AIHA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

CHAIN OF CUSTODY RECORD

16K0846

Rev 04.05.12

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Company Name: Fuss & O'Neill
Telephone:
Address: 146 Hartford Rd Manchester, CT
Project # 20151259.A2E
Client PO#
Attention: R. May, K. Rinard
Project Location: Suffield Library - Indoor Arts
Sampled By: K. Rinard

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #
Email: on file
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers (TPH-10A PCBs)	** Preservation	***Container Code
01	KPL-022	1315	1839			AVF		X		
02	023	1317	1844					X		
03	024	1321	1841					X		
04	025	1323	1853					X		
05	KPL-026	1326	1848			AVF		X		
06	027	1327	1846					X		
07	028	1330	1851					X		

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments: CONTACT: R. MAY for applicable RL's. Thanks

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	11/15/16 1500
Received by: (signature)	Date/Time:
	11/15/16 1500
Relinquished by: (signature)	Date/Time:
	11/15/16 15:45
Received by: (signature) 4.3°C	Date/Time:
	11/15/16 1545

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
(*) SEE COMMENTS
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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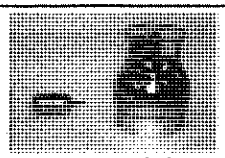

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AIR Only Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME Foss & O'Neill RECEIVED BY: BLF DATE: 11/15/10

1) Was the chain(s) of custody relinquished and signed? Yes X No ____

2) Does the chain agree with the samples? Yes X No ____
If not, explain:

3) Are all the samples in good condition? Yes X No ____
If not, explain:

4) Are there any samples "On Hold"? Yes ____ No X Stored where: ____

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes ____ No X
Who was notified ____ Date ____ Time ____

6) Location where samples are stored: walkin

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

7) Number of cans Individually Certified or Batch Certified? none

Containers received at Con-Test

		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)			
Tedlar Bags			
TO-17 Tubes			
Regulators			
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009)			
(TO-4A/ TO-10A/TO-13) PUFs		7	low volume
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

1101116-01 1101116-03 1101116-05 1101116-08
1101116-02 1101116-04 1101116-09

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	T	

Who notified of False statements? **Date/Time:**

Doc #278 Rev. 5 October 2014 **Log-In Technician Initials:** **Date/Time:**

RLF 11/15/16 1945

Steven Case

From: Robert May [RMay@fando.com]
Sent: Wednesday, November 16, 2016 9:39 AM
To: Steven Case
Subject: RE: RL's for TO-10A PCB

We are looking for homologs. Want a reporting limit of between 0.001 - 0.005ug/m3. Should be possible with the volumes at or above 1000 liters.

Robert L. May, Jr.
President
Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040
860.646.2469 x4701 | rmay@fando.com | cell: 617.778.3768
www.fando.com | twitter | facebook | linkedin

From: Steven Case [mailto:steven.case@contestlabs.com]
Sent: Wednesday, November 16, 2016 8:57 AM
To: Robert May
Subject: RL's for TO-10A PCB

Hi Bob,

COC says to contact you for RL's , please let me know what you would like.

Also the chain notes TO-10A PCB's , did you want the Aroclor's reported or the Homologs? I have attached both methods information.

Thank you,

Steven Case
Project Manager
Con-Test Analytical Laboratory
39 Spruce Street, East Longmeadow, MA 01028
Phone: (413) 525-2332 | Email: steven.case@contestlabs.com

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

PCBs in Air (TO-10A) Chain of Custody Form

Sheet __1__ of __1__

Project Name: Kent Memorial Library Suffield, CT Project No. 20151259.A2E Date: 11/14/2016

Site Address: 50 North Main Street Suffield, CT Building Name/Number: Kent Memorial Library Project Manager: R May

Sample ID	Sample Location	Flow Rate (LPM)(1)			Time		Total Time (Min)	Total Volume (Liters)	Ave Temp (ºF)
		Start	End	Ave	Start	End			
KPL-022	Field Blank	n/a	n/a	n/a	13:15	18:39	324		69
KPL-023	Lower Level North – Ambient	3.9	3.9	3.9	13:17	18:44	327	1275	69
KPL-024	Intermediate Level South – Ambient	3.9	3.9	3.9	13:21	18:41	320	1248	69
KPL-025	Upper Level North – Ambient	3.9	3.9	3.9	13:23	18:53	330	1287	69
KPL-026	Upper Lobby – Ambient	3.9	3.9	3.9	13:26	18:48	322	1256	69
KPL-027	Multipurpose Room – Ambient	3.9	3.9	3.9	13:27	18:46	319	1244	69
KPL-028	Auditorium – Ambient	3.9	3.9	3.9	13:30	18:51	321	1252	69

Analysis Method: TO-10 A **PCB Homologs** Laboratory: Avg Barometric Pressure (in HG): 29.925 Avg Ambient Temp (ºF): 68

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

E-Mail PDF of Results to RMay@fando.com **AND** KRinard@fando.com

Turnaround Time: 7 days
(72-Hour is Fastest Possible)

Special Instruction/Comments: Indoor Air Samples collected with PUF cartridges.

Samples Collected By: K Rinard / P Bateman **Contact Info:** **Date:** **Time:**

Relinquished [By][To] [ ][ ] Date: Time:

Relinquished [By][To] [ ][ ] Date: Time:

Relinquished [By][To] [ ][ ] Date: Time:

(1) Adjusted flow rates measured with low-flow rotameter F&O # 101839, calibrated 2/11/2016. Calibration unit (Gillian Challenger) delivered by US Environmental malfunctioning at time of sampling event.

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November 30, 2016

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: Kent Public Library
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 16K1056

Enclosed are results of analyses for samples received by the laboratory on November 17, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Steven M. Case
Project Manager

Table of Contents

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 11/30/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16K1056

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Public Library

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
KPL-029	16K1056-01	Indoor air	ceiling	TO-10A/EPA 680 Modified	
KPL-030	16K1056-02	Indoor air	floor	TO-10A/EPA 680 Modified	
KPL-031	16K1056-03	Indoor air	amb	TO-10A/EPA 680 Modified	
KPL-032	16K1056-04	Indoor air	e. wall	TO-10A/EPA 680 Modified	
KPL-033	16K1056-05	Indoor air	s. wall	TO-10A/EPA 680 Modified	
KPL-034	16K1056-06	Indoor air	w. wall	TO-10A/EPA 680 Modified	
KPL-035	16K1056-07	Indoor air	floor	TO-10A/EPA 680 Modified	
KPL-036	16K1056-08	Indoor air	amb	TO-10A/EPA 680 Modified	
KPL-037	16K1056-09	Indoor air	ceiling	TO-10A/EPA 680 Modified	
KPL-038	16K1056-10	Indoor air	e. wall	TO-10A/EPA 680 Modified	
KPL-039	16K1056-11	Indoor air	amb-audit	TO-10A/EPA 680 Modified	
KPL-040	16K1056-12	Indoor air	FA vent	TO-10A/EPA 680 Modified	
KPL-041	16K1056-13	Indoor air	n. wall	TO-10A/EPA 680 Modified	
KPL-042	16K1056-14	Indoor air	celing	TO-10A/EPA 680 Modified	
KPL-043	16K1056-15	Indoor air	s. wall	TO-10A/EPA 680 Modified	
KPL-044	16K1056-16	Indoor air	floor	TO-10A/EPA 680 Modified	
KPL-045	16K1056-17	Indoor air	amb	TO-10A/EPA 680 Modified	
KPL-046	16K1056-18	Indoor air	blank	TO-10A/EPA 680 Modified	
KPL-047	16K1056-19	Indoor air	lobby-amb	TO-10A/EPA 680 Modified	
KPL-048	16K1056-20	Indoor air	wall	TO-10A/EPA 680 Modified	
KPL-049	16K1056-21	Indoor air	ceiling	TO-10A/EPA 680 Modified	
KPL-050 DUPL	16K1056-22	Indoor air	ceiling	TO-10A/EPA 680 Modified	
KPL-051	16K1056-23	Indoor air	amb	TO-10A/EPA 680 Modified	
KPL-052	16K1056-24	Indoor air	floor	TO-10A/EPA 680 Modified	

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Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 11/30/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16K1056

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Public Library

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
KPL-053	16K1056-25	Indoor air	wall	TO-10A/EPA 680 Modified	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

TO-10A/EPA 680 Modified

Qualifications:

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

B163923-BLK1, B163923-BS1, B163923-BSD1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Monochlorobiphenyls

B164061-BS1, B164061-BSD1

Octachlorobiphenyls

B164061-BS1, B164061-BSD1

Pentachlorobiphenyls

16K1056-05[KPL-033], 16K1056-06[KPL-034], 16K1056-07[KPL-035], 16K1056-08[KPL-036], 16K1056-09[KPL-037], 16K1056-10[KPL-038], 16K1056-11[KPL-039], 16K1056-12[KPL-040], 16K1056-13[KPL-041], 16K1056-14[KPL-042], 16K1056-15[KPL-043], 16K1056-16[KPL-044], 16K1056-17[KPL-045], 16K1056-19[KPL-047]

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Monochlorobiphenyls

16K1056-01[KPL-029], 16K1056-02[KPL-030], 16K1056-03[KPL-031], 16K1056-04[KPL-032], 16K1056-05[KPL-033], 16K1056-06[KPL-034], 16K1056-07[KPL-035], 16K1056-08[KPL-036], 16K1056-09[KPL-037], 16K1056-10[KPL-038], 16K1056-11[KPL-039], 16K1056-12[KPL-040], 16K1056-13[KPL-041], 16K1056-14[KPL-042], 16K1056-15[KPL-043], 16K1056-16[KPL-044], 16K1056-17[KPL-045], 16K1056-18[KPL-046], 16K1056-19[KPL-047], 16K1056-20[KPL-048], 16K1056-21[KPL-049], 16K1056-22[KPL-050 DUPL], 16K1056-23[KPL-051], 16K1056-24[KPL-052], 16K1056-25[KPL-053]

Octachlorobiphenyls

16K1056-01[KPL-029], 16K1056-02[KPL-030], 16K1056-03[KPL-031], 16K1056-04[KPL-032], 16K1056-20[KPL-048], 16K1056-21[KPL-049], 16K1056-22[KPL-050 DUPL], 16K1056-23[KPL-051], 16K1056-24[KPL-052], 16K1056-25[KPL-053]

Pentachlorobiphenyls

16K1056-18[KPL-046]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-029
Sample ID: 16K1056-01
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:42

Sample Description/Location: ceiling
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1278

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00078	1	11/29/16 19:55	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/29/16 19:55	CJM
Trichlorobiphenyls	0.0018	0.0010		0.0014	0.00078	1	11/29/16 19:55	CJM
Tetrachlorobiphenyls	0.084	0.0020		0.065	0.0016	1	11/29/16 19:55	CJM
Pentachlorobiphenyls	0.098	0.0020		0.077	0.0016	1	11/29/16 19:55	CJM
Hexachlorobiphenyls	0.0098	0.0020		0.0077	0.0016	1	11/29/16 19:55	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 19:55	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 19:55	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 19:55	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 19:55	CJM
Total Polychlorinated biphenyls	0.19			0.15		1	11/29/16 19:55	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	89.9	50-125	11/29/16 19:55

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-030
Sample ID: 16K1056-02
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:43

Sample Description/Location: floor
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1270

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00079	1	11/29/16 20:33	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00079	1	11/29/16 20:33	CJM
Trichlorobiphenyls	0.0018	0.0010		0.0014	0.00079	1	11/29/16 20:33	CJM
Tetrachlorobiphenyls	0.066	0.0020		0.052	0.0016	1	11/29/16 20:33	CJM
Pentachlorobiphenyls	0.052	0.0020		0.041	0.0016	1	11/29/16 20:33	CJM
Hexachlorobiphenyls	0.0064	0.0020		0.005	0.0016	1	11/29/16 20:33	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 20:33	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0024	1	11/29/16 20:33	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 20:33	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 20:33	CJM
Total Polychlorinated biphenyls	0.13			0.099		1	11/29/16 20:33	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	94.5	50-125	11/29/16 20:33

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-031
Sample ID: 16K1056-03
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:44

Sample Description/Location: amb
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1333

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00075	1	11/29/16 21:10	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00075	1	11/29/16 21:10	CJM
Trichlorobiphenyls	0.0022	0.0010		0.0016	0.00075	1	11/29/16 21:10	CJM
Tetrachlorobiphenyls	0.098	0.0020		0.073	0.0015	1	11/29/16 21:10	CJM
Pentachlorobiphenyls	0.13	0.0020		0.096	0.0015	1	11/29/16 21:10	CJM
Hexachlorobiphenyls	0.013	0.0020		0.0099	0.0015	1	11/29/16 21:10	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 21:10	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 21:10	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	11/29/16 21:10	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	11/29/16 21:10	CJM
Total Polychlorinated biphenyls	0.24			0.18		1	11/29/16 21:10	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	100	50-125	11/29/16 21:10

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-032
Sample ID: 16K1056-04
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:45

Sample Description/Location: e. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1505

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00066	1	11/29/16 21:48	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00066	1	11/29/16 21:48	CJM
Trichlorobiphenyls	0.0043	0.0010		0.0028	0.00066	1	11/29/16 21:48	CJM
Tetrachlorobiphenyls	0.13	0.0020		0.083	0.0013	1	11/29/16 21:48	CJM
Pentachlorobiphenyls	0.16	0.0020		0.11	0.0013	1	11/29/16 21:48	CJM
Hexachlorobiphenyls	0.016	0.0020		0.010	0.0013	1	11/29/16 21:48	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.002	1	11/29/16 21:48	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.002	1	11/29/16 21:48	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0033	1	11/29/16 21:48	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0033	1	11/29/16 21:48	CJM
Total Polychlorinated biphenyls	0.31			0.20		1	11/29/16 21:48	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	94.2	50-125	11/29/16 21:48

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-033
Sample ID: 16K1056-05
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:26

Sample Description/Location: s. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1237

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00081	1	11/28/16 23:17	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00081	1	11/28/16 23:17	CJM
Trichlorobiphenyls	0.0034	0.0010		0.0027	0.00081	1	11/28/16 23:17	CJM
Tetrachlorobiphenyls	0.098	0.0020		0.079	0.0016	1	11/28/16 23:17	CJM
Pentachlorobiphenyls	0.12	0.0020	V-06	0.100	0.0016	1	11/28/16 23:17	CJM
Hexachlorobiphenyls	0.012	0.0020		0.0099	0.0016	1	11/28/16 23:17	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/28/16 23:17	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/28/16 23:17	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/28/16 23:17	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	11/28/16 23:17	CJM
Total Polychlorinated biphenyls	0.24			0.19		1	11/28/16 23:17	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	85.2	50-125	11/28/16 23:17

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-034
Sample ID: 16K1056-06
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:50

Sample Description/Location: w. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1353

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00074	1	11/28/16 23:54	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00074	1	11/28/16 23:54	CJM
Trichlorobiphenyls	0.0053	0.0010		0.0039	0.00074	1	11/28/16 23:54	CJM
Tetrachlorobiphenyls	0.088	0.0020		0.065	0.0015	1	11/28/16 23:54	CJM
Pentachlorobiphenyls	0.11	0.0020	V-06	0.081	0.0015	1	11/28/16 23:54	CJM
Hexachlorobiphenyls	0.0097	0.0020		0.0071	0.0015	1	11/28/16 23:54	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/28/16 23:54	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/28/16 23:54	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	11/28/16 23:54	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	11/28/16 23:54	CJM
Total Polychlorinated biphenyls	0.21			0.16		1	11/28/16 23:54	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	73.5	50-125	11/28/16 23:54

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-035
Sample ID: 16K1056-07
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:54

Sample Description/Location: floor
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1292

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00077	1	11/29/16 0:32	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00077	1	11/29/16 0:32	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00077	1	11/29/16 0:32	CJM
Tetrachlorobiphenyls	0.0071	0.0020		0.0055	0.0015	1	11/29/16 0:32	CJM
Pentachlorobiphenyls	0.0077	0.0020	V-06	0.006	0.0015	1	11/29/16 0:32	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	11/29/16 0:32	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 0:32	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 0:32	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 0:32	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 0:32	CJM
Total Polychlorinated biphenyls	0.015			0.011		1	11/29/16 0:32	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	65.2	50-125	11/29/16 0:32

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-036
Sample ID: 16K1056-08
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:54

Sample Description/Location: amb
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1340

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00075	1	11/29/16 1:09	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00075	1	11/29/16 1:09	CJM
Trichlorobiphenyls	0.0033	0.0010		0.0025	0.00075	1	11/29/16 1:09	CJM
Tetrachlorobiphenyls	0.093	0.0020		0.070	0.0015	1	11/29/16 1:09	CJM
Pentachlorobiphenyls	0.12	0.0020	V-06	0.088	0.0015	1	11/29/16 1:09	CJM
Hexachlorobiphenyls	0.012	0.0020		0.0086	0.0015	1	11/29/16 1:09	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 1:09	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 1:09	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	11/29/16 1:09	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	11/29/16 1:09	CJM
Total Polychlorinated biphenyls	0.23			0.17		1	11/29/16 1:09	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.6	50-125	11/29/16 1:09

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-037
Sample ID: 16K1056-09
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:55

Sample Description/Location: ceiling
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1381

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00072	1	11/29/16 1:47	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00072	1	11/29/16 1:47	CJM
Trichlorobiphenyls	0.0058	0.0010		0.0042	0.00072	1	11/29/16 1:47	CJM
Tetrachlorobiphenyls	0.12	0.0020		0.083	0.0014	1	11/29/16 1:47	CJM
Pentachlorobiphenyls	0.086	0.0020	V-06	0.062	0.0014	1	11/29/16 1:47	CJM
Hexachlorobiphenyls	0.0098	0.0020		0.0071	0.0014	1	11/29/16 1:47	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 1:47	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 1:47	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0036	1	11/29/16 1:47	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0036	1	11/29/16 1:47	CJM
Total Polychlorinated biphenyls	0.22			0.16		1	11/29/16 1:47	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.3	50-125	11/29/16 1:47

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-038
Sample ID: 16K1056-10
Sample Matrix: Indoor air
Sampled: 11/17/2016 18:56

Sample Description/Location: e. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1356

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00074	1	11/29/16 2:24	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00074	1	11/29/16 2:24	CJM
Trichlorobiphenyls	0.0036	0.0010		0.0027	0.00074	1	11/29/16 2:24	CJM
Tetrachlorobiphenyls	0.080	0.0020		0.059	0.0015	1	11/29/16 2:24	CJM
Pentachlorobiphenyls	0.10	0.0020	V-06	0.074	0.0015	1	11/29/16 2:24	CJM
Hexachlorobiphenyls	0.0096	0.0020		0.0071	0.0015	1	11/29/16 2:24	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 2:24	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 2:24	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	11/29/16 2:24	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	11/29/16 2:24	CJM
Total Polychlorinated biphenyls	0.19			0.14		1	11/29/16 2:24	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	66.8	50-125	11/29/16 2:24

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-039
Sample ID: 16K1056-11
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:26

Sample Description/Location: amb-audit
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1573

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00064	1	11/29/16 3:02	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00064	1	11/29/16 3:02	CJM
Trichlorobiphenyls	0.0054	0.0010		0.0035	0.00064	1	11/29/16 3:02	CJM
Tetrachlorobiphenyls	0.18	0.0020		0.11	0.0013	1	11/29/16 3:02	CJM
Pentachlorobiphenyls	0.24	0.0020	V-06	0.15	0.0013	1	11/29/16 3:02	CJM
Hexachlorobiphenyls	0.027	0.0020		0.017	0.0013	1	11/29/16 3:02	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/29/16 3:02	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/29/16 3:02	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0032	1	11/29/16 3:02	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0032	1	11/29/16 3:02	CJM
Total Polychlorinated biphenyls	0.45			0.28		1	11/29/16 3:02	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	73.4	50-125	11/29/16 3:02

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-040
Sample ID: 16K1056-12
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:27

Sample Description/Location: FA vent
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1555

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00064	1	11/29/16 3:39	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00064	1	11/29/16 3:39	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00064	1	11/29/16 3:39	CJM
Tetrachlorobiphenyls	0.014	0.0020		0.0093	0.0013	1	11/29/16 3:39	CJM
Pentachlorobiphenyls	0.012	0.0020	V-06	0.0074	0.0013	1	11/29/16 3:39	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0013	1	11/29/16 3:39	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/29/16 3:39	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/29/16 3:39	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0032	1	11/29/16 3:39	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0032	1	11/29/16 3:39	CJM
Total Polychlorinated biphenyls	0.026			0.017		1	11/29/16 3:39	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.1	50-125	11/29/16 3:39

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-041
Sample ID: 16K1056-13
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:01

Sample Description/Location: n. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1250

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.0008	1	11/29/16 4:17	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/29/16 4:17	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.0008	1	11/29/16 4:17	CJM
Tetrachlorobiphenyls	0.033	0.0020		0.026	0.0016	1	11/29/16 4:17	CJM
Pentachlorobiphenyls	0.022	0.0020	V-06	0.017	0.0016	1	11/29/16 4:17	CJM
Hexachlorobiphenyls	0.0021	0.0020		0.0017	0.0016	1	11/29/16 4:17	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 4:17	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 4:17	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/29/16 4:17	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	11/29/16 4:17	CJM
Total Polychlorinated biphenyls	0.057			0.045		1	11/29/16 4:17	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	77.6	50-125	11/29/16 4:17

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-042
Sample ID: 16K1056-14
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:46

Sample Description/Location: celing
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1460

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00068	1	11/29/16 4:54	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00068	1	11/29/16 4:54	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00068	1	11/29/16 4:54	CJM
Tetrachlorobiphenyls	0.11	0.0020		0.073	0.0014	1	11/29/16 4:54	CJM
Pentachlorobiphenyls	0.13	0.0020	V-06	0.088	0.0014	1	11/29/16 4:54	CJM
Hexachlorobiphenyls	0.011	0.0020		0.0079	0.0014	1	11/29/16 4:54	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0021	1	11/29/16 4:54	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0021	1	11/29/16 4:54	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0034	1	11/29/16 4:54	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0034	1	11/29/16 4:54	CJM
Total Polychlorinated biphenyls	0.25			0.17		1	11/29/16 4:54	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	73.2	50-125	11/29/16 4:54

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-043
Sample ID: 16K1056-15
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:03

Sample Description/Location: s. wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1274

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00078	1	11/29/16 5:32	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/29/16 5:32	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/29/16 5:32	CJM
Tetrachlorobiphenyls	0.045	0.0020		0.036	0.0016	1	11/29/16 5:32	CJM
Pentachlorobiphenyls	0.034	0.0020	V-06	0.027	0.0016	1	11/29/16 5:32	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0016	1	11/29/16 5:32	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 5:32	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 5:32	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 5:32	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 5:32	CJM
Total Polychlorinated biphenyls	0.080			0.062		1	11/29/16 5:32	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	84.1	50-125	11/29/16 5:32

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-044
Sample ID: 16K1056-16
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:05

Sample Description/Location: floor
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1262

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00079	1	11/29/16 6:09	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00079	1	11/29/16 6:09	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00079	1	11/29/16 6:09	CJM
Tetrachlorobiphenyls	0.059	0.0020		0.047	0.0016	1	11/29/16 6:09	CJM
Pentachlorobiphenyls	0.058	0.0020	V-06	0.046	0.0016	1	11/29/16 6:09	CJM
Hexachlorobiphenyls	0.0030	0.0020		0.0024	0.0016	1	11/29/16 6:09	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 6:09	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 6:09	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.004	1	11/29/16 6:09	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.004	1	11/29/16 6:09	CJM
Total Polychlorinated biphenyls	0.12			0.095		1	11/29/16 6:09	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	83.1	50-125	11/29/16 6:09

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-045
Sample ID: 16K1056-17
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:05

Sample Description/Location: amb
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1270

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00079	1	11/29/16 6:47	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00079	1	11/29/16 6:47	CJM
Trichlorobiphenyls	0.0034	0.0010		0.0026	0.00079	1	11/29/16 6:47	CJM
Tetrachlorobiphenyls	0.097	0.0020		0.077	0.0016	1	11/29/16 6:47	CJM
Pentachlorobiphenyls	0.13	0.0020	V-06	0.10	0.0016	1	11/29/16 6:47	CJM
Hexachlorobiphenyls	0.015	0.0020		0.012	0.0016	1	11/29/16 6:47	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 6:47	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0024	1	11/29/16 6:47	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 6:47	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 6:47	CJM
Total Polychlorinated biphenyls	0.25			0.19		1	11/29/16 6:47	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	82.4	50-125	11/29/16 6:47

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-046
Sample ID: 16K1056-18
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:50

Sample Description/Location: blank
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	1	11/29/16 7:24	CJM
Dichlorobiphenyls	ND	0.0010		1	11/29/16 7:24	CJM
Trichlorobiphenyls	ND	0.0010		1	11/29/16 7:24	CJM
Tetrachlorobiphenyls	ND	0.0020		1	11/29/16 7:24	CJM
Pentachlorobiphenyls	ND	0.0020	V-20	1	11/29/16 7:24	CJM
Hexachlorobiphenyls	ND	0.0020		1	11/29/16 7:24	CJM
Heptachlorobiphenyls	ND	0.0030		1	11/29/16 7:24	CJM
Octachlorobiphenyls	ND	0.0030		1	11/29/16 7:24	CJM
Nonachlorobiphenyls	ND	0.0050		1	11/29/16 7:24	CJM
Decachlorobiphenyl	ND	0.0050		1	11/29/16 7:24	CJM
Total Polychlorinated biphenyls	0.0			1	11/29/16 7:24	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	94.2	50-125	11/29/16 7:24

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-047
Sample ID: 16K1056-19
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:24

Sample Description/Location: lobby-amb
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1521

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00066	1	11/29/16 8:02	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00066	1	11/29/16 8:02	CJM
Trichlorobiphenyls	0.0053	0.0010		0.0035	0.00066	1	11/29/16 8:02	CJM
Tetrachlorobiphenyls	0.18	0.0020		0.12	0.0013	1	11/29/16 8:02	CJM
Pentachlorobiphenyls	0.24	0.0020	V-06	0.16	0.0013	1	11/29/16 8:02	CJM
Hexachlorobiphenyls	0.025	0.0020		0.016	0.0013	1	11/29/16 8:02	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.002	1	11/29/16 8:02	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.002	1	11/29/16 8:02	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0033	1	11/29/16 8:02	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0033	1	11/29/16 8:02	CJM
Total Polychlorinated biphenyls	0.45			0.30		1	11/29/16 8:02	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	88.8	50-125	11/29/16 8:02

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-048
Sample ID: 16K1056-20
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:12

Sample Description/Location: wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1293

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00077	1	11/29/16 11:47	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00077	1	11/29/16 11:47	CJM
Trichlorobiphenyls	0.0052	0.0010		0.004	0.00077	1	11/29/16 11:47	CJM
Tetrachlorobiphenyls	0.14	0.0020		0.11	0.0015	1	11/29/16 11:47	CJM
Pentachlorobiphenyls	0.20	0.0020		0.15	0.0015	1	11/29/16 11:47	CJM
Hexachlorobiphenyls	0.021	0.0020		0.016	0.0015	1	11/29/16 11:47	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 11:47	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 11:47	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 11:47	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 11:47	CJM
Total Polychlorinated biphenyls	0.36			0.28		1	11/29/16 11:47	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.6	50-125	11/29/16 11:47

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-049
Sample ID: 16K1056-21
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:19

Sample Description/Location: ceiling
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1332

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00075	1	11/29/16 14:55	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00075	1	11/29/16 14:55	CJM
Trichlorobiphenyls	0.0039	0.0010		0.0029	0.00075	1	11/29/16 14:55	CJM
Tetrachlorobiphenyls	0.091	0.0020		0.068	0.0015	1	11/29/16 14:55	CJM
Pentachlorobiphenyls	0.050	0.0020		0.038	0.0015	1	11/29/16 14:55	CJM
Hexachlorobiphenyls	0.0044	0.0020		0.0033	0.0015	1	11/29/16 14:55	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 14:55	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 14:55	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	11/29/16 14:55	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	11/29/16 14:55	CJM
Total Polychlorinated biphenyls	0.15			0.11		1	11/29/16 14:55	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	91.7	50-125	11/29/16 14:55

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-050 DUPL
Sample ID: 16K1056-22
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:19

Sample Description/Location: ceiling
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1340

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00075	1	11/29/16 15:32	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00075	1	11/29/16 15:32	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00075	1	11/29/16 15:32	CJM
Tetrachlorobiphenyls	0.058	0.0020		0.043	0.0015	1	11/29/16 15:32	CJM
Pentachlorobiphenyls	0.033	0.0020		0.025	0.0015	1	11/29/16 15:32	CJM
Hexachlorobiphenyls	0.0028	0.0020		0.0021	0.0015	1	11/29/16 15:32	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	11/29/16 15:32	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0022	1	11/29/16 15:32	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	11/29/16 15:32	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	11/29/16 15:32	CJM
Total Polychlorinated biphenyls	0.094			0.070		1	11/29/16 15:32	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	86.0	50-125	11/29/16 15:32

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-051
Sample ID: 16K1056-23
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:15

Sample Description/Location: amb
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1320

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	11/29/16 16:10	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00076	1	11/29/16 16:10	CJM
Trichlorobiphenyls	0.0033	0.0010		0.0025	0.00076	1	11/29/16 16:10	CJM
Tetrachlorobiphenyls	0.12	0.0020		0.088	0.0015	1	11/29/16 16:10	CJM
Pentachlorobiphenyls	0.16	0.0020		0.12	0.0015	1	11/29/16 16:10	CJM
Hexachlorobiphenyls	0.016	0.0020		0.012	0.0015	1	11/29/16 16:10	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 16:10	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 16:10	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	11/29/16 16:10	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	11/29/16 16:10	CJM
Total Polychlorinated biphenyls	0.29			0.22		1	11/29/16 16:10	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	90.5	50-125	11/29/16 16:10

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-052
Sample ID: 16K1056-24
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:18

Sample Description/Location: floor
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1324

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00076	1	11/29/16 16:48	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00076	1	11/29/16 16:48	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00076	1	11/29/16 16:48	CJM
Tetrachlorobiphenyls	0.046	0.0020		0.035	0.0015	1	11/29/16 16:48	CJM
Pentachlorobiphenyls	0.034	0.0020		0.026	0.0015	1	11/29/16 16:48	CJM
Hexachlorobiphenyls	0.0039	0.0020		0.003	0.0015	1	11/29/16 16:48	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 16:48	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 16:48	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	11/29/16 16:48	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	11/29/16 16:48	CJM
Total Polychlorinated biphenyls	0.084			0.063		1	11/29/16 16:48	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	85.4	50-125	11/29/16 16:48

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ANALYTICAL RESULTS

Project Location: Kent Public Library
Date Received: 11/17/2016
Field Sample #: KPL-053
Sample ID: 16K1056-25
Sample Matrix: Indoor air
Sampled: 11/17/2016 19:16

Sample Description/Location: wall
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1288

Work Order: 16K1056

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	V-20	ND	0.00078	1	11/29/16 17:25	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00078	1	11/29/16 17:25	CJM
Trichlorobiphenyls	0.0046	0.0010		0.0035	0.00078	1	11/29/16 17:25	CJM
Tetrachlorobiphenyls	0.12	0.0020		0.095	0.0016	1	11/29/16 17:25	CJM
Pentachlorobiphenyls	0.17	0.0020		0.13	0.0016	1	11/29/16 17:25	CJM
Hexachlorobiphenyls	0.017	0.0020		0.013	0.0016	1	11/29/16 17:25	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	11/29/16 17:25	CJM
Octachlorobiphenyls	ND	0.0030	V-20	ND	0.0023	1	11/29/16 17:25	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0039	1	11/29/16 17:25	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0039	1	11/29/16 17:25	CJM
Total Polychlorinated biphenyls	0.31			0.24		1	11/29/16 17:25	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	83.4	50-125	11/29/16 17:25

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Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
16K1056-21 [KPL-049]	B163923	1.00	1.00	11/21/16
16K1056-22 [KPL-050 DUPL]	B163923	1.00	1.00	11/21/16
16K1056-23 [KPL-051]	B163923	1.00	1.00	11/21/16
16K1056-24 [KPL-052]	B163923	1.00	1.00	11/21/16
16K1056-25 [KPL-053]	B163923	1.00	1.00	11/21/16

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
16K1056-01 [KPL-029]	B164061	1.00	1.00	11/22/16
16K1056-02 [KPL-030]	B164061	1.00	1.00	11/22/16
16K1056-03 [KPL-031]	B164061	1.00	1.00	11/22/16
16K1056-04 [KPL-032]	B164061	1.00	1.00	11/22/16
16K1056-05 [KPL-033]	B164061	1.00	1.00	11/22/16
16K1056-06 [KPL-034]	B164061	1.00	1.00	11/22/16
16K1056-07 [KPL-035]	B164061	1.00	1.00	11/22/16
16K1056-08 [KPL-036]	B164061	1.00	1.00	11/22/16
16K1056-09 [KPL-037]	B164061	1.00	1.00	11/22/16
16K1056-10 [KPL-038]	B164061	1.00	1.00	11/22/16
16K1056-11 [KPL-039]	B164061	1.00	1.00	11/22/16
16K1056-12 [KPL-040]	B164061	1.00	1.00	11/22/16
16K1056-13 [KPL-041]	B164061	1.00	1.00	11/22/16
16K1056-14 [KPL-042]	B164061	1.00	1.00	11/22/16
16K1056-15 [KPL-043]	B164061	1.00	1.00	11/22/16
16K1056-16 [KPL-044]	B164061	1.00	1.00	11/22/16
16K1056-17 [KPL-045]	B164061	1.00	1.00	11/22/16
16K1056-18 [KPL-046]	B164061	1.00	1.00	11/22/16
16K1056-19 [KPL-047]	B164061	1.00	1.00	11/22/16
16K1056-20 [KPL-048]	B164061	1.00	1.00	11/22/16

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B163923 - SW-846 3540C											
Blank (B163923-BLK1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									V-05
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.182*				*0.200*		*90.9*	*50-125*			
LCS (B163923-BS1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	0.18	0.0010			0.200		91.9	40-140			
Dichlorobiphenyls	0.17	0.0010			0.200		82.9	40-140			
Trichlorobiphenyls	0.16	0.0010			0.200		82.0	40-140			
Tetrachlorobiphenyls	0.35	0.0020			0.400		87.7	40-140			
Pentachlorobiphenyls	0.41	0.0020			0.400		104	40-140			
Hexachlorobiphenyls	0.36	0.0020			0.400		89.3	40-140			
Heptachlorobiphenyls	0.54	0.0030			0.600		89.9	40-140			
Octachlorobiphenyls	0.56	0.0030			0.600		93.7	40-140			
Nonachlorobiphenyls	0.80	0.0050			1.00		80.1	40-140			
Decachlorobiphenyl	0.65	0.0050			1.00		65.2	40-140			V-05
Surrogate: Tetrachloro-m-xylene	*0.191*				*0.200*		*95.5*	*50-125*			
LCS Dup (B163923-BSD1)					Prepared: 11/21/16 Analyzed: 11/23/16						
Monochlorobiphenyls	0.19	0.0010			0.200		94.8	40-140	3.11	50	
Dichlorobiphenyls	0.18	0.0010			0.200		89.8	40-140	7.92	50	
Trichlorobiphenyls	0.18	0.0010			0.200		90.6	40-140	9.91	50	
Tetrachlorobiphenyls	0.39	0.0020			0.400		96.5	40-140	9.55	50	
Pentachlorobiphenyls	0.46	0.0020			0.400		114	40-140	9.56	50	
Hexachlorobiphenyls	0.39	0.0020			0.400		98.7	40-140	10.0	50	
Heptachlorobiphenyls	0.59	0.0030			0.600		98.8	40-140	9.40	50	
Octachlorobiphenyls	0.62	0.0030			0.600		103	40-140	9.35	50	
Nonachlorobiphenyls	0.87	0.0050			1.00		86.8	40-140	8.12	50	
Decachlorobiphenyl	0.70	0.0050			1.00		69.8	40-140	6.80	50	V-05
Surrogate: Tetrachloro-m-xylene	*0.189*				*0.200*		*94.5*	*50-125*			

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B164061 - SW-846 3540C											
Blank (B164061-BLK1)					Prepared: 11/22/16 Analyzed: 11/29/16						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.166*				*0.200*		*82.9*	*50-125*			
LCS (B164061-BS1)					Prepared: 11/22/16 Analyzed: 11/29/16						
Monochlorobiphenyls	0.19	0.0010			0.200		97.0	40-140			V-06
Dichlorobiphenyls	0.19	0.0010			0.200		95.9	40-140			
Trichlorobiphenyls	0.19	0.0010			0.200		97.0	40-140			
Tetrachlorobiphenyls	0.42	0.0020			0.400		104	40-140			
Pentachlorobiphenyls	0.48	0.0020			0.400		119	40-140			
Hexachlorobiphenyls	0.42	0.0020			0.400		105	40-140			
Heptachlorobiphenyls	0.62	0.0030			0.600		103	40-140			
Octachlorobiphenyls	0.64	0.0030			0.600		107	40-140			V-06
Nonachlorobiphenyls	0.89	0.0050			1.00		88.5	40-140			
Decachlorobiphenyl	0.71	0.0050			1.00		71.1	40-140			
Surrogate: Tetrachloro-m-xylene	*0.212*				*0.200*		*106*	*50-125*			
LCS Dup (B164061-BSD1)					Prepared: 11/22/16 Analyzed: 11/29/16						
Monochlorobiphenyls	0.20	0.0010			0.200		102	40-140	4.68	50	V-06
Dichlorobiphenyls	0.19	0.0010			0.200		95.0	40-140	0.984	50	
Trichlorobiphenyls	0.19	0.0010			0.200		93.2	40-140	3.92	50	
Tetrachlorobiphenyls	0.40	0.0020			0.400		100	40-140	3.83	50	
Pentachlorobiphenyls	0.45	0.0020			0.400		112	40-140	5.80	50	
Hexachlorobiphenyls	0.40	0.0020			0.400		99.9	40-140	4.83	50	
Heptachlorobiphenyls	0.59	0.0030			0.600		98.3	40-140	4.53	50	
Octachlorobiphenyls	0.62	0.0030			0.600		103	40-140	4.30	50	V-06
Nonachlorobiphenyls	0.86	0.0050			1.00		86.0	40-140	2.88	50	
Decachlorobiphenyl	0.70	0.0050			1.00		69.6	40-140	2.20	50	
Surrogate: Tetrachloro-m-xylene	*0.208*				*0.200*		*104*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
TO-10A/EPA 680 Modified in Air	
Total Polychlorinated biphenyls	AIHA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

1GK10526

CHAIN OF CUSTODY RECORD (AIR)

Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd, Manchester, CT
Phone:	
Project Name:	Kent Public Library
Project Location:	Interior Airs - Day 4
Project Number:	20151259.A20
Project Manager:	R. May
Con-Test Bid:	
Invoice Recipient:	
Sampled By:	Kim Rinard / P. Batema

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Other:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [ ]
Other:
Enhanced Data Package Required: [ ]
Email To: rmay@fuss.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A Homologs				" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Con-Test Work Order#	Client Sample ID / Description	(1) Beginning Date/Time	(1) Ending Date/Time	Total Minutes Sampled	[X] m³/min [X] L/min	Code	[X] Liters [ ] m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	For summa canister and flow controller information please refer to Con-Test's Air Media Agreement
															Summa Can ID	Flow Controller ID
01 DP	KPL-029	1318	1842	324		PUF		X							~~WALL~~	CEIL
02	030	1315	1843	328				X							FLOOR	
03	031	1318	1844	326				X							AMB	
04	032	1314	1845	331				X							E.WALL	
05	KPL-033	1523	1926	243	5.0L	PUF		X							S.WALL	
06 MD	034	1322	1850	328				X							N WALL	
07	035	1331	1854	323				X							FLOOR	
08	036	1322	1854	332				X							AMB	
09	037	1326	1855	329				X							CEIL	

Comments: (1) Collected 11/17/16
(2) RL's provided by R May on Tuesday via email

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:
Kyle Rinard	11/17/16 2055
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other (2)

Special Requirements
[ ] MA MCP Required
[ ] CT RCP Required
[ ] Enhanced Data Package Required

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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16K1056

http://www.contestlabs.com

Doc #378 Rev 0 5/8/15

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	F+O Environ Science
Address:	See pg 1
Phone:	
Project Name:	
Project Location:	
Project Number:	20151279.A20
Project Manager:	B. May
Con-Test Bid:	
Invoice Recipient:	
Sampled By:	Kim Rinard / P. Bateman

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Other:

Rush Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [ ]
Other:
Enhanced Data Package Required: [ ]
Email To:
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A 40hr/168hr				" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	[X] m³/min [X] L/min	Code	[X] Liters [ ] m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	
															For summa canister and flow controller information please refer to Con-Test's Air Media Agreement	
															Summa Can ID	Flow Controller ID
10 MID	KPL-038	1326	1856	330		PVF	X	X							EWALL	
11 (AUD)	-039	1305	1926	381			X	X							AMB-AUDT	
12 (VENT)	040	1302	1927	385				X							FA VENT	
13 BSMT	041	1338	1901	323				X							N. WALL	
14	042	1340	1946	366				X							CEIL	
15	KPL-043	1335	1903	328		PVF		X							S. WALL	
16	044	1344	1905	321				X							FLOOR	
17	045	1342	1905	323				X							AMB	
18	046	~~13:02~~ 13:00	1950	410				X							BLANK	

Comments: (1) Collected 11/17/16

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:
K Rinard	11/17/16 2055
Received by: (signature) 3.7°C	Date/Time:
	11/17/16 2055
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other: (2)

Special Requirements
[ ] MA MCP Required
[ ] CT RCP Required
[ ] Enhanced Data Package Required

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1EK10520

http://www.contestlabs.com

Doc #378 Rev 0 5/8/15

39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (AIR)

Company Name:	K10 Enviro Science
Address:	SEE page 1
Phone:	
Project Name:	
Project Location:	
Project Number:	
Project Manager:	
Con-Test Bid:	
Invoice Recipient:	
Sampled By:	Kim Rinard / P Bateman

Requested Turnaround Time
7-Day ☒ 10-Day ☐
Other:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
Enhanced Data Package Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-10A Homologs				" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☒ L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	For summa canister and flow controller information please refer to Con-Test's Air Media Agreement
															Summa Can ID	Flow Controller ID
19	KPL-047	13:06	1924	378		PUF		X							L0837	AMB-
20	-048	13:50	1912	322				X							WALL	
21	-049	13:47	1919	332				X							CEIL	
22	-050 DUPL	—	1919	332				X							CEIL	
23	KPL -051	13:49	1915	326		PUF		X							AMB	
24	-052	13:54	1918	324				X							FLOOR	
25	-053	13:51	1916	325				X							WALL	

Comments: (1) Collected 11/17/16

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:	**Detection Limit Requirements**	**Special Requirements**
K Rinard	11/17/16 2055	MA	
Received by: (signature) 3.7°C	Date/Time:		☐ MA MCP Required
	11/17/16 2055		
Relinquished by: (signature)	Date/Time:	CT	☐ CT RCP Required
Received by: (signature)	Date/Time:		☐ Enhanced Data Package Required
		Other: (2)	
Relinquished by: (signature)	Date/Time:		
Received by: (signature)	Date/Time:		

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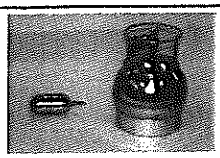

www.contestlabs.com

con-test® ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME Tuss Olwell RECEIVED BY: RLF DATE: 11/7/16

1) Was the chain(s) of custody relinquished and signed? Yes X No ____

2) Does the chain agree with the samples? Yes X No ____
If not, explain:

3) Are all the samples in good condition? Yes X No ____
If not, explain:

4) Are there any samples "On Hold"? Yes ____ No X Stored where: ____

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes ____ No X
Who was notified ____ Date ____ Time ____

6) Location where samples are stored: walkin

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

7) Number of cans Individually Certified or Batch Certified? none

Containers received at Con-Test

	# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)		
Tedlar Bags		
TO-17 Tubes		
Regulators		
Restrictors		
Hg/Hopcalite Tube (NIOSH 6009)		
(TO-4A/TO-10A/TO-13) PUFs	25	low volume
PCB Florisil Tubes (NIOSH 5503)		
Air cassette		
PM 2.5/PM 10		
TO-11A Cartridges		
Other		

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet? 110916 -

Laboratory Comments:															
	-09	-28	-07	-30	-22	-06	-15	-13	-23	-04	-18	-12	-19		
	-08	-01	-21	-25	-24	-10	-14	-11	-27	-16	-05	-03			

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	T	

Who notified of False statements? **Date/Time:**

Doc #278 Rev. 5 October 2014 **Log-In Technician Initials:** **Date/Time:**

RLF 11/17/14 2055

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

PCBs in Air (TO-10A) Chain of Custody Form

Project Name: Kent Memorial Library Suffield, CT Project No. 20151259.A2E Date: 11/17/2016

Site Address: 50 North Main Street Suffield, CT Building Name/Number: Kent Memorial Library Project Manager: R May

Sample ID	Sample Location	Flow Rate (LPM)			Time		Total Time (Min)	Total Volume (Liters)	Ave Temp (ºF)
		Start	End	Ave	Start	End			
KPL-029	Upper Level North – Ceiling	3.911	4.018	3.945	13:18	18:42	324	1278	68
KPL-030	Upper Level North – Floor	3.882	3.861	3.872	13:15	18:43	328	1270	68
KPL-031	Upper Level North – Ambient	4.072	4.016	4.089	13:18	18:44	326	1333	68
KPL-032	Upper Level North – East Wall	4.101	4.991	4.546	13:14	18:45	331	1505	68
KPL-033	Upper Level North – South Wall	5.012	5.165	5.089	15:23	19:26	243	1237	68
KPL-034	Intermediate Level South – West Wall	4.108	4.141	4.125	13:22	18:50	328	1353	68
KPL-035	Intermediate Level South – Floor	3.980	4.022	4.001	13:31	18:54	323	1292	68
KPL-036	Intermediate Level South – Ambient	4.067	4.006	4.037	13:22	18:54	332	1340	68
KPL-037	Intermediate Level South – Ceiling	4.208	4.189	4.199	13:26	18:55	329	1381	68
KPL-038	Intermediate Level South – East Wall	4.083	4.133	4.108	13:26	18:56	330	1356	68
KPL-039	Auditorium – Ambient	4.169	4.086	4.128	13:05	19:26	381	1573	68
KPL-040	Fresh Air Intake Vent – Point of Entry	4.026	4.051	4.039	13:02	19:27	385	1555	68
KPL-041	Multipurpose Room – North Wall	3.857	3.881	3.869	13:38	19:01	323	1250	68
KPL-042	Multipurpose Room – Ceiling	3.959	4.018	3.989	13:40	19:46	366	1460	68
KPL-043	Multipurpose Room – South Wall	4.009	3.966	3.885	13:35	19:03	328	1274	68
KPL-044	Multipurpose Room – Floor	3.981	3.885	3.933	13:44	19:05	321	1262	68
KPL-045	Multipurpose Room – Ambient	3.929	3.937	3.933	13:42	19:05	323	1270	68
KPL-046	Field Blank				13:00	19:50	410	0000	68
KPL-047	Upper Lobby – Ambient	4.029	4.019	4.024	13:06	19:24	378	1521	68
KPL-048	Lower Level North – Wall	4.043	3.985	4.014	13:50	19:12	322	1293	68

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KPL-049	Lower Level North – Ceiling	4.018	4.003	4.011	13:47	19:19	332	1332	68
KPL-050	Lower Level North – Ceiling Duplicate	4.065	4.004	4.035	13:47	19:19	332	1340	68
KPL-051	Lower Level North – Ambient	4.044	4.055	4.05	13:49	19:15	326	1320	68
KPL-052	Lower Level North – Floor	4.103	4.173	4.138	13:54	19:18	324	1324	68
KPL-053	Lower Level North - Wall	3.917	4.008	3.963	13:51	19:16	325	1288	68

Analysis Method: TO-10 A **PCB Homologs** Laboratory: ConTest Analytical Avg Barometric Pressure (in HG): 29.925 Avg Ambient Temp (°F): 68

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

E-Mail PDF of Results to RMay@fando.com **AND** KRinard@fando.com

Turnaround Time: 7 days
(72-Hour is Fastest Possible)

Special Instruction/Comments: Indoor Air Samples collected with PUF cartridges.

Samples Collected By: K Rinard / P Bateman **Contact Info:** _____ **Date:** _____ **Time:** _____

Relinquished [By][To] [_____**][**_____**] Date:** _____ **Time:** _____

Relinquished [By][To] [_____**][**_____**] Date:** _____ **Time:** _____

Relinquished [By][To] [_____**][**_____**] Date:** _____ **Time:** _____

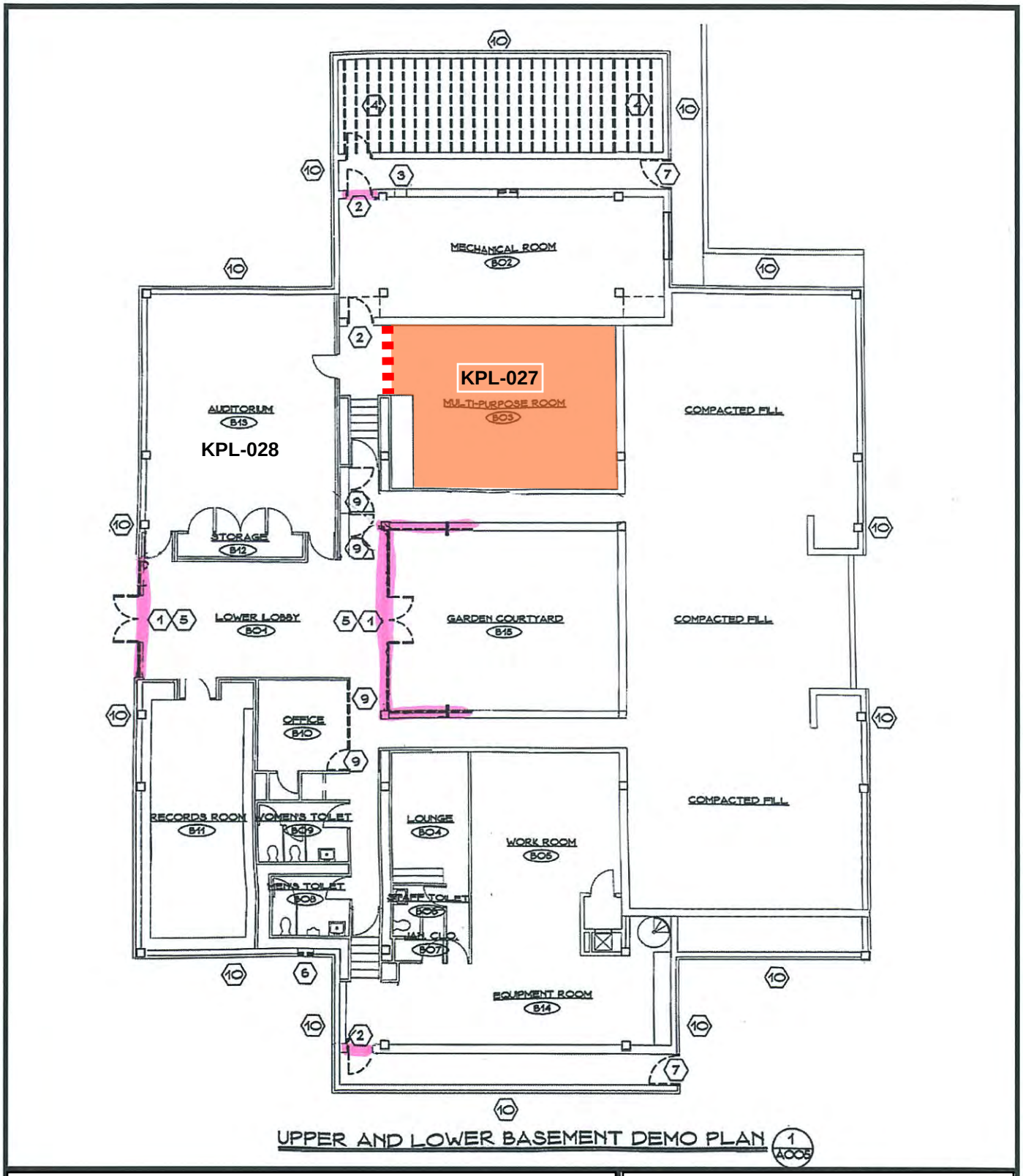

Figure 1-1 Indoor Air Sample Locations
Day 1 Indoor Air Sampling Event

KPL-028 Indoor Air Sample Location and Identifier

Boundary of Target Sample Location

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EnviroScience, LLC

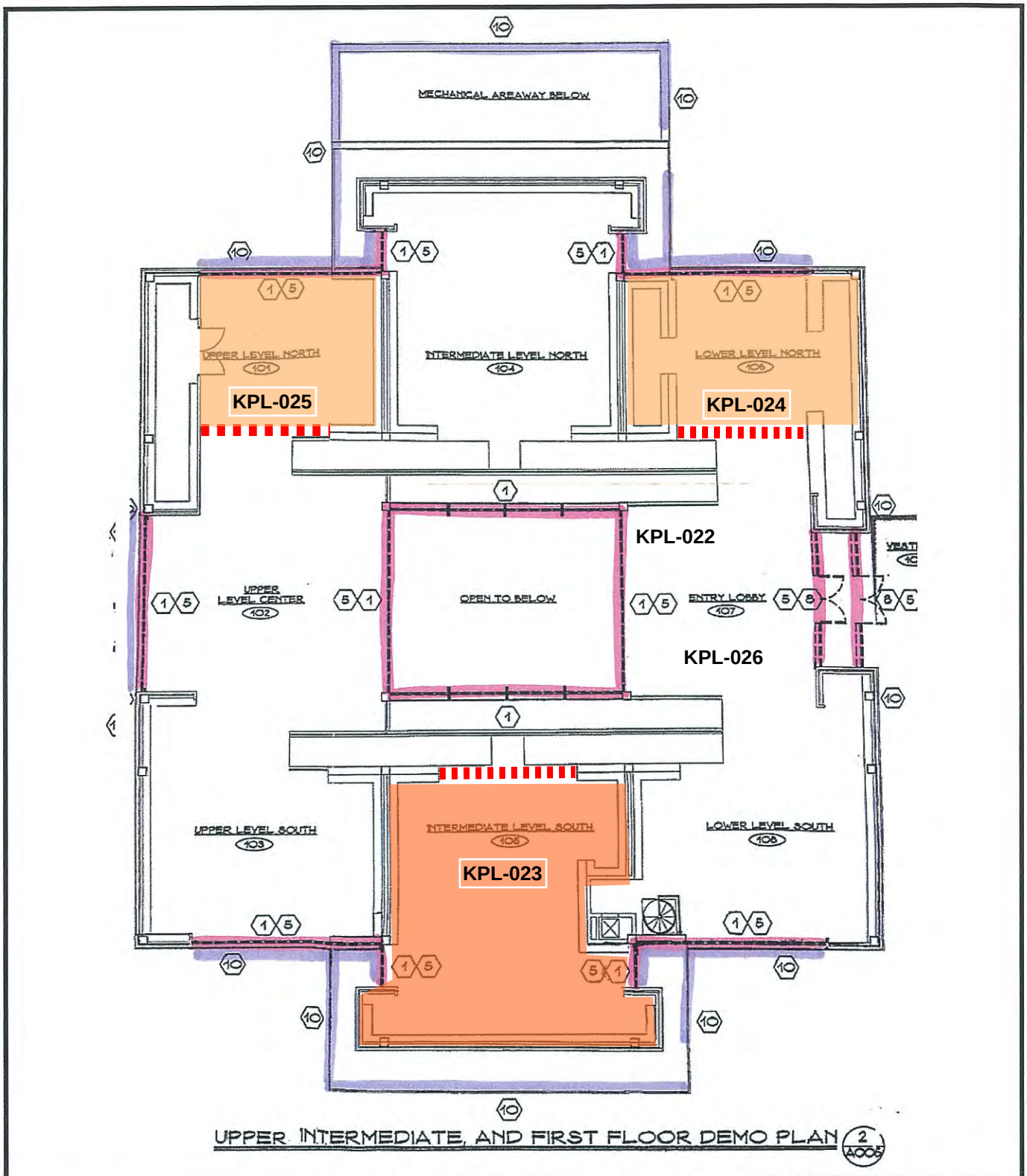

Figure 1-2 Indoor Air Sample Locations
Day 1 Indoor Air Sampling Event

KPL-028 Indoor Air Sample Location and Identifier

Boundary of Target Sample Location

FUSS & O'NEILL
EnviroScience, LLC

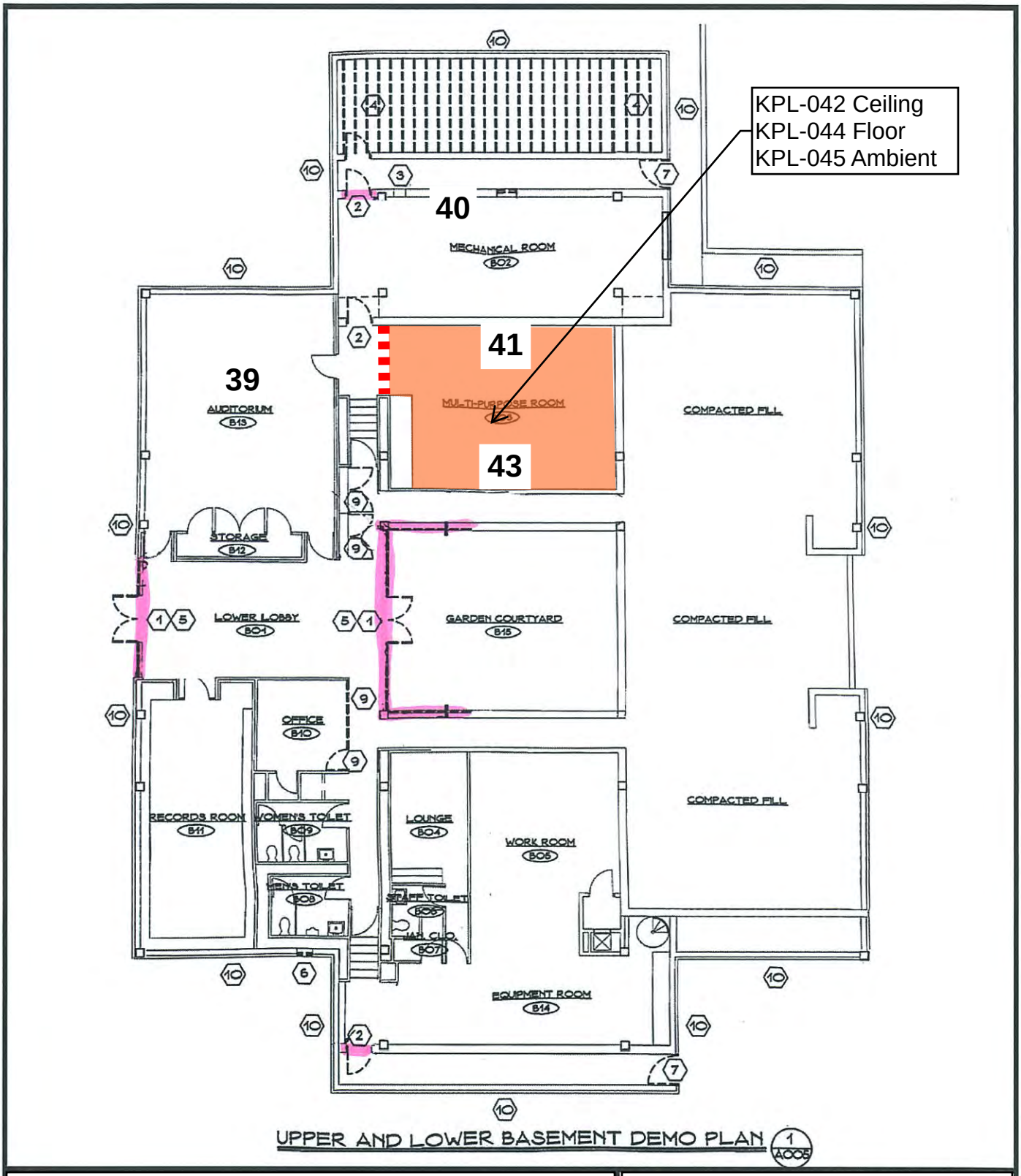

Figure 3-1 Indoor Air Sample Locations
Day 4 Indoor Air Sampling Event

KPL-028 Indoor Air Sample Location and Identifier

Boundary of Target Sample Location

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EnviroScience, LLC

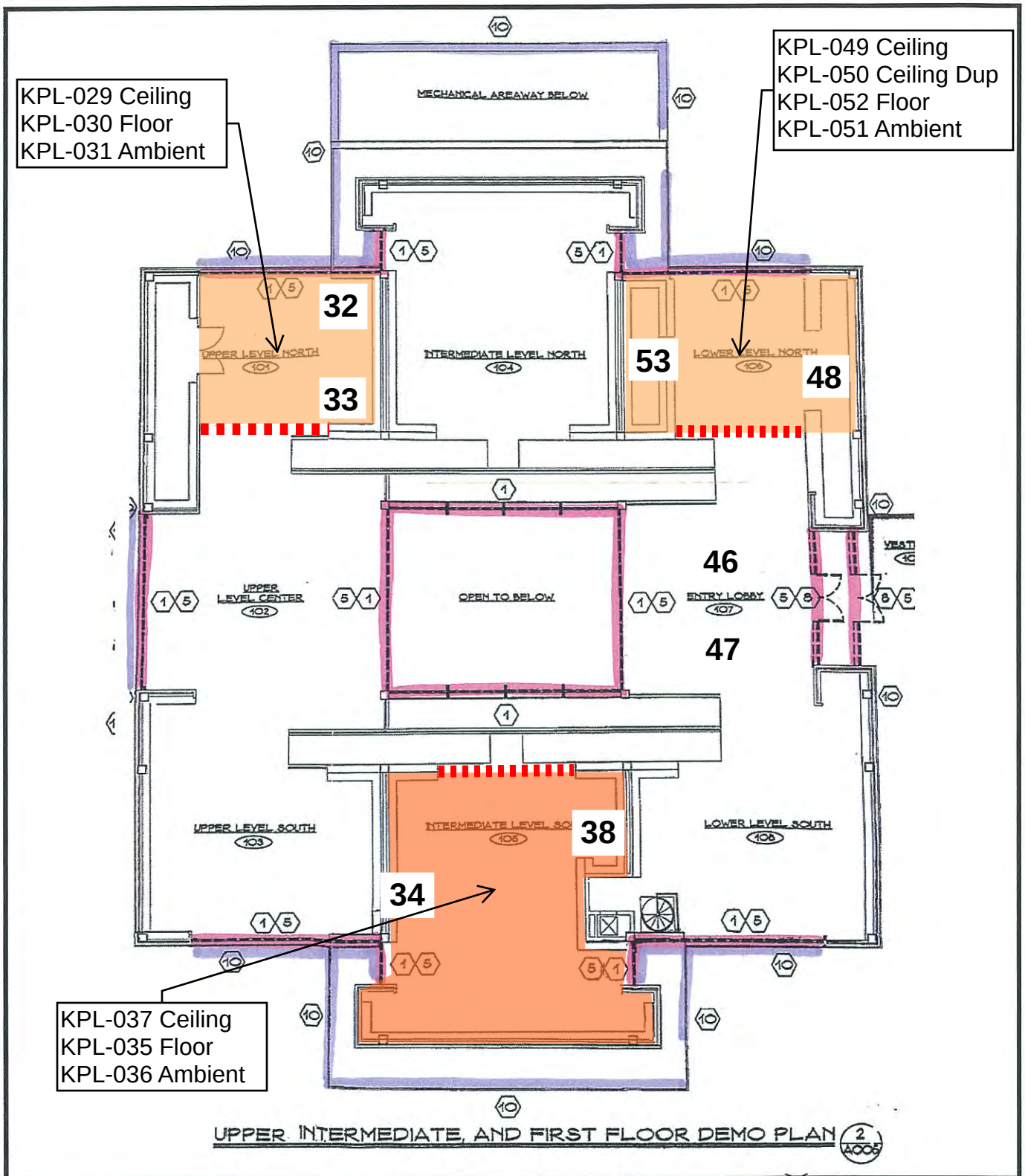

Figure 3-2 Indoor Air Sample Locations
Day 4 Indoor Air Sampling Event

KPL-028 Indoor Air Sample Location and Identifier

Boundary of Target Sample Location

FUSS & O'NEILL
EnviroScience, LLC

Appendix G

Laboratory Results for Concrete Ceilings after Abrasive Removal of Paints and Sealants

con-test®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

January 20, 2017

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: Kent Memorial Library
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 17A0745

Enclosed are results of analyses for samples received by the laboratory on January 17, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Steven M. Case
Project Manager

Table of Contents

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 1/20/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17A0745

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Kent Memorial Library

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
KML-054	17A0745-01	Concrete		SW-846 8082A	
KML-055	17A0745-02	Concrete		SW-846 8082A	
KML-056	17A0745-03	Concrete		SW-846 8082A	
KML-057	17A0745-04	Concrete		SW-846 8082A	
KML-058	17A0745-05	Concrete		SW-846 8082A	
KML-059	17A0745-06	Concrete		SW-846 8082A	
KML-060	17A0745-07	Concrete		SW-846 8082A	
KML-061	17A0745-08	Concrete		SW-846 8082A	

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

P-01

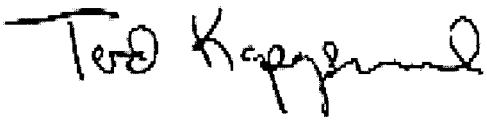
Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1248
17A0745-05[KML-058]

Aroclor-1248 [2C]
17A0745-05[KML-058]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-054 | Sampled: 1/17/2017 10:50

Sample ID: 17A0745-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1254 [2]	0.23	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.3	30-150		1/19/17 19:39
Decachlorobiphenyl [2]	98.2	30-150		1/19/17 19:39
Tetrachloro-m-xylene [1]	84.8	30-150		1/19/17 19:39
Tetrachloro-m-xylene [2]	97.1	30-150		1/19/17 19:39

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-055 | Sampled: 1/17/2017 11:00

Sample ID: 17A0745-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 19:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.1	30-150		1/19/17 19:57
Decachlorobiphenyl [2]	61.8	30-150		1/19/17 19:57
Tetrachloro-m-xylene [1]	55.0	30-150		1/19/17 19:57
Tetrachloro-m-xylene [2]	62.7	30-150		1/19/17 19:57

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-056 | Sampled: 1/17/2017 11:20

Sample ID: 17A0745-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1254 [2]	0.25	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.4	30-150		1/19/17 20:14
Decachlorobiphenyl [2]	94.0	30-150		1/19/17 20:14
Tetrachloro-m-xylene [1]	81.3	30-150		1/19/17 20:14
Tetrachloro-m-xylene [2]	92.6	30-150		1/19/17 20:14

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-057 | Sampled: 1/17/2017 11:30

Sample ID: 17A0745-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.4	30-150		1/19/17 20:32
Decachlorobiphenyl [2]	102	30-150		1/19/17 20:32
Tetrachloro-m-xylene [1]	77.3	30-150		1/19/17 20:32
Tetrachloro-m-xylene [2]	88.4	30-150		1/19/17 20:32

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-058 | Sampled: 1/17/2017 12:00

Sample ID: 17A0745-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1248 [2]	0.26	0.090	mg/Kg	1	P-01	SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1254 [2]	0.34	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 20:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.7	30-150		1/19/17 20:50
Decachlorobiphenyl [2]	106	30-150		1/19/17 20:50
Tetrachloro-m-xylene [1]	89.5	30-150		1/19/17 20:50
Tetrachloro-m-xylene [2]	104	30-150		1/19/17 20:50

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-059 | Sampled: 1/17/2017 12:10

Sample ID: 17A0745-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual			
Decachlorobiphenyl [1]	96.0	30-150				1/19/17 21:08
Decachlorobiphenyl [2]	102	30-150				1/19/17 21:08
Tetrachloro-m-xylene [1]	85.5	30-150				1/19/17 21:08
Tetrachloro-m-xylene [2]	97.7	30-150				1/19/17 21:08

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-060 | Sampled: 1/17/2017 12:45

Sample ID: 17A0745-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1254 [2]	0.16	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.4	30-150		1/19/17 21:25
Decachlorobiphenyl [2]	98.5	30-150		1/19/17 21:25
Tetrachloro-m-xylene [1]	79.1	30-150		1/19/17 21:25
Tetrachloro-m-xylene [2]	90.6	30-150		1/19/17 21:25

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Kent Memorial Library | Sample Description: | Work Order: 17A0745

Date Received: 1/17/2017

Field Sample #: KML-061 | Sampled: 1/17/2017 12:55

Sample ID: 17A0745-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/18/17	1/19/17 21:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.8	30-150		1/19/17 21:43
Decachlorobiphenyl [2]	99.6	30-150		1/19/17 21:43
Tetrachloro-m-xylene [1]	87.8	30-150		1/19/17 21:43
Tetrachloro-m-xylene [2]	100	30-150		1/19/17 21:43

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17A0745-01 [KML-054]	B168177	2.07	10.0	01/18/17
17A0745-02 [KML-055]	B168177	2.01	10.0	01/18/17
17A0745-03 [KML-056]	B168177	2.05	10.0	01/18/17
17A0745-04 [KML-057]	B168177	2.06	10.0	01/18/17
17A0745-05 [KML-058]	B168177	2.23	10.0	01/18/17
17A0745-06 [KML-059]	B168177	2.13	10.0	01/18/17
17A0745-07 [KML-060]	B168177	2.06	10.0	01/18/17
17A0745-08 [KML-061]	B168177	2.07	10.0	01/18/17

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B168177 - SW-846 3540C										
Blank (B168177-BLK1)				Prepared: 01/18/17 Analyzed: 01/19/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.912*		mg/Kg	1.00		91.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.982*		mg/Kg	1.00		98.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.849*		mg/Kg	1.00		84.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.974*		mg/Kg	1.00		97.4	30-150			
LCS (B168177-BS1)				Prepared: 01/18/17 Analyzed: 01/19/17						
Aroclor-1016	0.22	0.10	mg/Kg	0.250		88.7	40-140			
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		103	40-140			
Aroclor-1260	0.20	0.10	mg/Kg	0.250		80.5	40-140			
Aroclor-1260 [2C]	0.22	0.10	mg/Kg	0.250		88.1	40-140			
Surrogate: Decachlorobiphenyl	*0.930*		mg/Kg	1.00		93.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.863*		mg/Kg	1.00		86.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.987*		mg/Kg	1.00		98.7	30-150			
LCS Dup (B168177-BSD1)				Prepared: 01/18/17 Analyzed: 01/19/17						
Aroclor-1016	0.23	0.10	mg/Kg	0.250		92.4	40-140	4.08	30	
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140	4.17	30	
Aroclor-1260	0.20	0.10	mg/Kg	0.250		80.5	40-140	0.0646	30	
Aroclor-1260 [2C]	0.22	0.10	mg/Kg	0.250		88.4	40-140	0.308	30	
Surrogate: Decachlorobiphenyl	*0.925*		mg/Kg	1.00		92.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.996*		mg/Kg	1.00		99.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.863*		mg/Kg	1.00		86.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.984*		mg/Kg	1.00		98.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B168177 - SW-846 3540C										
Matrix Spike (B168177-MS1)	**Source: 17A0745-01**			Prepared: 01/18/17 Analyzed: 01/19/17						
Aroclor-1016	0.23	0.10	mg/Kg	0.249	ND	93.2	40-140			
Aroclor-1016 [2C]	0.34	0.10	mg/Kg	0.249	ND	139	40-140			
Aroclor-1260	0.24	0.10	mg/Kg	0.249	ND	94.7	40-140			
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.249	ND	102	40-140			
Surrogate: Decachlorobiphenyl	*0.911*		mg/Kg	0.995		91.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.973*		mg/Kg	0.995		97.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.844*		mg/Kg	0.995		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.966*		mg/Kg	0.995		97.1	30-150			
Matrix Spike Dup (B168177-MSD1)	**Source: 17A0745-01**			Prepared: 01/18/17 Analyzed: 01/19/17						
Aroclor-1016	0.24	0.099	mg/Kg	0.248	ND	98.1	40-140	4.61	50	
Aroclor-1016 [2C]	0.34	0.099	mg/Kg	0.248	ND	137	40-140	1.88	50	
Aroclor-1260	0.24	0.099	mg/Kg	0.248	ND	95.4	40-140	0.243	50	
Aroclor-1260 [2C]	0.26	0.099	mg/Kg	0.248	ND	104	40-140	1.17	50	
Surrogate: Decachlorobiphenyl	*0.936*		mg/Kg	0.990		94.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.00*		mg/Kg	0.990		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.832*		mg/Kg	0.990		84.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.950*		mg/Kg	0.990		95.9	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KML-054

Lab Sample ID: 17A0745-01 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.23	13.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KML-056

Lab Sample ID: 17A0745-03 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.25	3.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KML-058

Lab Sample ID: 17A0745-05 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	0.16	
	2	0.00	0.00	0.00	0.26	48.2
Aroclor-1254	1	0.00	0.00	0.00	0.30	
	2	0.00	0.00	0.00	0.34	13.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

KML-060

Lab Sample ID: 17A0745-07 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.13	
	2	0.00	0.00	0.00	0.16	16.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B168177-BS1 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.22	
	2	0.00	0.00	0.00	0.26	16
Aroclor-1260	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.22	9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B168177-BSD1 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.27	16
Aroclor-1260	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.22	9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B168177-MS1 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.34	38
Aroclor-1260	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.25	6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B168177-MSD1 Date(s) Analyzed: 01/19/2017 01/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.34	33
Aroclor-1260	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.26	10

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

17A0745

Rev 04.05.12

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

Company Name: FTO Enviro Science
Address: 146 Hartford Rd
Manchester, CT
Attention: R. May, K Rinard
Project Location: Kent Memorial Library
Sampled By: K Rinard, M. Malat

Telephone:
Project # 2015/259.
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #
Email:
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	EPA 8082/3545A/C	# of Containers	** Preservation	***Container Code
01	KML-054	1/17/17	1050		✓	C	L	✓	4	C	G
02	055		1100		✓			✓			
03	KML-056		1120		✓			✓			
04	057		1130		✓			✓			
05	KML-058	1/17/17	1200		✓	C	L	✓			
06	059		1210		✓			✓			
07	KML-060		1245		✓			✓			
08	061		1255		✓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments: RL ≤ 1 ppm C = Concrete

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	1/17/17	Date/Time: 1430
Received by: (signature)	1/17/17	Date/Time: 1430
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other _____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

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WBE/DBE Certified

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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FUSS & O'NEILL

memorandum

To: R May

From: K. Rinard, A Marlat

Project No: 20151259

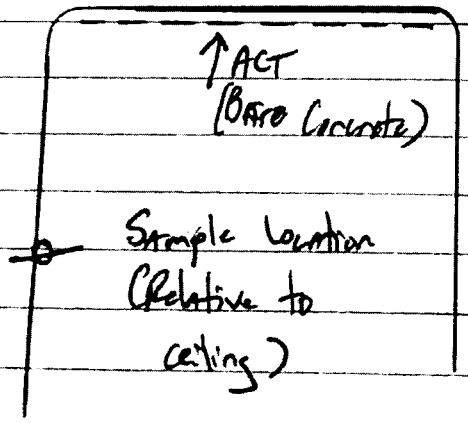
Date: 1/17/17

Subject: KML- Post Removal

KML- ID#		
054	0.0 - 0.5	Upper Level North
055	0.5 - 1.0	↓
056	0.0 - 0.5	Lower Level North
057	0.5 - 1.0	↓
058	0.0 - 0.5	Intermediate Level South
059	0.5 - 1.0	↓
060	0.0 - 0.5	Multipurpose Room
061	0.5 - 1.0	↓

No samples from underside of slab (unprinted) - Collected from vertical face within waffle cavity
No print on underside of slab within waffle behind ACT.

Fig 1 Waffle Slab Side Profile



Appendix H

Post Encapsulation Wipe Sample Laboratory Results February 2017

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

February 15, 2017

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20160978.A1E
Laboratory Work Order Number: 17B0414

Enclosed are results of analyses for samples received by the laboratory on February 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Steven M. Case
Project Manager

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 2/15/2017

PURCHASE ORDER NUMBER: 20160978.A1E

PROJECT NUMBER: 20160978.A1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17B0414

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
2.8 PB 01-Concrete Multipurpose Rm	17B0414-01	Wipe		SW-846 8082A	
2.8 PB 02 Brick Cirulation Desk	17B0414-02	Wipe		SW-846 8082A	
2.8 PB 03 Blank	17B0414-03	Wipe		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT
Sample Description:
Work Order: 17B0414

Date Received: 2/8/2017

Field Sample #: 2.8 PB 01-Concrete Multipurpose Rm
Sampled: 2/8/2017 00:00

Sample ID: 17B0414-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:15	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.2	30-150		2/13/17 15:15
Decachlorobiphenyl [2]	106	30-150		2/13/17 15:15
Tetrachloro-m-xylene [1]	86.2	30-150		2/13/17 15:15
Tetrachloro-m-xylene [2]	95.7	30-150		2/13/17 15:15

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ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT
Sample Description:
Work Order: 17B0414

Date Received: 2/8/2017

Field Sample #: 2.8 PB 02 Brick Cirulation Desk
Sampled: 2/8/2017 00:00

Sample ID: 17B0414-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:28	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		2/13/17 15:28
Decachlorobiphenyl [2]	104	30-150		2/13/17 15:28
Tetrachloro-m-xylene [1]	81.9	30-150		2/13/17 15:28
Tetrachloro-m-xylene [2]	90.8	30-150		2/13/17 15:28

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ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT
Sample Description:
Work Order: 17B0414

Date Received: 2/8/2017

Field Sample #: 2.8 PB 03 Blank
Sampled: 2/8/2017 00:00

Sample ID: 17B0414-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/10/17	2/13/17 15:41	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.7	30-150		2/13/17 15:41
Decachlorobiphenyl [2]	108	30-150		2/13/17 15:41
Tetrachloro-m-xylene [1]	84.6	30-150		2/13/17 15:41
Tetrachloro-m-xylene [2]	95.2	30-150		2/13/17 15:41

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
17B0414-01 [2.8 PB 01-Concrete Multipurpose Rm]	B170164	1.00	10.0	02/10/17
17B0414-02 [2.8 PB 02 Brick Cirulation Desk]	B170164	1.00	10.0	02/10/17
17B0414-03 [2.8 PB 03 Blank]	B170164	1.00	10.0	02/10/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B170164 - SW-846 3540C										
Blank (B170164-BLK1)				Prepared: 02/10/17 Analyzed: 02/13/17						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.89*		µg/Wipe	2.00		94.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.09*		µg/Wipe	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/Wipe	2.00		90.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.93*		µg/Wipe	2.00		96.3	30-150			
LCS (B170164-BS1)				Prepared: 02/10/17 Analyzed: 02/13/17						
Aroclor-1016	0.45	0.20	µg/Wipe	0.500		90.3	40-140			
Aroclor-1016 [2C]	0.54	0.20	µg/Wipe	0.500		107	40-140			
Aroclor-1260	0.40	0.20	µg/Wipe	0.500		79.3	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/Wipe	0.500		87.5	40-140			
Surrogate: Decachlorobiphenyl	*1.85*		µg/Wipe	2.00		92.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.06*		µg/Wipe	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*1.75*		µg/Wipe	2.00		87.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.89*		µg/Wipe	2.00		94.4	30-150			
LCS Dup (B170164-BSD1)				Prepared: 02/10/17 Analyzed: 02/13/17						
Aroclor-1016	0.48	0.20	µg/Wipe	0.500		95.3	40-140	5.33	30	
Aroclor-1016 [2C]	0.52	0.20	µg/Wipe	0.500		103	40-140	3.52	30	
Aroclor-1260	0.41	0.20	µg/Wipe	0.500		81.5	40-140	2.72	30	
Aroclor-1260 [2C]	0.43	0.20	µg/Wipe	0.500		87.0	40-140	0.610	30	
Surrogate: Decachlorobiphenyl	*1.90*		µg/Wipe	2.00		95.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.14*		µg/Wipe	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*1.78*		µg/Wipe	2.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.93*		µg/Wipe	2.00		96.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B170164-BS1 Date(s) Analyzed: 02/13/2017 02/13/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.45	
	2	0.00	0.00	0.00	0.54	18
Aroclor-1260	1	0.00	0.00	0.00	0.40	
	2	0.00	0.00	0.00	0.44	11

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B170164-BSD1 Date(s) Analyzed: 02/13/2017 02/13/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.48	
	2	0.00	0.00	0.00	0.52	9
Aroclor-1260	1	0.00	0.00	0.00	0.41	
	2	0.00	0.00	0.00	0.43	6

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

17B0414

39 Spruce Street
East longmeadow, MA 01028

Page_____of_____

Company Name: Fuss & O' Neill
Address: 146 Hartford Road
Manchester CT
Attention:
Project Location: 50 North Main ST Suffield CT
Sampled By: Paul Bakeman
Project Proposal Provided? (for billing purposes) ○ yes ____________ proposal date

Telephone: 1-860-646-2469
Project # 20160978.A1E
Client PO# 20160978.A1E

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # 1-888-838-1160
Email: rmay@Fando.com
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER ______
○ "Enhanced Data Package"

# of Containers	1
** Preservation	
***Container Code	G

ANALYSIS REQUESTED: PCB Soxhlet 8082

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB Soxhlet 8082
01	2.8 PB 01 - Concrete ~~[illegible]~~ 2/8/17 multipurpose room							X
02	02 Back Circulation Desk		↓					X
03	03 - Blank							X

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other______

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other______

Comments: 5 Day TAT please

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) Paul Bakeman / Paul Bakeman	2/8/16
Received by: (signature) [signature] 16.9°C 2/8/17	1500
Relinquished by: (signature)	
Received by: (signature)	

Turnaround ††
☐ 7-Day
~~10-Day~~ 5 Day
☒ Other 5 Day
~~RUSH~~ †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # ________

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA 01028
P: 413-525-2332
F: 413-525-6405
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Sample Receipt Checklist

CLIENT NAME: Fuss + O'neill RECEIVED BY: CM DATE: 2/8/17

1) **Was the chain(s) of custody relinquished and signed?** Yes ✓ No ____ No COC Incl.

2) **Does the chain agree with the samples?** Yes ✓ No ____
If not, explain:

3) **Are all the samples in good condition?** Yes ✓ No ____
If not, explain:

4) **How were the samples received:**
On Ice ____ Direct from Sampling ____ Ambient ✓ In Cooler(s) ____

Were the samples received in Temperature Compliance of (2-6°C)? Yes ____ No ____ N/A ✓

Temperature °C by Temp blank ____ Temperature °C by Temp gun 16.9 #2

5) **Are there Dissolved samples for the lab to filter?** Yes ____ No ✓
Who was notified ____ Date ____ Time ____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes ____ No ✓
Who was notified ____ Date ____ Time ____

7) **Location where samples are stored:** Login

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

8) **Do all samples have the proper Acid pH:** Yes ____ No ____ N/A ✓

9) **Do all samples have the proper Base pH:** Yes ____ No ____ N/A ✓

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes ____ N/A ✓

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	3
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		SOC Kit	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

40 mL vials: # HCl ____ # Methanol ____ Time and Date Frozen:
Bisulfate ____ # DI Water ____
Thiosulfate ____ Unpreserved ____

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	NA	
4) Cooler Temperature is acceptable.	NA	
5) Cooler Temperature is recorded.	T	16.9°C
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	no times
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** **Date/Time:** 2/8/17 1500

Appendix I

Indoor Air Sampling Laboratory Results for Pilot Remediation Study November 2017

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

November 28, 2017

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 17K0680

Enclosed are results of analyses for samples received by the laboratory on November 10, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 11/28/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17K0680

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
11+10PB01 Multipurpose Room	17K0680-01	Air		TO-10A/EPA 680 Modified	
11+10PB02 Duplicate	17K0680-02	Air		TO-10A/EPA 680 Modified	
11+10PB03 Auditorium	17K0680-03	Air		TO-10A/EPA 680 Modified	
11+10PB04 Blank	17K0680-04	Air		TO-10A/EPA 680 Modified	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 11/10/2017
Field Sample #: 11+10PB01 Multipurpose Room
Sample ID: 17K0680-01
Sample Matrix: Air
Sampled: 11/10/2017 14:10

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1579.5

Work Order: 17K0680

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 18:42	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 18:42	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 18:42	CJM
Tetrachlorobiphenyls	0.090	0.0020		0.057	0.0013	1	11/27/17 18:42	CJM
Pentachlorobiphenyls	0.085	0.0020		0.054	0.0013	1	11/27/17 18:42	CJM
Hexachlorobiphenyls	0.0037	0.0020		0.0024	0.0013	1	11/27/17 18:42	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 18:42	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 18:42	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0032	1	11/27/17 18:42	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0032	1	11/27/17 18:42	CJM
Total Polychlorinated biphenyls	0.18			0.11		1	11/27/17 18:42	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	70.7	50-125	11/27/17 18:42

con-test® ANALYTICAL LABORATORY
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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 11/10/2017
Field Sample #: 11+10PB02 Duplicate
Sample ID: 17K0680-02
Sample Matrix: Air
Sampled: 11/10/2017 14:11

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1579.5

Work Order: 17K0680

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:19	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:19	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:19	CJM
Tetrachlorobiphenyls	0.087	0.0020		0.055	0.0013	1	11/27/17 19:19	CJM
Pentachlorobiphenyls	0.083	0.0020		0.052	0.0013	1	11/27/17 19:19	CJM
Hexachlorobiphenyls	0.0074	0.0020		0.0047	0.0013	1	11/27/17 19:19	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 19:19	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 19:19	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0032	1	11/27/17 19:19	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0032	1	11/27/17 19:19	CJM
Total Polychlorinated biphenyls	0.18			0.11		1	11/27/17 19:19	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	77.1	50-125	11/27/17 19:19

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 11/10/2017
Field Sample #: 11+10PB03 Auditorium
Sample ID: 17K0680-03
Sample Matrix: Air
Sampled: 11/10/2017 14:12

Sample Description/Location:
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1599

Work Order: 17K0680

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:56	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:56	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00063	1	11/27/17 19:56	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0013	1	11/27/17 19:56	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0013	1	11/27/17 19:56	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0013	1	11/27/17 19:56	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 19:56	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0019	1	11/27/17 19:56	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0031	1	11/27/17 19:56	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0031	1	11/27/17 19:56	CJM
Total Polychlorinated biphenyls	0.0			0		1	11/27/17 19:56	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	82.6	50-125	11/27/17 19:56

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 11/10/2017
Field Sample #: 11+10PB04 Blank
Sample ID: 17K0680-04
Sample Matrix: Air
Sampled: 11/10/2017 00:00

Sample Description/Location:
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 17K0680

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		1	11/27/17 20:34	CJM
Dichlorobiphenyls	ND	0.0010		1	11/27/17 20:34	CJM
Trichlorobiphenyls	ND	0.0010		1	11/27/17 20:34	CJM
Tetrachlorobiphenyls	ND	0.0020		1	11/27/17 20:34	CJM
Pentachlorobiphenyls	ND	0.0020		1	11/27/17 20:34	CJM
Hexachlorobiphenyls	ND	0.0020		1	11/27/17 20:34	CJM
Heptachlorobiphenyls	ND	0.0030		1	11/27/17 20:34	CJM
Octachlorobiphenyls	ND	0.0030		1	11/27/17 20:34	CJM
Nonachlorobiphenyls	ND	0.0050		1	11/27/17 20:34	CJM
Decachlorobiphenyl	ND	0.0050		1	11/27/17 20:34	CJM
Total Polychlorinated biphenyls	0.0			1	11/27/17 20:34	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	78.2	50-125	11/27/17 20:34

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
17K0680-01 [11+10PB01 Multipurpose Room]	B191117	1.00	1.00	11/15/17
17K0680-02 [11+10PB02 Duplicate]	B191117	1.00	1.00	11/15/17
17K0680-03 [11+10PB03 Auditorium]	B191117	1.00	1.00	11/15/17
17K0680-04 [11+10PB04 Blank]	B191117	1.00	1.00	11/15/17

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B191117 - SW-846 3540C											
Blank (B191117-BLK1)					Prepared: 11/15/17 Analyzed: 11/27/17						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.158*				*0.200*		*79.1*	*50-125*			
LCS (B191117-BS1)					Prepared: 11/15/17 Analyzed: 11/27/17						
Monochlorobiphenyls	0.14	0.0010			0.200		72.4	40-140			
Dichlorobiphenyls	0.15	0.0010			0.200		75.7	40-140			
Trichlorobiphenyls	0.14	0.0010			0.200		70.7	40-140			
Tetrachlorobiphenyls	0.29	0.0020			0.400		72.7	40-140			
Pentachlorobiphenyls	0.30	0.0020			0.400		74.8	40-140			
Hexachlorobiphenyls	0.30	0.0020			0.400		74.0	40-140			
Heptachlorobiphenyls	0.44	0.0030			0.600		72.8	40-140			
Octachlorobiphenyls	0.44	0.0030			0.600		73.9	40-140			
Nonachlorobiphenyls	0.84	0.0050			1.00		83.6	40-140			
Decachlorobiphenyl	0.79	0.0050			1.00		78.9	40-140			
Surrogate: Tetrachloro-m-xylene	*0.168*				*0.200*		*83.9*	*50-125*			
LCS Dup (B191117-BSD1)					Prepared: 11/15/17 Analyzed: 11/27/17						
Monochlorobiphenyls	0.17	0.0010			0.200		86.0	40-140	17.2	50	
Dichlorobiphenyls	0.18	0.0010			0.200		90.7	40-140	18.0	50	
Trichlorobiphenyls	0.17	0.0010			0.200		85.4	40-140	18.8	50	
Tetrachlorobiphenyls	0.36	0.0020			0.400		88.8	40-140	19.9	50	
Pentachlorobiphenyls	0.36	0.0020			0.400		90.0	40-140	18.4	50	
Hexachlorobiphenyls	0.36	0.0020			0.400		89.8	40-140	19.2	50	
Heptachlorobiphenyls	0.53	0.0030			0.600		88.6	40-140	19.6	50	
Octachlorobiphenyls	0.54	0.0030			0.600		89.2	40-140	18.7	50	
Nonachlorobiphenyls	0.98	0.0050			1.00		97.8	40-140	15.6	50	
Decachlorobiphenyl	0.92	0.0050			1.00		91.7	40-140	15.0	50	
Surrogate: Tetrachloro-m-xylene	*0.179*				*0.200*		*89.3*	*50-125*			

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

INTERNAL STANDARD AREA AND RT SUMMARY

TO-10A/EPA 680 Modified

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
11+10PB01 Multipurpose Room (17K0680-01)			Lab File ID: F1127015.D			Analyzed: 11/27/17 18:42			
Phenanthrene-d10	1382264	20.32				50 - 200	20.3200	+/-0.50	
Chrysene-d12	1039724	28.092				50 - 200	28.0920	+/-0.50	
11+10PB02 Duplicate (17K0680-02)			Lab File ID: F1127016.D			Analyzed: 11/27/17 19:19			
Phenanthrene-d10	1414519	20.316				50 - 200	20.3160	+/-0.50	
Chrysene-d12	990674	28.088				50 - 200	28.0880	+/-0.50	
11+10PB03 Auditorium (17K0680-03)			Lab File ID: F1127017.D			Analyzed: 11/27/17 19:56			
Phenanthrene-d10	1300516	20.316				50 - 200	20.3160	+/-0.50	
Chrysene-d12	954951	28.089				50 - 200	28.0890	+/-0.50	
11+10PB04 Blank (17K0680-04)			Lab File ID: F1127018.D			Analyzed: 11/27/17 20:34			
Phenanthrene-d10	1350367	20.316				50 - 200	20.3160	+/-0.50	
Chrysene-d12	997233	28.093				50 - 200	28.0930	+/-0.50	

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CONTINUING CALIBRATION CHECK

				RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17K0680

con-test ANALYTICAL LABORATORY

http://www.contestlabs.com

Doc #378 Rev 1_03242017

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd, Manchester CT
Phone:	1-860-646-2469
Project Name:	Kent Public Library
Project Location:	50 North Main St. Suffield CT
Project Number:	20151259.A3E
Project Manager:	R May
Con-Test Quote Name/Number:	
Invoice Recipient:	Sara Owen SowenOFando.com
Sampled By:	Paul Bateman

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To: rmay@fando.com
Fax To #: 1-888-838-1138

ANALYSIS REQUESTED

TO-10A 40 hrs

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	" Hg				
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	[X] m³/min [X] L/min	Code	[X] Liters [ ] m³	Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
1	11+101801 Multipurpose room	7:40	2:10	390	4.05	PUF	1,579.5					
2	02 Duplicate	7:41	2:11	390	4.05	PUF	1,579.5					
3	03 Auditorium	7:42	2:12	390	4.1	PUF	1,599					
4	04 Blank	—	—	—	—	PUF	—					

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature) Paul Bateman 1634	Date/Time: 11/10/17
Received by: (signature) 17.6 PB 1634	Date/Time: 11/10/17
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
[ ] MA MCP Required
MCP Certification Form Required
[ ] CT RCP Required
RCP Certification Form Required
[ ] Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
[ ] Government [X] Municipality [ ] MWRA [ ] WRTA
[ ] Federal [ ] 21 J [ ] School
[ ] City [ ] Brownfield [ ] MBTA

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

PCB ONLY
[ ] Soxhlet
[ ] Non Soxhlet

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Doc# 278 Rev 6 2017

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fuss & O'Neill

Received By RMP | Date 11/10/17 | Time 1634

How were the samples received? In Cooler T | On Ice | No Ice | In Box | Ambient | Melted Ice

Were samples within Temperature Compliance? 2-6°C F | By Gun # PR1 | Actual Temp - 17.6 | By Blank # | Actual Temp -

Was Custody Seal Intact? NA | Were Samples Tampered with? NA

Was COC Relinquished ? T | Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T

Did COC Include all Pertinent Information? Client T | Project T | Analysis T | ID's T | Sampler Name T | Collection Dates/Times T

Are Sample Labels filled out and legible? T

Are there Rushes? F | Who was notified?

Samples are received within holding time? T

Proper Media Used? T | Individually Certified Cans? F

Are there Trip Blanks? T | Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans					Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s	4				Tedlar			

Can #'s					Reg #'s				
Unused Media					Pufs/TO-17's				
					120913-01				
					120913-02				
					120913-03				
					120913-04				

Comments:

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December 15, 2017

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 17L0469

Enclosed are results of analyses for samples received by the laboratory on December 11, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 12/15/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0469

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
12-9PB01	17L0469-01	Air	Multi purpose room	TO-10A/EPA 680 Modified	
12-9PB02	17L0469-02	Air	Multi purpose room duplicate	TO-10A/EPA 680 Modified	
12-9PB03	17L0469-03	Air	Auditorium	TO-10A/EPA 680 Modified	
12-9PB04	17L0469-04	Air	Blank	TO-10A/EPA 680 Modified	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

TO-10A/EPA 680 Modified

Qualifications:

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Heptachlorobiphenyls
B193073-BS1, B193073-BSD1

Hexachlorobiphenyls
B193073-BS1, B193073-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 12/11/2017
Field Sample #: 12-9PB01
Sample ID: 17L0469-01
Sample Matrix: Air
Sampled: 12/9/2017 13:35

Sample Description/Location: Multi purpose room
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1365

Work Order: 17L0469

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00073	1	12/15/17 10:31	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00073	1	12/15/17 10:31	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00073	1	12/15/17 10:31	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 10:31	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 10:31	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 10:31	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	12/15/17 10:31	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	12/15/17 10:31	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	12/15/17 10:31	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	12/15/17 10:31	CJM
Total Polychlorinated biphenyls	0.0			0		1	12/15/17 10:31	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.3	50-125	12/15/17 10:31

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 12/11/2017
Field Sample #: 12-9PB02
Sample ID: 17L0469-02
Sample Matrix: Air
Sampled: 12/9/2017 13:36

Sample Description/Location: Multi purpose room duplicate
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1330

Work Order: 17L0469

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00075	1	12/15/17 11:08	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00075	1	12/15/17 11:08	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00075	1	12/15/17 11:08	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 11:08	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 11:08	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 11:08	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0023	1	12/15/17 11:08	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0023	1	12/15/17 11:08	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0038	1	12/15/17 11:08	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0038	1	12/15/17 11:08	CJM
Total Polychlorinated biphenyls	0.0			0		1	12/15/17 11:08	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	87.5	50-125	12/15/17 11:08

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 12/11/2017
Field Sample #: 12-9PB03
Sample ID: 17L0469-03
Sample Matrix: Air
Sampled: 12/9/2017 13:40

Sample Description/Location: Auditorium
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1344

Work Order: 17L0469

TO-10A/EPA 680 Modified

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		ND	0.00074	1	12/15/17 11:46	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00074	1	12/15/17 11:46	CJM
Trichlorobiphenyls	ND	0.0010		ND	0.00074	1	12/15/17 11:46	CJM
Tetrachlorobiphenyls	0.083	0.0020		0.062	0.0015	1	12/15/17 11:46	CJM
Pentachlorobiphenyls	0.087	0.0020		0.064	0.0015	1	12/15/17 11:46	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.0015	1	12/15/17 11:46	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0022	1	12/15/17 11:46	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0022	1	12/15/17 11:46	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0037	1	12/15/17 11:46	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0037	1	12/15/17 11:46	CJM
Total Polychlorinated biphenyls	0.17			0.13		1	12/15/17 11:46	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	90.1	50-125	12/15/17 11:46

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 12/11/2017
Field Sample #: 12-9PB04
Sample ID: 17L0469-04
Sample Matrix: Air
Sampled: 12/9/2017 00:00

Sample Description/Location: Blank
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 17L0469

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag/Qual	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010		1	12/15/17 12:28	CJM
Dichlorobiphenyls	ND	0.0010		1	12/15/17 12:28	CJM
Trichlorobiphenyls	ND	0.0010		1	12/15/17 12:28	CJM
Tetrachlorobiphenyls	ND	0.0020		1	12/15/17 12:28	CJM
Pentachlorobiphenyls	ND	0.0020		1	12/15/17 12:28	CJM
Hexachlorobiphenyls	ND	0.0020		1	12/15/17 12:28	CJM
Heptachlorobiphenyls	ND	0.0030		1	12/15/17 12:28	CJM
Octachlorobiphenyls	ND	0.0030		1	12/15/17 12:28	CJM
Nonachlorobiphenyls	ND	0.0050		1	12/15/17 12:28	CJM
Decachlorobiphenyl	ND	0.0050		1	12/15/17 12:28	CJM
Total Polychlorinated biphenyls	0.0			1	12/15/17 12:28	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	90.0	50-125	12/15/17 12:28

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
17L0469-01 [12-9PB01]	B193073	1.00	1.00	12/13/17
17L0469-02 [12-9PB02]	B193073	1.00	1.00	12/13/17
17L0469-03 [12-9PB03]	B193073	1.00	1.00	12/13/17
17L0469-04 [12-9PB04]	B193073	1.00	1.00	12/13/17

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QUALITY CONTROL

PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B193073 - SW-846 3540C											
Blank (B193073-BLK1)					Prepared: 12/12/17 Analyzed: 12/15/17						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.195*				*0.200*		*97.5*	*50-125*			
LCS (B193073-BS1)					Prepared: 12/12/17 Analyzed: 12/14/17						
Monochlorobiphenyls	0.20	0.0010			0.200		101	40-140			
Dichlorobiphenyls	0.21	0.0010			0.200		103	40-140			
Trichlorobiphenyls	0.19	0.0010			0.200		93.8	40-140			
Tetrachlorobiphenyls	0.39	0.0020			0.400		96.4	40-140			
Pentachlorobiphenyls	0.40	0.0020			0.400		98.8	40-140			
Hexachlorobiphenyls	0.35	0.0020			0.400		88.2	40-140			V-05
Heptachlorobiphenyls	0.52	0.0030			0.600		87.4	40-140			V-05
Octachlorobiphenyls	0.53	0.0030			0.600		88.7	40-140			
Nonachlorobiphenyls	0.94	0.0050			1.00		94.4	40-140			
Decachlorobiphenyl	0.98	0.0050			1.00		97.8	40-140			
Surrogate: Tetrachloro-m-xylene	*0.211*				*0.200*		*106*	*50-125*			
LCS Dup (B193073-BSD1)					Prepared: 12/12/17 Analyzed: 12/14/17						
Monochlorobiphenyls	0.20	0.0010			0.200		99.7	40-140	1.25	50	
Dichlorobiphenyls	0.20	0.0010			0.200		98.6	40-140	4.44	50	
Trichlorobiphenyls	0.18	0.0010			0.200		90.9	40-140	3.18	50	
Tetrachlorobiphenyls	0.37	0.0020			0.400		92.0	40-140	4.76	50	
Pentachlorobiphenyls	0.40	0.0020			0.400		99.3	40-140	0.481	50	
Hexachlorobiphenyls	0.33	0.0020			0.400		81.5	40-140	7.82	50	V-05
Heptachlorobiphenyls	0.48	0.0030			0.600		79.6	40-140	9.28	50	V-05
Octachlorobiphenyls	0.50	0.0030			0.600		83.1	40-140	6.49	50	
Nonachlorobiphenyls	0.90	0.0050			1.00		90.0	40-140	4.71	50	
Decachlorobiphenyl	0.95	0.0050			1.00		95.5	40-140	2.40	50	
Surrogate: Tetrachloro-m-xylene	*0.195*				*0.200*		*97.7*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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INTERNAL STANDARD AREA AND RT SUMMARY

TO-10A/EPA 680 Modified

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
12-9PB01 (17L0469-01)			Lab File ID: F1213027.D			Analyzed: 12/15/17 10:31			
Phenanthrene-d10	828454	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	871756	27.969				50 - 200	27.9690	+/-0.50	
12-9PB02 (17L0469-02)			Lab File ID: F1213028.D			Analyzed: 12/15/17 11:08			
Phenanthrene-d10	806675	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	871994	27.973				50 - 200	27.9730	+/-0.50	
12-9PB03 (17L0469-03)			Lab File ID: F1213029.D			Analyzed: 12/15/17 11:46			
Phenanthrene-d10	1037802	20.23				50 - 200	20.2300	+/-0.50	
Chrysene-d12	992695	27.969				50 - 200	27.9690	+/-0.50	
12-9PB04 (17L0469-04)			Lab File ID: F1213030.D			Analyzed: 12/15/17 12:28			
Phenanthrene-d10	953353	20.226				50 - 200	20.2260	+/-0.50	
Chrysene-d12	865566	27.964				50 - 200	27.9640	+/-0.50	

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CONTINUING CALIBRATION CHECK

				RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17L0469

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc #378 Rev 1_03242017

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd Manchester, CT
Phone:	1-860-646-2469
Project Name:	Kent Public Library
Project Location:	50 North Main ST Suffield, CT
Project Number:	20151259 . A3E
Project Manager:	Bob May
Con-Test Quote Name/Number:	
Invoice Recipient:	Sam Owen sowen@fando.com
Sampled By:	Paul Bateman

Requested Turnaround Time
- 7-Day ☐ 10-Day ☐
- Due Date:

Rush-Approval Required
- 1-Day ☐ 3-Day ☐
- 2-Day ☐ 4-Day ☒

Data Delivery
- Format: PDF ☒ EXCEL ☐
- Other:
- CLP Like Data Pkg Required: ☐
- Email To: rmay@fando.com
- Fax To #: 1-888-838-1160

ANALYSIS REQUESTED

Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate: ☐ m³/min ☒ L/min	Matrix Code	Volume: ☒ Liters ☐ m³	TO-10A Homologs	Initial Pressure ("Hg)	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
1	12-9PB01 Multipurpose Room	12/9/17 7:45	1:35	350	3.9	PUF	1,365	X					
2	12-9PB02 Duplicate	7:46	1:36	350	3.8	PUF	1,330	X					
3	12-9PB03 Auditorium	7:47	1:40	353	3.8	PUF	1,34.4	X					
4	12-9PB04 Blank	–	–	–	–	PUF	–	X					

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments: Please Deliver 4 Day TAT at 7 Day Price Per Bob May. Thanks

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
- SG = SOIL GAS
- IA = INDOOR AIR
- AMB = AMBIENT
- SS = SUB SLAB
- D = DUP
- BL = BLANK
- O = Other

	Date/Time:
Relinquished by: (signature) Paul Bateman	12/9/17
Received by: (signature) [signature] 12/11/17	12:20
Relinquished by: (signature) [signature] 12/11/17	5:35
Received by: (signature) [signature] 12/11/17	1735
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
- MA
- CT
- Other:

Special Requirements
- ☐ MA MCP Required
- MCP Certification Form Required
- ☐ CT RCP Required
- RCP Certification Form Required
- ☐ Other

Project Entity
- ☐ Government ☒ Municipality ☐ MWRA ☐ WRTA
- ☐ Federal ☐ 21 J ☐ School
- ☐ City ☐ Brownfield ☐ MBTA

Other
- ☐ Chromatogram
- ☐ AIHA-LAP,LLC

PCB ONLY
- ☐ Soxhlet
- ☐ Non Soxhlet

con-test ANALYTICAL LABORATORY www.contestlabs.com

NELAC and AIHA-LAP, LLC Accredited

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East Longmeadow, MA. 01028
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con-test® ANALYTICAL LABORATORY

Doc# 278 Rev 6 2017

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fuss + O'neill

Received By JM | Date 12/11/17 | Time 1735

How were the samples received? In Cooler T | On Ice T | No Ice | In Box | Ambient | Melted Ice

Were samples within Temperature Compliance? 2-6°C T | By Gun # 577 | Actual Temp - 2.2 | By Blank # | Actual Temp -

Was Custody Seal Intact? N/A | Were Samples Tampered with? N/A

Was COC Relinquished ? T | Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T

Did COC Include all Pertinent Information? Client T | Analysis T | Sampler Name T | Project T | ID's T | Collection Dates/Times T

Are Sample Labels filled out and legible? T

Are there Rushes? T | Who was notified? Ray

Samples are received within holding time? T

Proper Media Used? T | Individually Certified Cans? N/A

Are there Trip Blanks? N/A | Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans					Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s	4	low-volume			Tedlar			

Can #'s					Reg #'s				
		12093-	07, 08,	09, 10					
Unused Media					**Pufs/TO-17's**				

Comments:

Appendix J

Post-Verification Laboratory Results for Concrete and Wood Floors
December 2017

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 15, 2017

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A3E
Laboratory Work Order Number: 17L0470

Enclosed are results of analyses for samples received by the laboratory on December 11, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

Table of Contents

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 12/15/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A3E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17L0470

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
12-9 PB05	17L0470-01	Product/Solid		SW-846 8082A	
12-9 PB06	17L0470-02	Product/Solid		SW-846 8082A	
12-9 PB07	17L0470-03	Product/Solid		SW-846 8082A	
12-9 PB08	17L0470-04	Product/Solid		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Work Order: 17L0470

Date Received: 12/11/2017

Field Sample #: 12-9 PB05 Sampled: 12/9/2017 00:00

Sample ID: 17L0470-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 13:59	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.9	30-150		12/15/17 13:59
Decachlorobiphenyl [2]	95.9	30-150		12/15/17 13:59
Tetrachloro-m-xylene [1]	83.3	30-150		12/15/17 13:59
Tetrachloro-m-xylene [2]	98.0	30-150		12/15/17 13:59

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Work Order: 17L0470

Date Received: 12/11/2017

Field Sample #: 12-9 PB06 Sampled: 12/9/2017 00:00

Sample ID: 17L0470-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.0	30-150		12/15/17 14:12
Decachlorobiphenyl [2]	83.5	30-150		12/15/17 14:12
Tetrachloro-m-xylene [1]	76.8	30-150		12/15/17 14:12
Tetrachloro-m-xylene [2]	85.4	30-150		12/15/17 14:12

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT | Sample Description: | Work Order: 17L0470

Date Received: 12/11/2017

Field Sample #: 12-9 PB07 | Sampled: 12/9/2017 00:00

Sample ID: 17L0470-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:25	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.6	30-150		12/15/17 14:25
Decachlorobiphenyl [2]	82.2	30-150		12/15/17 14:25
Tetrachloro-m-xylene [1]	78.5	30-150		12/15/17 14:25
Tetrachloro-m-xylene [2]	86.1	30-150		12/15/17 14:25

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Project Location: 50 North Main St., Suffield, CT | Sample Description: | Work Order: 17L0470

Date Received: 12/11/2017

Field Sample #: 12-9 PB08 | Sampled: 12/9/2017 00:00

Sample ID: 17L0470-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1254 [2]	0.57	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/13/17	12/15/17 14:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.2	30-150		12/15/17 14:38
Decachlorobiphenyl [2]	87.2	30-150		12/15/17 14:38
Tetrachloro-m-xylene [1]	80.3	30-150		12/15/17 14:38
Tetrachloro-m-xylene [2]	89.2	30-150		12/15/17 14:38

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17L0470-01 [12-9 PB05]	B193114	2.11	10.0	12/13/17
17L0470-02 [12-9 PB06]	B193114	2.09	10.0	12/13/17
17L0470-03 [12-9 PB07]	B193114	2.04	10.0	12/13/17
17L0470-04 [12-9 PB08]	B193114	2.02	10.0	12/13/17

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B193114 - SW-846 3540C										
Blank (B193114-BLK1)				Prepared: 12/13/17 Analyzed: 12/15/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.933*		mg/Kg	1.00		93.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.890*		mg/Kg	1.00		89.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.772*		mg/Kg	1.00		77.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.843*		mg/Kg	1.00		84.3	30-150			
LCS (B193114-BS1)				Prepared: 12/13/17 Analyzed: 12/15/17						
Aroclor-1016	0.74	0.10	mg/Kg	1.00		74.1	40-140			
Aroclor-1016 [2C]	0.82	0.10	mg/Kg	1.00		81.8	40-140			
Aroclor-1260	0.78	0.10	mg/Kg	1.00		77.7	40-140			
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		79.1	40-140			
Surrogate: Decachlorobiphenyl	*0.888*		mg/Kg	1.00		88.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.750*		mg/Kg	1.00		75.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.812*		mg/Kg	1.00		81.2	30-150			
LCS Dup (B193114-BSD1)				Prepared: 12/13/17 Analyzed: 12/15/17						
Aroclor-1016	0.91	0.10	mg/Kg	1.00		91.3	40-140	20.7	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		99.8	40-140	19.8	30	
Aroclor-1260	0.97	0.10	mg/Kg	1.00		96.5	40-140	21.6	30	
Aroclor-1260 [2C]	0.99	0.10	mg/Kg	1.00		99.0	40-140	22.3	30	
Surrogate: Decachlorobiphenyl	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.04*		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*0.859*		mg/Kg	1.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.00*		mg/Kg	1.00		100	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

12-9 PB08

Lab Sample ID: 17L0470-04 Date(s) Analyzed: 12/15/2017 12/15/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.56	
	2	0.000	0.000	0.000	0.57	0.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

1710470

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd Manchester CT 06040
Phone:	1-860-646-2469
Project Name:	Kent Public Library
Project Location:	50 North Main ST Suffield CT
Project Number:	20151259.A3E
Project Manager:	Bob May
Con-Test Quote Name/Number:	
Invoice Recipient:	Sara Owen sowen@fando.com
Sampled By:	Paul Bateman

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☒

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: rmay@fando.com
Fax To #: 1-888-838-1160

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc. Code	# of Containers	Preservation Code	Container Code	8082 Soxhlet	PCB Bulk
1	12-9 PBC 05 Basement by Dumbwaiter	12/9/17	Near Door	✓		SOL		4	H	G	X	X
2	12-9 PBC 06	12/9/17	Center	✓		SOL		4	H	G	X	X
3	12-9 PBC 07	12/9/17	Rear	✓		SOL		4	H	G	X	X
4	12-9 PBC 08 1st FL Front Center	12/9/17		✓		SOL		4	H	G	X	X

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Paul Bateman / Paul Bateman
Date/Time:	12/9/17
Received by: (signature)	
Date/Time:	12:20
Relinquished by: (signature)	
Date/Time:	5:35
Received by: (signature)	12/11/17
Date/Time:	1735
Relinquished by: (signature)	
Date/Time:	
Received by: (signature)	
Date/Time:	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☒ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fuss & O'Neill

Received By JM Date 12/11/17 Time 1735

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____ Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.2 By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified? ____

Are there Rushes? T Who was notified? Ray

Are there Short Holds? N/A Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	4
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Appendix K

TRC Initial Wipe Sample Laboratory Results for December 2015 and February 2016

PHOENIX
Environmental Laboratories, Inc.

Wednesday, December 23, 2015

Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: KENT MEMORIAL LIBRARY
Sample ID#s: BK41827 - BK41832

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		12/18/15	9:58
Location Code:	TRC-DAS	Received by:	LB	12/18/15	17:16
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK41827
Phoenix ID: BK41827

Project ID: KENT MEMORIAL LIBRARY
Client ID: 10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				12/18/15	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	90		%	2	12/21/15	AW	30 - 150 %
% TCMX	92		%	2	12/21/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 23, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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Analysis Report

December 23, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		12/18/15	10:06
Location Code:	TRC-DAS	Received by:	LB	12/18/15	17:16
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK41827
Phoenix ID: BK41828

Project ID: KENT MEMORIAL LIBRARY
Client ID: 11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				12/18/15	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1254	1.9	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	89		%	2	12/21/15	AW	30 - 150 %
% TCMX	81		%	2	12/21/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
December 23, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		12/18/15	10:14
Location Code:	TRC-DAS	Received by:	LB	12/18/15	17:16
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK41827
Phoenix ID: BK41829

Project ID: KENT MEMORIAL LIBRARY
Client ID: 13

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				12/18/15	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1254	3.9	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	95		%	2	12/21/15	AW	30 - 150 %
% TCMX	86		%	2	12/21/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director
December 23, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		12/18/15	10:19
Location Code:	TRC-DAS	Received by:	LB	12/18/15	17:16
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK41827
Phoenix ID: BK41830

Project ID: KENT MEMORIAL LIBRARY
Client ID: 14

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				12/18/15	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	98		%	2	12/21/15	AW	30 - 150 %
% TCMX	89		%	2	12/21/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director
December 23, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		12/18/15	10:20
Location Code:	TRC-DAS	Received by:	LB	12/18/15	17:16
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK41827
Phoenix ID: BK41831

Project ID: KENT MEMORIAL LIBRARY
Client ID: 15

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				12/18/15	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	97		%	2	12/21/15	AW	30 - 150 %
% TCMX	87		%	2	12/21/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director
December 23, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2015

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		12/18/15	10:31
Location Code:	TRC-DAS	Received by:	LB	12/18/15	17:16
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK41827
Phoenix ID: BK41832

Project ID: KENT MEMORIAL LIBRARY
Client ID: 17

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				12/18/15	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	12/21/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	96		%	2	12/21/15	AW	30 - 150 %
% TCMX	86		%	2	12/21/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

December 23, 2015

QA/QC Data

SDG I.D.: GBK41827

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 330071 (ug), QC Sample No: BK41328 2X (BK41827, BK41828, BK41829, BK41830, BK41831, BK41832)										
Polychlorinated Biphenyl										
PCB-1016	ND	1.0	100	106	5.8				40 - 140	30
PCB-1221	ND	1.0							40 - 140	30
PCB-1232	ND	1.0							40 - 140	30
PCB-1242	ND	1.0							40 - 140	30
PCB-1248	ND	1.0							40 - 140	30
PCB-1254	ND	1.0							40 - 140	30
PCB-1260	ND	1.0	106	112	5.5				40 - 140	30
PCB-1262	ND	1.0							40 - 140	30
PCB-1268	ND	1.0							40 - 140	30
% DCBP (Surrogate Rec)	108	%	108	116	7.1				30 - 150	30
% TCMX (Surrogate Rec)	86	%	98	100	2.0				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
December 23, 2015

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBK41827 - TRC-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:**

Project Location: KENT MEMORIAL LIBRARY **Project Number:**

Laboratory Sample ID(s): BK41827, BK41828, BK41829, BK41830, BK41831, BK41832

Sampling Date(s): 12/18/2015

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

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.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
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 (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
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 ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #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 providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Wednesday, December 23, 2015

Printed Name: Ethan Lee

Position: Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

December 23, 2015

SDG I.D.: GBK41827

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd3 12/21/15-1 (BK41827, BK41828, BK41829)

The initial calibration (PC1217AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1217BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 12/21/2015

Instrument: Au-ecd5 12/21/15-1 (BK41830, BK41831, BK41832)

The initial calibration (PC1215AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1215BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 12/21/2015

QC Comments: QC Batch 330071 12/18/15 (BK41827, BK41828, BK41829, BK41830, BK41831, BK41832)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

---------- Sample No: BK41328, QA/QC Batch: 330071 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 5C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

December 23, 2015

SDG I.D.: GBK41827

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 5 °C Pg of

Contact Options:
☐ Fax:
☐ Phone:
☒ Email: hlaliberte@trcsolutions.com

Customer: 21 Griffin Rd N.
Address: Windsor, CT 06095

Project: Kent Memorial Library
Report to: H. Laliberte
Invoice to: Same

Project P.O: 223120

* USE CT DAS RATES *

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: JDC Date: 12/18/15

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request: 8082/3540

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	
41827	10	W	12/18/15	958	X										W see drawing
41828	11			1006											W
	~~10 DUP~~			1011											G
41829	13			1014											C
41830	14			1019											C
41831	15			1020											C DUPLICATE
	~~16 DUP~~			1026											G
41832	17			1031											BLANK

Relinquished by:	Accepted by:	Date:	Time:
		12/18/15	1350
		12/18/15	17:16

Comments, Special Requirements or Regulations:
- All wipes 100cm²
- See drawing for locations W=Wall C=Ceiling G=Granite

VOID SAMPLES 12, 16

Turnaround:
☒ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☒ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☐ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☒ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

Thursday, January 07, 2016

Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: KENT MEMORIAL LIBRARY
Sample ID#s: BK45531 - BK45536

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 07, 2016

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		12/31/15	12:02
Location Code:	TRC	Received by:	LK	12/31/15	15:33
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK45531
Phoenix ID: BK45531

Project ID: KENT MEMORIAL LIBRARY
Client ID: 01- PCB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed					QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1221	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1232	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1242	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1248	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1254	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1260	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1262	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1268	ND	1.0	ug	2	01/05/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	93		%	2	01/05/16	AW	30 - 150 %
% TCMX	73		%	2	01/05/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 07, 2016
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 07, 2016

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		12/31/15	12:08
Location Code:	TRC	Received by:	LK	12/31/15	15:33
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK45531
Phoenix ID: BK45532

Project ID: KENT MEMORIAL LIBRARY
Client ID: 02- PCB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/04/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1221	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1232	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1242	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1248	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1254	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1260	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1262	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1268	ND	1.0	ug	2	01/05/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	76		%	2	01/05/16	AW	30 - 150 %
% TCMX	74		%	2	01/05/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director
January 07, 2016
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 07, 2016

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		12/31/15	12:11
Location Code:	TRC	Received by:	LK	12/31/15	15:33
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK45531
Phoenix ID: BK45533

Project ID: KENT MEMORIAL LIBRARY
Client ID: 03- PCB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/04/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1221	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1232	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1242	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1248	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1254	7.3	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1260	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1262	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1268	ND	1.0	ug	2	01/05/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	93		%	2	01/05/16	AW	30 - 150 %
% TCMX	82		%	2	01/05/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director
January 07, 2016
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 07, 2016

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		12/31/15	12:12
Location Code:	TRC	Received by:	LK	12/31/15	15:33
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK45531
Phoenix ID: BK45534

Project ID: KENT MEMORIAL LIBRARY
Client ID: 04- PCB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/04/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1221	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1232	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1242	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1248	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1254	2.2	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1260	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1262	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1268	ND	1.0	ug	2	01/05/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	88		%	2	01/05/16	AW	30 - 150 %
% TCMX	77		%	2	01/05/16	AW	30 - 150 %

Project ID: KENT MEMORIAL LIBRARY
Client ID: 04- PCB

Phoenix I.D.: BK45534

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director
January 07, 2016
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 07, 2016

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		12/31/15	12:13
Location Code:	TRC	Received by:	LK	12/31/15	15:33
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK45531
Phoenix ID: BK45535

Project ID: KENT MEMORIAL LIBRARY
Client ID: 05- PCB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/04/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1221	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1232	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1242	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1248	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1254	3.5	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1260	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1262	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1268	ND	1.0	ug	2	01/05/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	92		%	2	01/05/16	AW	30 - 150 %
% TCMX	82		%	2	01/05/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 07, 2016
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 07, 2016

FOR: Attn: Mr Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information	
Matrix:	WIPE
Location Code:	TRC
Rush Request:	24 Hour
P.O.#:	223120

Custody Information		Date	Time
Collected by:		12/31/15	11:55
Received by:	LK	12/31/15	15:33
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBK45531
Phoenix ID: BK45536

Project ID: KENT MEMORIAL LIBRARY
Client ID: 06- PCB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/04/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1221	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1232	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1242	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1248	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1254	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1260	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1262	ND	1.0	ug	2	01/05/16	AW	SW8082A
PCB-1268	ND	1.0	ug	2	01/05/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	85		%	2	01/05/16	AW	30 - 150 %
% TCMX	70		%	2	01/05/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 07, 2016
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

January 07, 2016

QA/QC Data

SDG I.D.: GBK45531

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 330999 (ug), QC Sample No: BK45531 2X (BK45531, BK45532, BK45533, BK45534, BK45535, BK45536)										
Polychlorinated Biphenyl										
PCB-1016	ND	1.0	87	91	4.5				40 - 140	30
PCB-1221	ND	1.0							40 - 140	30
PCB-1232	ND	1.0							40 - 140	30
PCB-1242	ND	1.0							40 - 140	30
PCB-1248	ND	1.0							40 - 140	30
PCB-1254	ND	1.0							40 - 140	30
PCB-1260	ND	1.0	105	108	2.8				40 - 140	30
PCB-1262	ND	1.0							40 - 140	30
PCB-1268	ND	1.0							40 - 140	30
% DCBP (Surrogate Rec)	101	%	103	102	1.0				30 - 150	30
% TCMX (Surrogate Rec)	71	%	72	74	2.7				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
BK45943 did not have surrogate. Insufficient sample for rextraction.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
January 07, 2016

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBK45531 - TRC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: KENT MEMORIAL LIBRARY **Project Number:**

Laboratory Sample ID(s): BK45531, BK45532, BK45533, BK45534, BK45535, BK45536

Sampling Date(s): 12/31/2015

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

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.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
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 (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
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 ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #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 providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Thursday, January 07, 2016

Printed Name: Ethan Lee

Position: Project Manager

Nov 2007

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

January 07, 2016

SDG I.D.: GBK45531

Temperature above 6C:
The samples were received in a cooler with ice packs. The samples were delivered to the Laboratory within a short period of time after sample collection. Therefore no significant bias is suspected.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd29 01/05/16-1 (BK45536)

The initial calibration (PC1106AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1106BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 1/5/2016

Instrument: Au-ecd48 01/05/16-1 (BK45531)

The initial calibration (PC1216AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1216BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 1/5/2016

Instrument: Au-ecd5 01/05/16-1 (BK45532)

The initial calibration (PC1228AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1228BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 1/5/2016

Instrument: Au-ecd6 01/05/16-1 (BK45533, BK45535)

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

January 07, 2016

SDG I.D.: GBK45531

The initial calibration (PC1217AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1217BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 1/5/2016

Instrument: Au-ecd8 01/05/16-1 (BK45534)

The initial calibration (PC1218AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1218BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 1/5/2016

QC Comments: QC Batch 330999 01/04/16 (BK45531, BK45532, BK45533, BK45534, BK45535, BK45536)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
BK45943 did not have surrogate. Insufficient sample for rextraction.

QC (Batch Specific)

---------- Sample No: BK45531, QA/QC Batch: 330999 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 13.6C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

January 07, 2016

SDG I.D.: GBK45531

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 13.6 °C Pg 1 of 1

Data Delivery: No Cooler NO ICPack.
☐ Fax #:
☑ Email: HLaliberte@TRCsolutions.com

Customer: TRC
Address: 21 Griffin Rd North
Windsor CT 06095

Project: Kent Memorial Lib
Report to: H. Laliberte
Invoice to: "

Project P.O: 223120
Phone #: 860 298 9692
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] 12/31/15 Date

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=other
GW=groundwater **SL**=sludge **A**=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	8082/3540C	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
45531	01-PCB	O	12/31/15	1202	X		X								
45532	02-PCB	O	"	1208	X		X								
45533	03-PCB	O	"	1211	X		X								
45534	04-PCB	O	"	1212	X		X								
45535	05-PCB	O	"	1213	X		X								
45536	06-PCB	O	"	1155	X		X								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	12/31/15	1533
		12/31/15	15:33

Turnaround:
☑ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other
* SURCHARGE APPLIES

CT/RI
☐ RCP Cert.
☐ GW Protect.
☐ GA Mobility
☐ GB Mobility
☐ SW Protect.
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☑ Phoenix Std Report
☐ Other

State where samples were collected: CT

Comments, Special Requirements or Regulations:
01-PCB (#11 2nd Attempt)
02-PCB (#13 " ")
03-PCB SW wind. sill
04-PCB NW " "
05-PCB (04 duplicate)
06-PCB Blank
} wipe samples

Tom Call
860 798 3248

Plimpton, Erik

From: Plimpton, Erik
Sent: Tuesday, March 8, 2016 10:23 AM
To: Bruce Devanney; 'Suzanne Hegener'
Cc: Heelon, David
Subject: FW: 63 - 695 Hartford - Bridge # 03402A Pier 1 - Amtrak Property - Enviro Hazard Clean up
Attachments: Access to Bridge # 03402A Pier 1.png

Reminder

Whoever you send to the site tomrrow, has to have current Amtrak contractor safety training, and we will need a copy of their card before they can come on site. If you can email them today that would be even better.

Also they all need safety boots, hardhats and orange reflective vests, plus whatever PPE/tools they need to be able to handle cleaning up the biohazard/BBP issues on site.

Amtrak will have a flagman on site, and ESI will be working under TRCs Amtrak right of entry permit.

Erik R. Plimpton, PE, CHMM, CMC
Vice President
Eastern Region Practice Leader
Building Sciences & Industrial Hygiene

TRC
Results you can rely on

21 Griffin Road North, Windsor, CT 06095
T: 860.298.6280 | F: 860.298.6380 | C: 860.798.4699

LinkedIn | Twitter | Blog | Flickr | www.trcsolutions.com

From: Plimpton, Erik
Sent: Tuesday, March 8, 2016 10:06 AM
To: Bruce Devanney <BDevanney@e-s-i.com>; 'Suzanne Hegener' <SHegener@e-s-i.com>; 'Kingsbury, David A' <David.Kingsbury@ct.gov>
Cc: Heelon, David <DHeelon@trcsolutions.com>
Subject: FW: 63 - 695 Hartford - Bridge # 03402A Pier 1 - Amtrak Property - Enviro Hazard Clean up

8AM

Erik R. Plimpton, PE, CHMM, CMC
Vice President
Eastern Region Practice Leader
Building Sciences & Industrial Hygiene

TRC
Results you can rely on

21 Griffin Road North, Windsor, CT 06095
T: 860.298.6280 | F: 860.298.6380 | C: 860.798.4699

LinkedIn | Twitter | Blog | Flickr | www.trcsolutions.com

From: Kingsbury, David A [mailto:David.Kingsbury@ct.gov]
Sent: Tuesday, March 8, 2016 10:03 AM
To: Plimpton, Erik <EPlimpton@trcsolutions.com>
Subject: RE: 63 - 695 Hartford - Bridge # 03402A Pier 1 - Amtrak Property - Enviro Hazard Clean up

Eric , The location of the work has to be accessed on a temporary roadway off of Park St. there is a chain linked gate.
We can met off 1200 Park St. , Hartford a shopping mall parking lot. Give them my cell # 860 – 212- 3574.
What time do you expect them on-site ?

1200 Park St, Hartford, CT 06106

https://www.google.com/maps/@41.7586454,-72.6996024,18.35z

David A Kingsbury
Chief Inspector DOT District 1
Project # 63 -695
Rehabilitation of Bridge Nos. 03399D and 03402A

Office
30 Arbor Street (Suite 201)
Hartford, CT
860 – 212 – 3574

From: Plimpton, Erik [mailto:EPlimpton@trcsolutions.com]
Sent: Tuesday, March 08, 2016 9:25 AM
To: Kingsbury, David A; Mathieu Jr., Felix
Cc: Calafiore, Joseph; Bishtawi, Mohammed; Nemecek, Judith A; Tim O'Connell; Kieran Cullinane (kcullinane@mohawknortheast.com)
Subject: RE: 63 - 695 Hartford - Bridge # 03402A Pier 1 - Amtrak Property - Enviro Hazard Clean up

Where should my inspector and sub park? Not even sure exactly where this bridge is located.

thx

Erik R. Plimpton, PE, CHMM, CMC
Vice President
Eastern Region Practice Leader
Building Sciences & Industrial Hygiene

21 Griffin Road North, Windsor, CT 06095
T: 860.298.6280 | F: 860.298.6380 | C: 860.798.4699

LinkedIn | Twitter | Blog | Flickr | www.trcsolutions.com

From: Kingsbury, David A [mailto:David.Kingsbury@ct.gov]
Sent: Monday, March 7, 2016 7:17 AM
To: Plimpton, Erik <EPlimpton@trcsolutions.com>; Mathieu Jr., Felix <Felix.Mathieu@ct.gov>
Cc: Calafiore, Joseph <Joseph.Calafiore@ct.gov>; Bishtawi, Mohammed <Mohammed.Bishtawi@ct.gov>; Nemecek, Judith A <Judith.Nemecek@ct.gov>; Tim O'Connell <TO_Connell@mohawknortheast.com>; Kieran Cullinane

(kcullinane@mohawknortheast.com) <kcullinane@mohawknortheast.com>
Subject: RE: 63 - 695 Hartford - Bridge # 03402A Pier 1 - Amtrak Property - Enviro Hazard Clean up

A flagman has been schedule all week for this area.

David A Kingsbury
Chief Inspector DOT District 1
Project # 63 -695
Rehabilitation of Bridge Nos. 03399D and 03402A

Office
30 Arbor Street (Suite 201)
Hartford, CT
860 – 212 – 3574

From: Plimpton, Erik [mailto:EPlimpton@trcsolutions.com]
Sent: Friday, March 04, 2016 1:43 PM
To: Mathieu Jr., Felix
Cc: Kingsbury, David A; Calafiore, Joseph; Bishtawi, Mohammed; Nemecek, Judith A
Subject: Re: 63 - 695 Hartford - Bridge # 03402A Pier 1 - Amtrak Property - Enviro Hazard Clean up

Please have an Amtrak flag man scheduled

Erik R. Plimpton, PE, CHMM, CMC
TRC
860-798-4699
eplimpton@trcsolutions.com

Sent from my iPhone

On Mar 4, 2016, at 1:25 PM, Mathieu Jr., Felix <Felix.Mathieu@ct.gov> wrote:

> Dave:
> This is to confirmed our conversation that ESI will be onsite to perform the Biohazard cleanup on Wednesday March 4, 2016 at 8:00 AM. Please let me know if anything change.
>
> Felix
>
> ---
>
> **From:** Kingsbury, David A
> **Sent:** Tuesday, March 01, 2016 11:13 AM
> **To:** Mathieu Jr., Felix
> **Cc:** Calafiore, Joseph; Bishtawi, Mohammed
> **Subject:** 63 - 695 Hartford - Bridge # 03402A Pier 1 - Amtrak Property - Enviro Hazard Clean up
> **Importance:** High
>
> Felix , Mohawk has acquired their permit to enter Amtrak property to start work have we received ours yet ?
>
> If so can we get the on-call contractor to clean up the area now ?
>
> **David A Kingsbury**
> Chief Inspector DOT District 1

Project # 63 -695
Rehabilitation of Bridge Nos. 03399D and 03402A

Office
30 Arbor Street (Suite 201)
Hartford, CT
860 – 212 – 3574

PHOENIX
Environmental Laboratories, Inc.

Thursday, February 04, 2016

Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: TOWN OF SUFFIELD
Sample ID#s: BK60167 - BK60169

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 04, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information

Matrix:	WIPE
Location Code:	TRC-PCB
Rush Request:	24 Hour
P.O.#:	223120-0010-00003

Custody Information

		Date	Time
Collected by:			
Received by:	SW	02/02/16	13:30
Analyzed by:	see "By" below	02/02/16	14:30

Laboratory Data

SDG ID: GBK60167
Phoenix ID: BK60167

Project ID: TOWN OF SUFFIELD
Client ID: 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				02/02/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	99		%	2	02/03/16	AW	30 - 150 %
% TCMX	79		%	2	02/03/16	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 04, 2016
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 04, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		02/02/16	13:34
Location Code:	TRC-PCB	Received by:	SW	02/02/16	14:30
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120-0010-00003				

Laboratory Data

SDG ID: GBK60167
Phoenix ID: BK60168

Project ID: TOWN OF SUFFIELD
Client ID: 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				02/02/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	2	02/03/16	AW	30 - 150 %
% TCMX	86		%	2	02/03/16	AW	30 - 150 %

Project ID: TOWN OF SUFFIELD
Client ID: 2

Phoenix I.D.: BK60168

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 04, 2016
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 04, 2016

FOR: Attn: Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		02/02/16	13:36
Location Code:	TRC-PCB	Received by:	SW	02/02/16	14:30
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120-0010-00003				

Laboratory Data

SDG ID: GBK60167
Phoenix ID: BK60169

Project ID: TOWN OF SUFFIELD
Client ID: 3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				02/02/16	QQ/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1254	1.3	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	02/03/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	2	02/03/16	AW	30 - 150 %
% TCMX	72		%	2	02/03/16	AW	30 - 150 %

Project ID: TOWN OF SUFFIELD
Client ID: 3

Phoenix I.D.: BK60169

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 04, 2016
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

February 04, 2016

QA/QC Data

SDG I.D.: GBK60167

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 333245 (ug), QC Sample No: BK57461 2X (BK60167, BK60168, BK60169)										
Polychlorinated Biphenyl										
PCB-1016	ND	1.0	84	94	11.2				40 - 140	30
PCB-1221	ND	1.0							40 - 140	30
PCB-1232	ND	1.0							40 - 140	30
PCB-1242	ND	1.0							40 - 140	30
PCB-1248	ND	1.0							40 - 140	30
PCB-1254	ND	1.0							40 - 140	30
PCB-1260	ND	1.0	86	94	8.9				40 - 140	30
PCB-1262	ND	1.0							40 - 140	30
PCB-1268	ND	1.0							40 - 140	30
% DCBP (Surrogate Rec)	83	%	76	85	11.2				30 - 150	30
% TCMX (Surrogate Rec)	60	%	57	68	17.6				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
February 04, 2016

Thursday, February 04, 2016

Sample Criteria Exceedences Report

GBK60167 - TRC-PCB

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: TOWN OF SUFFIELD **Project Number:**

Laboratory Sample ID(s): BK60167, BK60168, BK60169

Sampling Date(s): 2/2/2016

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

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.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
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 (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
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 ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #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 providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Thursday, February 04, 2016

Printed Name: Ethan Lee

Position: Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

February 04, 2016

SDG I.D.: GBK60167

Temperature above 6C:
The samples were received in a cooler with ice packs. The samples were delivered to the Laboratory within a short period of time after sample collection. Therefore no significant bias is suspected.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 02/03/16-1 (BK60167, BK60168, BK60169)

The initial calibration (PC1229AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1229BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 2/3/2016

QC Comments: QC Batch 333245 01/26/16 (BK60167, BK60168, BK60169)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

---------- Sample No: BK57461, QA/QC Batch: 333245 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 7C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

February 04, 2016

SDG I.D.: GBK60167

TWC
1P

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

PROJECT NUMBER	PROJECT NAME	PARAMETERS	LAB ID #.
223120-0010-00003	Town of Suffield Kent Memorial Library		TURNAROUND TIME: X X 24hr 48hr 3day 5day / 24hr 48hr 3day 5day
SIGNATURE	INSPECTOR		
Bryce	Bryce Aston		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	8260 / 3540C					NOTES
1	2/2/16	1330		X	South west window s.11	X		601	67		South west Window s.11 100cm
2	↓	1334		X	duplicate SW window s.11	X		601	68		" " duplicate
3	↓	1336		X	South east Window s.11	X		601	69		Southeast Window s.11 100cm

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Bryce	2/2/16	TFC	1430		
(Printed) Bryce Aston	Time:	(Printed)	(Printed)	Time:	(Printed)

Remarks: Results to Henry Calibente HCalibente@TRCsolutions.com

PHOENIX
Environmental Laboratories, Inc.

Friday, February 19, 2016

Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: KENT MEMORIAL LIBRARY
Sample ID#s: BK66718 - BK66719

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 19, 2016

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		02/17/16	9:12
Location Code:	TRC-PCBDAS	Received by:	B	02/17/16	18:03
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK66718
Phoenix ID: BK66718

Project ID: KENT MEMORIAL LIBRARY
Client ID: 2-17-16-JG-W1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				02/17/16	Q/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	92		%	2	02/18/16	AW	30 - 150 %
% TCMX	82		%	2	02/18/16	AW	30 - 150 %

Project ID: KENT MEMORIAL LIBRARY
Client ID: 2-17-16-JG-W1

Phoenix I.D.: BK66718

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 19, 2016
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 19, 2016

FOR: Attn: Mr. Henry Laliberte
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		02/17/16	9:15
Location Code:	TRC-PCBDAS	Received by:	B	02/17/16	18:03
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	223120				

Laboratory Data

SDG ID: GBK66718
Phoenix ID: BK66719

Project ID: KENT MEMORIAL LIBRARY
Client ID: 2-17-16-JG-W2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				02/17/16	Q/I	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	02/18/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	87		%	2	02/18/16	AW	30 - 150 %
% TCMX	77		%	2	02/18/16	AW	30 - 150 %

Project ID: KENT MEMORIAL LIBRARY
Client ID: 2-17-16-JG-W2

Phoenix I.D.: BK66719

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 19, 2016
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

February 19, 2016

QA/QC Data

SDG I.D.: GBK66718

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 334650 (ug), QC Sample No: BK63655 2X (BK66718, BK66719)										
Polychlorinated Biphenyl										
PCB-1016	ND	1.0	100	94	6.2				40 - 140	30
PCB-1221	ND	1.0							40 - 140	30
PCB-1232	ND	1.0							40 - 140	30
PCB-1242	ND	1.0							40 - 140	30
PCB-1248	ND	1.0							40 - 140	30
PCB-1254	ND	1.0							40 - 140	30
PCB-1260	ND	1.0	93	93	0.0				40 - 140	30
PCB-1262	ND	1.0							40 - 140	30
PCB-1268	ND	1.0							40 - 140	30
% DCBP (Surrogate Rec)	76	%	77	77	0.0				30 - 150	30
% TCMX (Surrogate Rec)	75	%	83	78	6.2				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
February 19, 2016

Friday, February 19, 2016

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBK66718 - TRC-PCBDAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: KENT MEMORIAL LIBRARY **Project Number:**

Laboratory Sample ID(s): BK66718, BK66719

Sampling Date(s): 2/17/2016

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

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.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
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 (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
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 ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #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 providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Friday, February 19, 2016

Printed Name: Ethan Lee

Position: Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

February 19, 2016

SDG I.D.: GBK66718

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd6 02/18/16-1 (BK66718, BK66719)

The initial calibration (PC0203AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC0203BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner
Position: Chemist
Date: 2/18/2016

QC Comments: QC Batch 334650 02/10/16 (BK66718, BK66719)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

---------- Sample No: BK63655, QA/QC Batch: 334650 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 4C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 °C Pg of

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: ~~hlaliberte~~ hlaliberte@trcsolutions.com

Customer: TRC
Address: 21 Griffin Rd N.
Windsor, CT 06095

Project: Kent Memorial Library
Report to: Henry Laliberte
Invoice to: same

Project P.O: 223120

USE CT DAS RATES

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 2/17/16

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	8082/3540	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	
66718	2-17-16-JG-W1	W	2/17/16	0912	X					X						100 cm²
66719	2-17-16-JG-W2	W	2/17/16	0915	X					X						BLANK

Relinquished by:	Accepted by:	Date:	Time:
[signature]	TRC	2/17/16	18:03

Comments, Special Requirements or Regulations:
2-17-16-JG-W1 taken on SE Ext. Granite Sill

Turnaround:
[X] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: CT

Data Format
[ ] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other

* SURCHARGE APPLIE

Appendix L

Wipe Sample Laboratory Results for Encapsulated Surfaces
January 2018

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

January 11, 2018

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A4E
Laboratory Work Order Number: 18A0128

Enclosed are results of analyses for samples received by the laboratory on January 5, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

Table of Contents

Table of Contents (continued)

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 1/11/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A4E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18A0128

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1.4 PB 01	18A0128-01	Wipe	low lvl lobby door ceiling	SW-846 8082A	
1.4 PB 02	18A0128-02	Wipe	low lvl lobby middle column - inside	SW-846 8082A	
1.4 PB 03	18A0128-03	Wipe	low lvl lobby south ceiling	SW-846 8082A	
1.4 PB 04	18A0128-04	Wipe	low lvl lobby north column - inside	SW-846 8082A	
1.4 PB 05	18A0128-05	Wipe	upper lvl south column - inside	SW-846 8082A	
1.4 PB 06	18A0128-06	Wipe	upper lvl south column - inside - dup	SW-846 8082A	
1.4 PB 07	18A0128-07	Wipe	upper lvl south ceiling	SW-846 8082A	
1.4 PB 08	18A0128-08	Wipe	intermediate lvl north column	SW-846 8082A	
1.4 PB 09	18A0128-09	Wipe	intermediate lvl north ceiling	SW-846 8082A	
1.4 PB 10	18A0128-10	Wipe	S. side door to exterior	SW-846 8082A	
1.4 PB 11	18A0128-11	Wipe	N. side door to exterior	SW-846 8082A	
1.4 PB 12	18A0128-12	Wipe	N. side wall @ window - east up lvl	SW-846 8082A	
1.4 PB 13	18A0128-13	Wipe	S. side wall @ window east up lvl	SW-846 8082A	
1.4 PB 14	18A0128-14	Wipe	N side ceiling at E wiondow up lvl	SW-846 8082A	
1.4 PB 15	18A0128-15	Wipe	S side ceiling at east window up lvl	SW-846 8082A	
1.4 PB 16	18A0128-16	Wipe	S side intermediate lvl ceiling - west	SW-846 8082A	
1.4 PB 17	18A0128-17	Wipe	S side intermediate lvl ceiling - east	SW-846 8082A	
1.4 PB 18	18A0128-18	Wipe	N. side W - granite sill - exterior	SW-846 8082A	
1.4 PB 19	18A0128-19	Wipe	N. side E - granite sill - Exterior	SW-846 8082A	
1.4 PB 20	18A0128-20	Wipe	S. side W granite sill Exterior	SW-846 8082A	
1.4 PB 21	18A0128-21	Wipe	S. Side E granite sill exterior	SW-846 8082A	
1.4 PB 22	18A0128-22	Wipe	N. Side w - soffit - exterior	SW-846 8082A	
1.4 PB 23	18A0128-23	Wipe	N. Side e - soffit - exterior	SW-846 8082A	
1.4 PB 24	18A0128-24	Wipe	s. Side w - soffit - exterior	SW-846 8082A	
1.4 PB 25	18A0128-25	Wipe	s. Side e - soffit - exterior	SW-846 8082A	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: low lvl lobby door ceiling Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 01 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1254 [2]	0.21	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 21:45	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.1	30-150		1/9/18 21:45
Decachlorobiphenyl [2]	90.6	30-150		1/9/18 21:45
Tetrachloro-m-xylene [1]	91.4	30-150		1/9/18 21:45
Tetrachloro-m-xylene [2]	87.0	30-150		1/9/18 21:45

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: low lvl lobby middle column - inside Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 02 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:03	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		1/9/18 22:03
Decachlorobiphenyl [2]	91.0	30-150		1/9/18 22:03
Tetrachloro-m-xylene [1]	91.6	30-150		1/9/18 22:03
Tetrachloro-m-xylene [2]	85.5	30-150		1/9/18 22:03

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: low lvl lobby south ceiling Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 03 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:22	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		1/9/18 22:22
Decachlorobiphenyl [2]	92.4	30-150		1/9/18 22:22
Tetrachloro-m-xylene [1]	93.1	30-150		1/9/18 22:22
Tetrachloro-m-xylene [2]	87.8	30-150		1/9/18 22:22

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: low lvl lobby north column - inside Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 04 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:39	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.3	30-150		1/9/18 22:39
Decachlorobiphenyl [2]	82.5	30-150		1/9/18 22:39
Tetrachloro-m-xylene [1]	82.0	30-150		1/9/18 22:39
Tetrachloro-m-xylene [2]	77.7	30-150		1/9/18 22:39

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: upper lvl south column - inside Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 05 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 22:58	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		1/9/18 22:58
Decachlorobiphenyl [2]	96.2	30-150		1/9/18 22:58
Tetrachloro-m-xylene [1]	95.7	30-150		1/9/18 22:58
Tetrachloro-m-xylene [2]	90.2	30-150		1/9/18 22:58

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: upper lvl south column - inside - dup Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 06 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:16	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		1/9/18 23:16
Decachlorobiphenyl [2]	97.5	30-150		1/9/18 23:16
Tetrachloro-m-xylene [1]	98.8	30-150		1/9/18 23:16
Tetrachloro-m-xylene [2]	92.9	30-150		1/9/18 23:16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: upper lvl south ceiling Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 07 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1254 [1]	1.0	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:34	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		1/9/18 23:34
Decachlorobiphenyl [2]	91.6	30-150		1/9/18 23:34
Tetrachloro-m-xylene [1]	91.9	30-150		1/9/18 23:34
Tetrachloro-m-xylene [2]	87.1	30-150		1/9/18 23:34

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: intermediate lvl north column Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 08 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 23:53	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		1/9/18 23:53
Decachlorobiphenyl [2]	92.8	30-150		1/9/18 23:53
Tetrachloro-m-xylene [1]	94.2	30-150		1/9/18 23:53
Tetrachloro-m-xylene [2]	88.7	30-150		1/9/18 23:53

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT | Sample Description: intermediate lvl north ceiling | Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 09 | Sampled: 1/4/2018 00:00

Sample ID: 18A0128-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1254 [1]	0.53	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:11	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		1/10/18 0:11
Decachlorobiphenyl [2]	94.0	30-150		1/10/18 0:11
Tetrachloro-m-xylene [1]	95.9	30-150		1/10/18 0:11
Tetrachloro-m-xylene [2]	90.6	30-150		1/10/18 0:11

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S. side door to exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 10 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 0:29	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		1/10/18 0:29
Decachlorobiphenyl [2]	91.3	30-150		1/10/18 0:29
Tetrachloro-m-xylene [1]	90.3	30-150		1/10/18 0:29
Tetrachloro-m-xylene [2]	85.9	30-150		1/10/18 0:29

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. side door to exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 11 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		1/10/18 1:38
Decachlorobiphenyl [2]	93.2	30-150		1/10/18 1:38
Tetrachloro-m-xylene [1]	92.4	30-150		1/10/18 1:38
Tetrachloro-m-xylene [2]	87.4	30-150		1/10/18 1:38

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. side wall @ window - east up lvl Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 12 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 1:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.8	30-150		1/10/18 1:56
Decachlorobiphenyl [2]	87.9	30-150		1/10/18 1:56
Tetrachloro-m-xylene [1]	88.1	30-150		1/10/18 1:56
Tetrachloro-m-xylene [2]	82.9	30-150		1/10/18 1:56

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S. side wall @ window east up lvl Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 13 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-13

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:14	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		1/10/18 2:14
Decachlorobiphenyl [2]	93.5	30-150		1/10/18 2:14
Tetrachloro-m-xylene [1]	94.5	30-150		1/10/18 2:14
Tetrachloro-m-xylene [2]	88.3	30-150		1/10/18 2:14

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT | Sample Description: N side ceiling at E wiondow up lvl | Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 14 | Sampled: 1/4/2018 00:00

Sample ID: 18A0128-14

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1254 [1]	0.88	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		1/10/18 2:32
Decachlorobiphenyl [2]	91.2	30-150		1/10/18 2:32
Tetrachloro-m-xylene [1]	92.2	30-150		1/10/18 2:32
Tetrachloro-m-xylene [2]	87.5	30-150		1/10/18 2:32

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S side ceiling at east window up lvl Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 15 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-15

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1254 [1]	1.3	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 2:51	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		1/10/18 2:51
Decachlorobiphenyl [2]	94.0	30-150		1/10/18 2:51
Tetrachloro-m-xylene [1]	98.4	30-150		1/10/18 2:51
Tetrachloro-m-xylene [2]	91.8	30-150		1/10/18 2:51

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S side intermediate lvl ceiling - west Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 16 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-16

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1254 [1]	0.26	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:09	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	87.0	30-150		1/10/18	3:09
Decachlorobiphenyl [2]	79.1	30-150		1/10/18	3:09
Tetrachloro-m-xylene [1]	79.5	30-150		1/10/18	3:09
Tetrachloro-m-xylene [2]	75.5	30-150		1/10/18	3:09

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S side intermediate lvl ceiling - east Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 17 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-17

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1254 [1]	0.30	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/10/18 3:27	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.2	30-150		1/10/18 3:27
Decachlorobiphenyl [2]	89.0	30-150		1/10/18 3:27
Tetrachloro-m-xylene [1]	90.8	30-150		1/10/18 3:27
Tetrachloro-m-xylene [2]	85.4	30-150		1/10/18 3:27

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. side W - granite sill - exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 18 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-18

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1221 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1232 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1242 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1248 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1254 [2]	24	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1260 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1262 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL
Aroclor-1268 [2]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:18	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	132	30-150		1/10/18 8:18
Decachlorobiphenyl [2]	126	30-150		1/10/18 8:18
Tetrachloro-m-xylene [1]	114	30-150		1/10/18 8:18
Tetrachloro-m-xylene [2]	117	30-150		1/10/18 8:18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. side E - granite sill - Exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 19 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-19

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1221 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1232 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1242 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1248 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1254 [1]	22	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1260 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1262 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL
Aroclor-1268 [2]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 8:31	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	121	30-150		1/10/18 8:31	
Decachlorobiphenyl [2]	114	30-150		1/10/18 8:31	
Tetrachloro-m-xylene [1]	103	30-150		1/10/18 8:31	
Tetrachloro-m-xylene [2]	103	30-150		1/10/18 8:31	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S. side W granite sill Exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 20 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-20

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1221 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1232 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1242 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1248 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1254 [2]	29	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1260 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1262 [1]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL
Aroclor-1268 [2]	ND	4.0	µg/100 cm2	20		SW-846 8082A	1/5/18	1/10/18 8:45	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	121	30-150		1/10/18 8:45
Decachlorobiphenyl [2]	117	30-150		1/10/18 8:45
Tetrachloro-m-xylene [1]	103	30-150		1/10/18 8:45
Tetrachloro-m-xylene [2]	107	30-150		1/10/18 8:45

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: S. Side E granite sill exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 21 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-21

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1254 [2]	1.8	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:00	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		1/9/18 17:00
Decachlorobiphenyl [2]	97.9	30-150		1/9/18 17:00
Tetrachloro-m-xylene [1]	95.9	30-150		1/9/18 17:00
Tetrachloro-m-xylene [2]	101	30-150		1/9/18 17:00

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. Side w - soffit - exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 22 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-22

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1221 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1232 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1242 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1248 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1254 [1]	8.9	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1260 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1262 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL
Aroclor-1268 [1]	ND	2.0	µg/100 cm2	10		SW-846 8082A	1/5/18	1/10/18 10:02	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		1/10/18 10:02
Decachlorobiphenyl [2]	109	30-150		1/10/18 10:02
Tetrachloro-m-xylene [1]	106	30-150		1/10/18 10:02
Tetrachloro-m-xylene [2]	110	30-150		1/10/18 10:02

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: N. Side e - soffit - exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 23 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-23

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 17:35	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.7	30-150		1/9/18 17:35
Decachlorobiphenyl [2]	97.1	30-150		1/9/18 17:35
Tetrachloro-m-xylene [1]	95.2	30-150		1/9/18 17:35
Tetrachloro-m-xylene [2]	101	30-150		1/9/18 17:35

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: s. Side w - soffit - exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 24 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-24

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1221 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1232 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1242 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1248 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1254 [1]	4.9	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1260 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1262 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL
Aroclor-1268 [1]	ND	1.0	µg/100 cm2	5		SW-846 8082A	1/5/18	1/10/18 10:15	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.2	30-150		1/10/18 10:15
Decachlorobiphenyl [2]	101	30-150		1/10/18 10:15
Tetrachloro-m-xylene [1]	102	30-150		1/10/18 10:15
Tetrachloro-m-xylene [2]	104	30-150		1/10/18 10:15

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: s. Side e - soffit - exterior Work Order: 18A0128

Date Received: 1/5/2018

Field Sample #: 1.4 PB 25 Sampled: 1/4/2018 00:00

Sample ID: 18A0128-25

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	1/5/18	1/9/18 18:11	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.1	30-150		1/9/18 18:11
Decachlorobiphenyl [2]	106	30-150		1/9/18 18:11
Tetrachloro-m-xylene [1]	107	30-150		1/9/18 18:11
Tetrachloro-m-xylene [2]	113	30-150		1/9/18 18:11

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
18A0128-01 [1.4 PB 01]	B194441	1.00	10.0	01/05/18
18A0128-02 [1.4 PB 02]	B194441	1.00	10.0	01/05/18
18A0128-03 [1.4 PB 03]	B194441	1.00	10.0	01/05/18
18A0128-04 [1.4 PB 04]	B194441	1.00	10.0	01/05/18
18A0128-05 [1.4 PB 05]	B194441	1.00	10.0	01/05/18
18A0128-06 [1.4 PB 06]	B194441	1.00	10.0	01/05/18
18A0128-07 [1.4 PB 07]	B194441	1.00	10.0	01/05/18
18A0128-08 [1.4 PB 08]	B194441	1.00	10.0	01/05/18
18A0128-09 [1.4 PB 09]	B194441	1.00	10.0	01/05/18
18A0128-10 [1.4 PB 10]	B194441	1.00	10.0	01/05/18
18A0128-11 [1.4 PB 11]	B194441	1.00	10.0	01/05/18
18A0128-12 [1.4 PB 12]	B194441	1.00	10.0	01/05/18
18A0128-13 [1.4 PB 13]	B194441	1.00	10.0	01/05/18
18A0128-14 [1.4 PB 14]	B194441	1.00	10.0	01/05/18
18A0128-15 [1.4 PB 15]	B194441	1.00	10.0	01/05/18
18A0128-16 [1.4 PB 16]	B194441	1.00	10.0	01/05/18
18A0128-17 [1.4 PB 17]	B194441	1.00	10.0	01/05/18
18A0128-18 [1.4 PB 18]	B194441	1.00	10.0	01/05/18
18A0128-19 [1.4 PB 19]	B194441	1.00	10.0	01/05/18
18A0128-20 [1.4 PB 20]	B194441	1.00	10.0	01/05/18

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
18A0128-21 [1.4 PB 21]	B194456	1.00	10.0	01/05/18
18A0128-22 [1.4 PB 22]	B194456	1.00	10.0	01/05/18
18A0128-23 [1.4 PB 23]	B194456	1.00	10.0	01/05/18
18A0128-24 [1.4 PB 24]	B194456	1.00	10.0	01/05/18
18A0128-25 [1.4 PB 25]	B194456	1.00	10.0	01/05/18

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B194441 - SW-846 3540C										
Blank (B194441-BLK1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	ND	0.20	µg/100 cm2							
Aroclor-1016 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1221	ND	0.20	µg/100 cm2							
Aroclor-1221 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1232	ND	0.20	µg/100 cm2							
Aroclor-1232 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1242	ND	0.20	µg/100 cm2							
Aroclor-1242 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1248	ND	0.20	µg/100 cm2							
Aroclor-1248 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1254	ND	0.20	µg/100 cm2							
Aroclor-1254 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1260	ND	0.20	µg/100 cm2							
Aroclor-1260 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1262	ND	0.20	µg/100 cm2							
Aroclor-1262 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1268	ND	0.20	µg/100 cm2							
Aroclor-1268 [2C]	ND	0.20	µg/100 cm2							
Surrogate: Decachlorobiphenyl	*2.06*		µg/100 cm2	2.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.87*		µg/100 cm2	2.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/100 cm2	2.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.71*		µg/100 cm2	2.00		85.7	30-150			
LCS (B194441-BS1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	0.51	0.20	µg/100 cm2	0.500		103	40-140			
Aroclor-1016 [2C]	0.50	0.20	µg/100 cm2	0.500		100	40-140			
Aroclor-1260	0.52	0.20	µg/100 cm2	0.500		104	40-140			
Aroclor-1260 [2C]	0.52	0.20	µg/100 cm2	0.500		104	40-140			
Surrogate: Decachlorobiphenyl	*2.15*		µg/100 cm2	2.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.97*		µg/100 cm2	2.00		98.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.94*		µg/100 cm2	2.00		97.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.84*		µg/100 cm2	2.00		92.1	30-150			
LCS Dup (B194441-BSD1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	0.48	0.20	µg/100 cm2	0.500		96.2	40-140	6.38	30	
Aroclor-1016 [2C]	0.50	0.20	µg/100 cm2	0.500		100	40-140	0.206	30	
Aroclor-1260	0.51	0.20	µg/100 cm2	0.500		102	40-140	2.23	30	
Aroclor-1260 [2C]	0.51	0.20	µg/100 cm2	0.500		101	40-140	2.46	30	
Surrogate: Decachlorobiphenyl	*2.12*		µg/100 cm2	2.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.94*		µg/100 cm2	2.00		96.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.91*		µg/100 cm2	2.00		95.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.80*		µg/100 cm2	2.00		90.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B194456 - SW-846 3540C										
Blank (B194456-BLK1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	ND	0.20	µg/100 cm2							
Aroclor-1016 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1221	ND	0.20	µg/100 cm2							
Aroclor-1221 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1232	ND	0.20	µg/100 cm2							
Aroclor-1232 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1242	ND	0.20	µg/100 cm2							
Aroclor-1242 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1248	ND	0.20	µg/100 cm2							
Aroclor-1248 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1254	ND	0.20	µg/100 cm2							
Aroclor-1254 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1260	ND	0.20	µg/100 cm2							
Aroclor-1260 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1262	ND	0.20	µg/100 cm2							
Aroclor-1262 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1268	ND	0.20	µg/100 cm2							
Aroclor-1268 [2C]	ND	0.20	µg/100 cm2							
Surrogate: Decachlorobiphenyl	*1.83*		µg/100 cm2	2.00		91.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.98*		µg/100 cm2	2.00		98.9	30-150			
Surrogate: Tetrachloro-m-xylene	*2.01*		µg/100 cm2	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.08*		µg/100 cm2	2.00		104	30-150			
LCS (B194456-BS1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	0.56	0.20	µg/100 cm2	0.500		112	40-140			
Aroclor-1016 [2C]	0.55	0.20	µg/100 cm2	0.500		109	40-140			
Aroclor-1260	0.54	0.20	µg/100 cm2	0.500		109	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/100 cm2	0.500		101	40-140			
Surrogate: Decachlorobiphenyl	*1.93*		µg/100 cm2	2.00		96.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.11*		µg/100 cm2	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*2.01*		µg/100 cm2	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.10*		µg/100 cm2	2.00		105	30-150			
LCS Dup (B194456-BSD1)				Prepared: 01/05/18 Analyzed: 01/09/18						
Aroclor-1016	0.57	0.20	µg/100 cm2	0.500		114	40-140	2.50	30	
Aroclor-1016 [2C]	0.52	0.20	µg/100 cm2	0.500		104	40-140	5.43	30	
Aroclor-1260	0.54	0.20	µg/100 cm2	0.500		109	40-140	0.0937	30	
Aroclor-1260 [2C]	0.48	0.20	µg/100 cm2	0.500		96.2	40-140	5.26	30	
Surrogate: Decachlorobiphenyl	*1.75*		µg/100 cm2	2.00		87.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.91*		µg/100 cm2	2.00		95.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.91*		µg/100 cm2	2.00		95.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.98*		µg/100 cm2	2.00		99.2	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

07

Lab Sample ID: 18A0128-07

Date(s) Analyzed: 01/09/2018 01/09/2018

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	0.91	9.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

09

Lab Sample ID: 18A0128-09 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.51	3.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

14

Lab Sample ID: 18A0128-14

Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.82	7.1

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

15

Lab Sample ID: 18A0128-15 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.2	8.0

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

16

Lab Sample ID: 18A0128-16 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.26	
	2	0.000	0.000	0.000	0.26	0.0

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

17

Lab Sample ID: 18A0128-17 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.30	
	2	0.000	0.000	0.000	0.30	0.0

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

18

Lab Sample ID: 18A0128-18

Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	23	
	2	0.000	0.000	0.000	24	4.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

19

Lab Sample ID: 18A0128-19 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	22	
	2	0.000	0.000	0.000	20	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20

Lab Sample ID: 18A0128-20 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	27	
	2	0.000	0.000	0.000	29	7.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

21

Lab Sample ID: 18A0128-21

Date(s) Analyzed: 01/09/2018 01/09/2018

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.8	18.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

22

Lab Sample ID: 18A0128-22 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	8.9	
	2	0.000	0.000	0.000	8.5	4.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

24

Lab Sample ID: 18A0128-24 Date(s) Analyzed: 01/10/2018 01/10/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	4.9	
	2	0.000	0.000	0.000	4.6	6.3

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

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Doc #378 Rev 1_03242017

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Field	Value
Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd
Phone:	1-860-646-2469
Project Name:	Kent Library
Project Location:	50 North Main ST Suffield CT
Project Number:	20151259.A4F
Project Manager:	Bob May
Con-Test Quote Name/Number:	
Invoice Recipient:	Sam Owens S.owens@fando.com
Sampled By:	Paul Bateman

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: 1-888-838-1160
Fax To #: kredfield@fando.com

ANALYSIS REQUESTED: Soxhlet 8082 PCB

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Area	Matrix Code	Volume Liters / m³	Soxhlet 8082 PCB	Initial Pressure ("Hg)	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
1 1.4 PB	01 Low lvl lobby Door Ceiling				100 cm²	Wipe		X					
2 1.4 PB	02 Low lvl lobby middle column - Nick				↓	↓		X					
3 1.4 PB	03 Low lvl lobby south Ceiling				↓	↓		X					
4 1.4 PB	04 Low lvl lobby North column - Nick				↓	↓		X					
5 1.4 PB	05 Upper level South column - Nick				↓	↓		X					
6 1.4 PB	06 Upper level South Column - N. side - Dup				↓	↓		X					
7 1.4 PB	07 Upper lvl south Ceiling				↓	↓		X					
8 1.4 PB	08 Intermediate lvl North column				↓	↓		X					
9 1.4 PB	09 Intermediate lvl North Ceiling				↓	↓		X					

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Signature	Date/Time
Relinquished by: (signature) Paul Bateman	1/5/18
Received by: (signature) [signature] 2.6 PB	1/5/18 1632
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other

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Project Entity
☐ Government ☒ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 3

Company Name:	Fuss & O'Neill EnviroScience
Address:	146 Hartford Rd
Phone:	1-860-646-2469
Project Name:	Kent Library
Project Location:	50 North Main ST Suffield CT
Project Number:	20151259. [illegible] AYE
Project Manager:	Bob May
Con-Test Quote Name/Number:	
Invoice Recipient:	Sam Owens S.owens@fando.com
Sampled By:	Paul Bateman

Requested Turnaround Time
- 7-Day ☐ 10-Day ☒
- Due Date:

Rush-Approval Required
- 1-Day ☐ 3-Day ☐
- 2-Day ☐ 4-Day ☐

Data Delivery
- Format: PDF ☒ EXCEL ☐
- Other:
- CLP Like Data Pkg Required: ☐
- Email To: 1-888-838-1160
- Fax To #: Kredfield@fando.com

ANALYSIS REQUESTED: Soxhlet 8082 PCB; Initial Pressure; Final Pressure; Lab Receipt Pressure (" Hg)

Con-Test Work Order# (Lab Use)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Area	Matrix Code	Volume Liters/m³	Soxhlet 8082 PCB	Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	1.4PB 10 S side Door to exterior Jamb				100 cm²	Wipe		X					
11	11 N. Side Door to exterior Jamb				↓	↓		X					
12	12 N side wall @ window - East u lvl				↓	↓		X					
13	13 S side wall @ window East u lvl				↓	↓		X					
14	14 N side ceiling at E window u lvl				↓	↓		X					
15	15 S. side ceiling at East [illegible] up lvl				↓	↓		X					
16	16 S side intermediate lvl Ceiling - West				↓	↓		X					
17	17 S side intermediate lvl - Ceiling East				↓	↓		X					
18	18 N side W - granite sill - exterior N				↓	↓		X					

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:

Paul Bateman

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
- SG = SOIL GAS
- IA = INDOOR AIR
- AMB = AMBIENT
- SS = SUB SLAB
- D = DUP
- BL = BLANK
- O = Other______

Signature	Date/Time
Relinquished by: (signature) Paul B[illegible]	1/5/18
Received by: (signature) [signature] 2.6 PB	1/5/18 1632
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
- MA
- CT
- Other:

Special Requirements
- ☐ MA MCP Required
- MCP Certification Form Required
- ☐ CT RCP Required
- RCP Certification Form Required
- ☐ Other

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Project Entity
- ☐ Government ☒ Municipality ☐ MWRA ☐ WRTA
- ☐ Federal ☐ 21 J ☐ School
- ☐ City ☐ Brownfield ☐ MBTA

Other
- ☐ Chromatogram
- ☐ AIHA-LAP,LLC

PCB ONLY
- ☒ Soxhlet
- ☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD (AIR)

Doc #378 Rev 1_03242017

39 Spruce Street
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Company Name: Fuss & O'Neill EnviroScience
Address: 146 Hartford Rd
Phone: 1-860-646-2469
Project Name: Kent Library
Project Location: 50 North Main ST Suffield CT
Project Number: 20151259. ~~A3E~~ A4E
Project Manager: Bob May
Con-Test Quote Name/Number:
Invoice Recipient: Sam Owen S.owen@fando.com
Sampled By: Paul Bateman

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: 1-888-838-1160
Fax To #: Hredfield@fando.com

ANALYSIS REQUESTED: Soxhlet 8082 PCB

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	Area (100 cm²)	Matrix Code	Volume Liters / m³	Soxhlet 8082 PCB				Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
19	1-4PB 19 N-side E - granite sill - Exterior					Wipe		X								
20	20 S-side W granite sill Exterior							X								
21	21 S-side E granite sill Exterior							X								
22	22 N side W - soffit - Exterior							X								
23	23 N side E - soffit - Exterior							X								
24	24 S side W soffit Exterior							X								
25	25 S side E. soffit Exterior				↓	↓		X								

" Hg

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:
Paul Bateman

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
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SS = SUB SLAB
D = DUP
BL = BLANK
O = Other______

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Received by: (signature) [signature] 2.6 PB	Date/Time: 1/5/18 1632
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fuss & O'Neill

Received By JM Date 1/5/18 Time 1632

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C SS T By Gun # 557 Actual Temp - 2.6
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? _____
Are there Rushes? N/A Who was notified? _____
Are there Short Holds? N/A Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	25
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Appendix M

Technical Specifications for PCB Abatement and Remediation

SECTION 02 84 34 – POLYCHORINATED BIPHENYL REMEDIATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. General Provisions of Contract, including General Supplementary Conditions shall apply to this Section.

B. Section 02 82 13 Asbestos Abatement

C. Section 07 92 00 Joint Sealers

D. Section 09 90 00 Paints and Coatings

E. All Division 22, 23, 26, 27, and 28 Sections for coordination of protections for required abatement.

1.2 CONSULTANT

A. The Owner shall retain a Consultant for the purposes of project management and monitoring during Polychlorinated Biphenyl (PCB) Remediation. The Consultant will represent the Owner in all phases of the abatement project at the discretion of the Owner. The PCB Abatement Contractor, Asbestos Abatement Contractor, (collectively the "Contractor") shall regard the Consultant's direction as authoritative and binding as provided herein, in matters particularly, but not limited to the following:

1. Work area approval
2. Monitoring results review
3. Various segments of work completion
4. Abatement final completion
5. Data submission review
6. Daily field punch list items

1.3 SCOPE OF WORK

A. Coordinate all work to protect existing electrical, data, plumbing, and fire protection equipment temporarily removed prior to abatement work. All materials to be temporarily supported shall be protected from damage and wrapped as necessary to seal during required abatement work. This shall include but not be limited to sealing of all equipment which remains in areas of abatement such as on walls, ceilings, and floors which are either mounted or disconnected and temporarily supported. Any openings created by removing items and fixtures shall be properly sealed and protected.

B. Work outlined in this Section includes all work necessary for the removal and disposal of the greater than or equal to (≥) 50 parts per million (ppm) PCB-containing material (PCB

Bulk Product Waste) as well as removal of materials containing > 1ppm but < 50 ppm PCB Waste materials for disposal as Connecticut Department of Energy and Environmental Protection (DEEP) waste materials. Work shall include encapsulation methods for porous surfaces upon removal of products and for coating of column and wall surfaces. See Related Sections for Paints and Coating products.

C. The Work of this Section includes the following:

1. Site preparation and controls to facilitate remediation of PCB Bulk Product Waste and PCB Containing Wastes. Containment procedures for materials referenced for the abatement zone must be utilized for PCB Bulk Product Waste and PCB Containing Wastes removal.
2. Health and Safety in accordance with Occupational Safety and Health Administration (OSHA) requirements.
3. Removal and disposal of interior caulking compounds at roof monitors as presumed PCB Bulk Product Waste. Upon completion encapsulate entire depth of joint and two inches on each side of joint with epoxy primer and finish coat. Install new caulk in accordance with section 07 92 00 for Joint Sealers.
4. Remove existing vinyl cove base and associated mastic adhesive as PCB Containing Waste < 50 ppm.
5. Remove existing 12 x 12 floor tile and associated mastic adhesives as PCB Containing Waste < 50 ppm. Materials also contain asbestos and work shall be coordinated with Section 02 82 13 for Asbestos Abatement.
6. Remove existing 2 x 2 ceiling tiles and associated glue daubs as PCB Containing Waste < 50 ppm. Materials also contain asbestos and work shall be coordinated with Section 02 82 13 for Asbestos Abatement.
7. Removal of all paints and sealants from existing ceilings and concrete beams associated with coffered ceiling systems throughout the facility. All waste materials from paint removal shall be considered PCB Bulk Product Waste for disposal. Ceiling tile and associated glue daubs shall be disposed of as asbestos and PCB Containing Waste <50 ppm.
8. All wood parquet style wood floors shall be removed and disposed. Materials contain >1 ppm in the sealant coating on floors and also > 1 ppm in mastics associated with wood. All wood materials shall be disposed of as PCB Containing Waste< 50 ppm.
9. All porous concrete floor surfaces shall be stripped of sealant coatings and mastics to substrate. Note carpet shall be removed for disposal prior to stripping of concrete floors. Sealant contains PCBs < 50 ppm and all removed carpet, stripping debris and dust shall be disposed of as PCB Containing Waste.
10. Auditorium porous brick floor surfaces shall be removed in their entirety including mortar due to the presence of sealants containing PCBs. Carpeting shall be removed from entire room. Sealants contains PCBs < 50 ppm and all removed brick, mortar, debris and dust shall be disposed of as PCB Containing Waste <50 ppm.
11. Entire ceilings and beams shall be cleaned of all surface dust and completely encapsulated with an epoxy primer sealer and epoxy finish coating.
12. All painted interior wall and columns (concrete, concrete block and brick) shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating.

13. Mechanical room ceiling shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating.
14. Roof monitor ceilings and concrete beams shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating. Includes all painted surfaces within interior of roof monitors including top side of coffered ceilings.
15. The Abatement Contractor shall conduct surface encapsulation of all existing porous surfaces on the exterior of the building where previous applications have been utilized. This includes concrete and granite sills. Existing acrylic products utilized shall be stripped to facilitate new product. The Abatement Contractor shall install a two-part epoxy product. A total of two coats are proposed as recommended by manufacturer's requirements.
16. One interior location at Lower level south window head at ceiling shall be re-encapsulated with existing single coat of acrylic product as recommended by manufacturer's requirements.
17. Removal, packaging, transportation, and disposal of containment, personal protection equipment (PPE), cleaning materials and supplies, and waste generated during removal of PCB Bulk Product Waste as PCB Remediation Waste at a facility permitted to accept PCB Remediation Waste.
18. Cleaning of the work areas following complete removal of PCB Bulk Product Waste PCB Containing Waste and PCB Remediation Waste.
19. Recordkeeping and distribution as required in accordance with EPA Title 40 CFR, Part 761.125 (c)(5).

1.4 USE OF THE CONTRACT DOCUMENTS

A. All work shall comply with the Contract Documents and with applicable codes, laws, regulations, and ordinances wherever applicable. The most stringent of all the foregoing shall govern the Work.

B. It is not intended that the Specifications show every detail of the Work, but the Contractor shall be required to furnish within the Contract Sum all materials and labor necessary for the completion of the Work in accordance with the intent of the Specifications.

C. In case of ambiguity among the Contract documents, the more stringent requirement as determined by the Consultant shall prevail.

D. The Work of this Contract includes making modifications as necessary, subject to approval by Owner in consultation with the Consultant, to correct any conflicts between Contract Documents.

E. All items, not specifically mentioned in the Specifications, but implied by trade practices to complete the Work, shall be included.

1.5 SITE EXAMINATION

A. It is understood that the Contractor has examined the Site and made their own estimates of the Site facilities and difficulties attending the execution of the Work, and has based their bid price thereon.

B. It shall be incumbent upon the Contractor to visit the Site and determine what exists, its condition, and what will be required to accomplish the Work intended by the Contract Documents. No increase in the Contract Sum will be permitted as a result of the Contractor's failure to visit the Site and understand the existing conditions.

C. Except for unforeseeable concealed conditions as determined by the Consultant, the Contractor shall make no claim for additional cost due to the existing Site conditions.

1.6 CONTRACTOR QUALIFICATIONS

A. All bidders shall submit a record of prior experience in PCB abatement projects, listing no less than three completed projects in the past year, with all projects of similar size and scope. The Contractor shall list the experience and training of the project supervisor and all on-site personnel. The information to be included is as follows:

1. Project Name and Address
2. Owner's Name and Address
3. Architect/Consultant
4. Contract Amount
5. Date of Completion
6. Extras and Changes

B. Submit a written statement regarding whether the Contractor has ever been cited for non-compliance with federal or state regulations pertaining to worker protection, removal, transport, or disposal related to PCBs or other hazardous materials.

1.7 CONSTRUCTION PROGRESS SCHEDULE

A. To assure adequate planning and execution of the Work and to assist the Consultant in reviewing the justification for the Contractor's applications for payment, the Contractor shall prepare and maintain a detailed Progress Schedule.

B. The Contractor shall supervise and direct all work of theirs and other trades using their best skill and attention. The Contractor shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the Work under the Contract.

C. Due to the nature of this construction work, the scheduling or phasing of work under this Contract may be adjusted by the Owner. As long as the scope of work is not altered, adjustments to the project phasing shall have no effect on the contract price.

D. The Contractor and any Subcontractors shall attend a pre-construction meeting. The assigned Supervisor must attend this meeting.

1.8 TESTING LABORATORY SERVICES

A. The Contractor shall submit to the Consultant the name, address, and qualifications of proposed laboratories intended to be utilized for sample analysis, as required by this Section.

1.9 ADDITIONAL GENERAL REQUIREMENTS

A. The Contractor shall employ a competent Supervisor with at least three years of experience on projects of similar scope and magnitude, who shall be responsible for all work involving PCB abatement, as described in this Specification, and defined in applicable regulations, and have full-time daily supervision of the same. The Supervisor shall be the competent person as defined by OSHA regulations.

B. The Contractor shall furnish all labor, materials, facilities, equipment, installation services, employee training, permits, licenses, certifications, agreements, and incidentals necessary to perform the specified work. Work shall be performed in accordance with the Contract Documents, the latest regulations from OSHA, the United State Environmental Protection Agency (EPA), and all other applicable federal, state, and local agencies. Whenever the requirements of the above references conflict or overlap, the more stringent provision shall apply.

C. All project personnel engaged in the work covered under this section shall be trained in accordance with OSHA Title 29 CFR, Parts 1910.1000 and 1910.1200.

D. This Section specifies the procedures for removal of an existing material containing PCBs in the form of interior caulk and paints as PCB Bulk Product Waste and waste materials containing PCBs < 50 ppm as Connecticut Department of Energy and Environmental Protection (CTDEEP) regulated waste materials. Note that these materials may also contain > 1% asbestos.

E. This Section also specifies the procedures for removal of containment, PPE, cleaning materials and supplies, and waste generated during removal of PCB Bulk Product Waste and PCB Containing waste materials for disposal of containment, PPE, cleaning materials and supplies, and waste generated during removal as PCB Remediation Waste.

F. Subsequent cleaning of all adjacent surfaces upon completion of Work is also included in this Section.

G. Disturbance or removal of PCB-containing material may cause a health hazard to workers and building occupants. The Contractor shall disclose to workers, supervisory personnel, sub-contractors, and consultants who will be at the Site of the seriousness of the hazard and proper work procedures that must be followed.

H. During performance of the Work, workers, supervisory personnel, Subcontractors, or consultants who may encounter, disturb, or otherwise function in the immediate vicinity of the PCB-containing material, shall take continuous measures as necessary to protect workers from the hazard of exposure. Such measures shall include the procedures and

methods described in this Section, OSHA regulations, EPA regulations, and local requirements, as applicable.

I. If requested or required by local, state, federal, and any other authorities having jurisdiction over such work, the Contractor shall allow the Work of this Contract to be inspected. The Contractor shall immediately notify the Owner and the Consultant, and shall maintain written evidence of such inspection for review by the Owner and the Consultant.

J. The Contractor shall incur the cost of all fines resulting from regulatory non-compliance, as issued by federal, state, and local agencies. The Contractor shall incur the cost of all work requirements mandated by federal, state, and local agencies as a result of regulatory non-compliance, or negligence.

K. The Contractor shall immediately notify the Owner and Consultant of the delivery of all permits, licenses, certificates of inspection, of approval, or occupancy, etc., and any other such instruments required under codes by authorities having jurisdiction, regardless of who issued, and shall cause them to be displayed to the Owner and Consultant for verification and recording.

1.10 PROJECT DESCRIPTION

A. The base bid includes the removal, packaging, transporting, and disposal of the PCB Bulk Product Waste and PCB Containing Waste as identified herein, conducted by workers in accordance with OSHA, EPA, and CTDEEP regulations. The base bid will include the cost for removal, packaging, transporting, and disposing PCB- Bulk Product Waste, PCB Containing Waste, and PCB Remediation Waste (containment, cleaning, and PPE materials).

B. The quantities listed herein are estimates only, and should be verified on-site by the Contractor.

C. This bid includes the following PCB Bulk Product Waste and PCB Containing Waste:

BASE BID

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Kent Memorial Library			
Interior Roof Monitors	Removal and disposal of caulking between roof panel joints and columns/beam as presumed PCB Bulk Product Waste > 50 ppm.	~800 LF	1, 2
Upper, Intermediate and Lower Levels (excludes recently Multi-purpose room and mechanical room)	Removal and disposal of vinyl cove base and associated mastic adhesive. Materials shall be disposed of as PCB Containing Waste< 50 ppm.	~800 LF	1, 3

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Lower Level Equipment Room; Lower Level Work Room; Lower Level Lounge; Lower Level Staff Toilet	Removal and disposal of 12 x 12 floor tile and associated mastic adhesive. Materials shall be disposed of as PCB Containing Waste< 50 ppm. Coordinate work with Asbestos Abatement Section 02 82 13 for combined waste disposal as interior flooring and mastic materials also contain asbestos.	~1,200 SF	1, 4
Interior all ceiling locations	Removal and disposal of Interior 2 x 2 ceiling tiles with asbestos containing glue daubs. Materials shall be disposed of as PCB Containing Waste< 50 ppm. Coordinate work with Asbestos Abatement Section 02 82 13 for combined waste disposal as glue daubs also contain asbestos.	~3,200 SF (estimated 800 2 x 2 tiles)	1, 5
Upper, Intermediate and Lower Levels (excludes recently Multi-purpose room and mechanical room)	Removal of all paint from existing ceilings and concrete beams associated with coffered ceiling systems throughout the facility. Dispose of all waste as PCB Bulk Product Waste > 50 ppm. Clean and Encapsulate ceilings and beams with epoxy primer and finish coats.	~26,000 SF	1, 6, 10
Upper, and Intermediate Levels (Including materials formerly under shelving)	The Abatement Contractor shall demolish and remove all existing parquet style wood floors for disposal.	~2,500 SF	1, 7
Lower Level Auditorium, Office and Records Room; Upper level north, center and south, Intermediate level north and Lower Levels north on First Floor	All porous concrete floor surfaces shall be stripped of sealant coatings and mastics using mechanical sanders equipped with HEPA shrouds to remove to substrate. Carpeting covering existing concrete floors shall be removed in its entirety for disposal. All carpeting, stripping debris and dust shall be disposed of as PCB Containing Waste< 50 ppm.	~4,700 SF (550 SF no carpet)	1, 8
Lower Level Auditorium	All porous brick floor surfaces shall be removed in their entirety including mortar due to presence of sealant coatings. Materials shall be disposed of as PCB Containing Waste< 50 ppm.	~200 SF	1, 9
Upper, Intermediate and Lower Levels including ramps	All painted interior wall and columns (concrete, concrete block and brick) shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating.	~10,500 SF	1, 11
Lower Levels Mechanical room	Mechanical room ceiling shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating.	~1,200 SF	1, 12

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Upper, Intermediate and Lower Level Roof Monitors	All painted interior ceilings associated with roof monitors (concrete) shall be cleaned to remove surface dust and encapsulated with an epoxy primer sealer and epoxy finish coating.	~1,800 SF	1, 13
Exterior Windows and Doors	Conduct surface encapsulation of all existing porous surfaces on the exterior granite sills and concrete beams where previous applications have been utilized.	~875 LF	1, 14
Interior Concrete Beams	Conduct surface encapsulation of existing porous surfaces on the interior of the building where previous applications have been utilized.	~875 LF	1, 15

LF = Linear Feet, SF = Square Feet

Notes:

1. Quantities shall be verified by Contractor during the time of mandatory the walk-through. Discrepancies of amounts and/or locations of asbestos-containing materials shall be addressed prior to bidding the work to the Owner and Consultant.
2. Remove and dispose of interior caulking compounds at roof monitors as presumed PCB Bulk Product Waste at a facility permitted to accept PCB Bulk Product Waste. Upon completion clean to remove all surface dust and caulk residue and encapsulate entire depth of joint and two inches on each side of joint with epoxy primer and finish coat in accordance with requirements for surface preparations for encapsulant coatings. Refer to Section 09 90 00 for Paints and Coatings for encapsulant products. Re-caulk joints with caulk in accordance with Section 07 92 00 for Joint Sealers.
3. Remove existing vinyl cove base and associated mastic adhesive as PCB Containing Waste < 50 ppm. Care shall be taken to avoid damage to existing walls and ensure all mastic is removed. Work shall be conducted as part of flooring removal work and prior to encapsulation of walls.
4. All materials associated with the floor tile or any flooring materials and mastic shall be removed and disposed of as asbestos, including, but not limited to, adhesives, leveling compounds, concrete toppings, etc. (all layers down to original substrate). Note materials also contain PCBs >1 ppm but < 50 ppm and shall require disposal as a combination mixed waste. Refer to specification section 02 84 34 for additional requirements for PCBs.
5. All materials associated with the ceiling tile and glue daub shall be removed and disposed of as asbestos and PCB waste. Note materials also contain PCBs >1 ppm but < 50 ppm and shall require disposal as a combination mixed waste. Refer to specification section 02 84 34 for additional requirements for PCBs.
6. Removal of all paint from existing ceilings and concrete beams associated with coffered ceiling systems throughout the facility. Prior to removal of paint existing acoustic ceiling tiles and glue daubs which contain asbestos shall be removed (refer also to Section 02 82 13 for asbestos abatement). Paint shall be removed using manual scraping, wire brushes or limited use of rotary grinders. Finish shall be smooth and care taken to not significantly impact existing porous finish surfaces. All waste materials from paint removal shall be considered PCB Bulk Product Waste for

disposal as concentrations identified ≥ 50 ppm. Ceiling tile and associated glue daubs shall be disposed of as asbestos and PCB Containing Waste <50 ppm.

7. The Abatement Contractor shall demolish and remove all existing parquet style wood floors for disposal. Materials contain >1 ppm in the sealant coating on floors and also > 1 ppm in mastics associated with wood. All wood materials shall be disposed of as PCB Containing Waste< 50 ppm.
8. All porous concrete floor surfaces shall be stripped of sealant coatings and mastics using mechanical sanders (blast tract) equipped with HEPA filtration to remove to bare substrate. All carpeting covering concrete shall be removed for disposal. Finish shall be smooth and care taken to not significantly impact existing porous finish surfaces. Sealants and mastics contain PCBs < 50 ppm and all removed carpeting, stripping debris and dust shall be disposed of as PCB Containing Waste <50 ppm. Post verification sampling by the consultant shall be conducted to confirm PCBs effectively removed. All surfaces shall be cleaned to remove surface dust meeting requirements for surface preparations for new sealant coatings. Refer to Section 09 90 00 for Paints and Coatings.
9. All porous brick floor surfaces shall be removed in their entirety including mortar due to the presence of sealants containing PCBs. Sealants contain PCBs < 50 ppm and all removed brick, mortar, debris and dust shall be disposed of as PCB Containing Waste <50 ppm.
10. After completion of paint removal work on all ceilings and concrete beams surfaces shall be cleaned to remove surface dust meeting requirements for surface preparations for encapsulant coatings. Refer to Section 09 90 00 for Paints and Coatings. Ceilings and beams shall be encapsulated with an epoxy primer sealer and epoxy finish coating. For bare concrete ceilings associated finish coat may require multiple applications. Care shall be taken to back roll ceilings to prevent dripping of encapsulant products.
11. After completion of paint removal work on all ceilings and concrete beams all painted interior wall and columns (concrete and brick) shall be cleaned to remove surface dust meeting requirements for surface preparations for encapsulant coatings. Refer to Section 09 90 00 for Paints and Coatings. All painted wall and column surfaces shall be encapsulated with an epoxy primer sealer and epoxy finish coating.
12. Mechanical room ceiling shall be cleaned to remove surface dust meeting requirements for surface preparations for encapsulant coatings. Refer to Section 09 90 00 for Paints and Coatings. All exposed ceiling surfaces shall be encapsulated to the extent possible due to the extensive mechanical equipment present in the location. Encapsulate surfaces with an epoxy primer sealer and epoxy finish coating. Care shall be taken to back roll ceilings to prevent dripping of encapsulant products.
13. Roof monitor ceilings and concrete beams shall be cleaned to remove surface dust meeting requirements for surface preparations for encapsulant coatings. Refer to Section 09 90 00 for Paints and Coatings. All painted surfaces within interior of roof monitors including top side of coffered ceilings shall be encapsulated with an epoxy primer sealer and epoxy finish coating. Care shall be taken to back roll ceilings to prevent dripping of encapsulant products.
14. The Abatement Contractor shall conduct surface encapsulation of all existing porous surfaces on the exterior of the building where previous applications of Encapsulant have been utilized. This includes concrete and granite sills, heads, and columns associated with windows and doors. Existing acrylic products utilized shall be

stripped to facilitate new product. The Abatement Contractor shall install a two-part epoxy product. A total of two coats are proposed as recommended by manufacturer's requirements. Refer to Section 09 90 00 for Paints and Coatings.

15. Additionally, all interior locations shall be re-encapsulated. Existing acrylic products utilized such as Sikagard 670 W Clear Acrylic shall be re-installed to provide additional coverage in accordance with manufacturer's requirements. Refer to Section 09 90 00 for Paints and Coatings.

D. Safety Data Sheets (SDS) for chemicals to be used during the project must be submitted to the Consultant prior to Site delivery.

E. The Contractor shall be responsible for providing temporary water, power, and heat as needed at the Site. Temporary lighting within the work areas must be connected to Ground Fault Circuit Interrupter (GFCI) power panels, installed by a State of Connecticut-licensed electrician, permitted as required, and located outside of the work area.

1.11 DEFINITIONS

A. The following definitions relative to PCB abatement shall apply:

1. Abatement - Procedures to control PCB release from PCB Bulk Product Waste and PCB Remediation Waste; includes removal, encapsulation, and enclosure.
2. Air Monitoring - The process of measuring PCB concentrations of an area or exposure of a person.
3. CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act (Title 42 CFR, Parts 9601-9657).
4. Chemical Waste Landfill - A landfill at which protection against risk of injury to health or the environment from migration of PCBs to land, water, or the atmosphere is provided from PCBs and PCB Items deposited therein by locating, engineering, and operating the landfill as specified in EPA Title 40 CFR, Part 761.75.
5. Cleanup Site - The areal extent of contamination and all suitable areas in very close proximity to the contamination necessary for implementation of a cleanup of PCB Remediation Waste, regardless of whether the Site was intended for management of waste.
6. Competent Person - As defined by OSHA, a representative of the Contractor who is capable of identifying existing PCBs hazards in the workplace and selecting the appropriate control strategy for PCB exposure. Person who has authority to take prompt corrective measures to eliminate such hazards during PCB removal.
7. Consultant – Fuss & O'Neill EnviroScience, LLC
8. Containment – An enclosure within the building which establishes a contaminated area, and surrounds the location where PCB and/or other toxic or hazardous substance removal is performed, and establishes a Control Work Area.
9. Designated Facility – An off-site disposer or commercial storer of PCB-containing waste designated on the manifest as the facility that will receive a manifested shipment of PCB containing waste.
10. Disposal – An intentional or accidental act of discarding, throwing away, completing, or terminating the useful life of PCBs and PCB-containing items. Disposal includes spills, leaks, and other uncontrolled discharges of PCBs, as well as actions related to

containing, transporting, destroying, degrading, decontaminating, or confining PCBs and PCB items.

11. DOT – The United States Department of Transportation.
12. EPA Identification Number - The 12-digit number assigned to a facility by EPA upon notification of PCB waste activity under EPA Title 40 CFR, Part 761.205.
13. Excluded PCB Product – A PCB-containing material which is determined by laboratory analysis to contain concentrations of PCBs less than 50 ppm, and meets the requirements of EPA Title 40 CFR, Part 761.3.
14. Fixed Object – Mechanical equipment, electrical equipment, fire detection systems, alarms, or all other fixed equipment, fixtures, or items which cannot be removed from the work area.
15. Generator of PCB Waste - Any person who acts, processes, or produces PCBs that are regulated for disposal under EPA Title 40 CFR, Part 761, Subpart D, whose act first causes PCBs or PCB-containing -items to become subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D, or who has physical control over the PCBs when a decision is made that the use of the PCBs has been terminated, and is therefore subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D. Unless another provision of EPA Title 40 CFR, Part 761 specifically requires a site-specific meaning, "generator of PCB waste" includes all of the sites of PCB waste generation owned or operated by the person who generates PCB waste.
16. GFCI – Ground Fault Circuit Interrupter
17. HEPA – High Efficiency Particulate Air
18. HEPA Filter - Filter in compliance with ANSI Z9.2 1979.
19. HEPA Vacuum Equipment - Vacuum equipment equipped with a HEPA filter system for filtering the air effluent.
20. High Occupancy Area – Any area where PCB Remediation Waste has been disposed on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: 840 hours or more (an average of 16.8 hours or more per week) for non-porous surfaces and 335 hours or more (an average of 6.7 hours or more per week) for PCB Remediation Waste. Examples might include a residence, school, day care center, sleeping quarters, a single or multiple occupancy 40-hours per week work station, a school classroom, a cafeteria in an industrial facility, a control room, or a work station at an assembly line.
21. Incinerator - An engineered device using controlled flame combustion to thermally degrade PCBs and PCB Items. Examples of devices used for incineration include rotary kilns, liquid injection incinerators, cement kilns, and high temperature boilers.
22. Laboratory - A facility that analyzes samples for PCBs and is unaffiliated with any entity whose activities involve PCBs.
23. Large PCB Mark (M_L) - Mark that includes letters and striping on a white or yellow background, and shall be sufficiently durable to equal or exceed the life (including storage for disposal) of the PCB Article, PCB Equipment, or PCB Container. The size of the mark shall be at least six inches (6") on each side. If the PCB Article or PCB Equipment is too small to accommodate this size, the mark may be reduced in size proportionately down to a minimum of two inches on each side.
24. Liquid PCBs – A homogenous flowable material containing PCBs, and no more than 0.5 percent by weight of non-dissolved material.

25. Low Occupancy Area - Any area where PCB Remediation Waste has been disposed on-site, and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: less than 840 hours (an average of 16.8 hours per week) for non-porous surfaces and less than 335 hours (an average of 6.7 hours per week) for PCB Remediation Waste. Examples might include an electrical substation or a location in an industrial facility where a worker spends small amounts of time per week (such as an un-occupied area outside a building, an electrical equipment vault, or in the non-office space in a warehouse where occupancy is transitory).
26. Manifest – The shipping document EPA form 8700–22, and any continuation sheet attached to EPA form 8700–22, originated and signed by the generator of PCB-containing waste.
27. Mark – The descriptive name, instructions, cautions, or other information applied to PCBs, and PCB Items, or other objects.
28. Marked - The marking of PCB Items and PCB storage areas and transport vehicles by means of applying a legible mark by painting, fixation of an adhesive label, or by any other method that meets the requirements of the EPA Title 40 CFR, Part 761.
29. Movable Object - Unit of equipment of furniture in the work area that can be removed from the work area.
30. Municipal Solid Waste - Garbage, refuse, sludges, wastes, and other discarded materials resulting from residential and non-industrial operations and activities, such as household activities, office functions, and commercial housekeeping wastes.
31. Negative Air Pressure Equipment - A portable local exhaust system equipped with HEPA filtration used to create negative pressure in a regulated area (negative with respect to adjacent unregulated areas), and capable of maintaining a constant, low velocity air flow into regulated areas from adjacent unregulated areas.
32. Non-Liquid PCBs - Materials containing PCBs that by visual inspection do not flow at room temperature (25°C or 77°F), or from which no liquid passes when a 100 gram or 100 milliliter representative sample is placed in a mesh number 60 ±5 percent paint filter and allowed to drain at room temperature for five minutes.
33. Non-Porous Surface – A smooth, unpainted solid surface that limits penetration of liquid- containing PCBs beyond the immediate surface. Examples include smooth uncorroded metal, natural gas pipe with a thin porous coating originally applied to inhibit corrosion, smooth glass, smooth glazed ceramics, impermeable polished building stone such as marble or granite, and high density plastics, such as polycarbonates and melamines, which do not absorb organic solvents.
34. On-Site - Within the boundaries of a contiguous property unit.
35. Owner – Town of Suffield
36. PCB(s) – A chemical substance that is limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances that contain such substance. Refer to EPA Title 40 CFR, Part 761.1(b) for applicable concentrations of PCBs. PCB and PCBs as contained in PCB items are defined in EPA Title 40 CFR, Part 761.3.
37. PCB Article – A manufactured article, other than a PCB Article Container, that contains PCBs and whose surface(s) has been in direct contact with PCBs. Includes capacitors, transformers, electric motors, pumps, pipes, and other manufactured item which (1) is formed to a specific shape or design during manufacture, (2) has end use function(s) dependent in whole or in part upon its shape or design during end use, and (3) has either no change of chemical composition during its end use, or only

those changes of composition that have no commercial purpose separate from that of the PCB Article.

38. PCB Article Container – A package, can, bottle, bag, barrel, drum, tank, or other device used to contain PCB Articles or PCB Equipment, and whose surface(s) has not been in direct contact with PCBs.
39. PCB Bulk Product Waste – A waste derived from manufactured products containing PCBs in a non-liquid state, at any concentration where the concentration at the time of designation for disposal is greater than (≥) 50 ppm PCBs. Does not include PCBs or PCB Items regulated for disposal under EPA Title 40 CFR Parts 761.60(a)-(c), 7611.61, 761.63, or 761.64. PCB Bulk Product Waste is further defined in EPA Title 40 CFR, Part 761.3.
40. PCB Capacitor – A capacitor that contains ≥ 500 ppm PCBs. Concentration assumptions applicable to capacitors appear under EPA Title 40 CFR, Part 761.2.
41. PCB-Containing Materials – For the purposes of this Work means those materials containing < 50 ppm PCBs, which have been documented as Excluded PCB Products, and are therefore not subject to the requirements of EPA Title 40 CFR, Part 761, but include CTDEEP regulated concentrations of PCBs requiring proper removal and disposal in accordance with this Section.
42. PCB Equipment – A manufactured item, other than a PCB Article Container, which contains a PCB Article or other PCB Equipment, and includes microwave ovens, electronic equipment, and fluorescent light ballasts and fixtures.
43. PCB Item – A PCB Article, PCB Article Container, PCB Container, PCB Equipment, or anything that deliberately or unintentionally contains, or has as a part of it any PCB or PCBs.
44. PCB Remediation Waste – Waste containing PCBs in concentrations greater than 1 ppm as a result of a spill, release, or other unauthorized disposal.
45. PCB Waste(s) – PCBs and PCB Items that are subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D.
46. Porous Surface – A 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 a porous glaze, porous building stone such as sandstone, travertine, limestone, or coral rock, low-density plastics such as Styrofoam and low-density polyethylene (poly), coated (varnished or painted) or uncoated wood, concrete or cement, plaster; plasterboard, wallboard, rubber, fiberboard, chipboard, asphalt, or tar paper. For purposes of cleaning and disposing of PCB Remediation Waste, porous surfaces have different requirements than non-porous surfaces.
47. RCRA - The Resource Conservation and Recovery Act (EPA Title 40 CFR, Parts 260 - 265).
48. Regulated Work Area - An area established by the employer to demarcate where PCB abatement is conducted and any adjoining area where debris, and waste from such abatement work accumulate.
49. Standard Wipe Sample – A sample collected for chemical extraction and analysis using the standard wipe test as defined in EPA Title 40 CFR, Part 761.123. Except as designated elsewhere in EPA Title 40 CFR. Part 761, the minimum surface area to be sampled shall be 100 square centimeters (cm^2).
50. Storage for Disposal - Temporary storage area for PCBs that have been designated for disposal.

51. SW–846 - The document having the title "SW-846, Test Methods for Evaluating Solid Waste".
52. Totally Enclosed Manner – A manner that will ensure no exposure of human beings or the environment to a concentration of PCBs.
53. Transfer Facility – A transportation-related facility including loading docks, parking areas, and other similar areas where shipments of PCB waste are held during normal transportation. Transport vehicles are not transfer facilities under this definition, unless they are used for the storage of PCB waste, rather than for actual transport activities. Storage areas for PCB waste at transfer facilities are subject to the storage facility standards of EPA Title 40 CFR, Part 761.65, but such storage areas are exempt from the approval requirements of EPA Title 40 CFR, Part 761.65(d) and the recordkeeping requirements of EPA Title 40 CFR, Part 761.180, unless the same PCB waste is stored there for a period of more than 10 consecutive days between destinations.
54. Transporter of PCB Waste - For the purposes of Title 40 CFR, Part 761, Subpart K, any person engaged in the transportation of regulated PCB waste by air, rail, highway, or water for purposes other than consolidation by a generator.
55. Transport Vehicle – A motor vehicle or rail car used for the transportation of cargo by any mode. Each cargo-carrying body (e.g., trailer, railroad freight car) is a separate transport vehicle. TSCA means the Toxic Substances Control Act (15 U.S.C. 2601 et seq.).
56. TSCA - The Toxic Substances Control Act (15 U.S.C. 2601 et seq.).

1.12 SUBMITTALS

A. The Contractor shall submit the following to the Consultant in one complete package prior to the pre-construction meeting, and no later than 10 business days prior to the anticipated start of the Work:

1. Site-Specific Health and Safety Plan (HASP): The Contractor shall prepare a site-specific HASP plan for protection of workers and control of the work site in accordance with OSHA regulatory requirements (Title 29 CFR, Part 1910.120). The HASP shall govern all work conducted at the site during the removal of PCB-Containing Materials and related debris, waste handling, sampling, waste management, and waste transportation. At a minimum, the HASP shall address the requirements set forth in OSHA Title 29 CFR, Part 1910.120, as further outlined below:
    a. Health and Safety Organization
    b. Site Description and Hazard Assessment
    c. Training
    d. Medical Surveillance
    e. Work Areas
    f. Personal Protective Equipment
    g. Personal Hygiene and Decontamination
    h. Standard Operating Procedures and Engineering Controls
    i. Emergency Equipment and First Aid Provisions
    j. Equipment Decontamination
    k. Air Monitoring

l. Telephone List
m. Emergency Response and Evacuation Procedures and Routes
n. Site Control
o. Permit-Required Confined Space Procedures
p. Spill Prevention and Countermeasure Contingency Plan (SPCC)
q. Heat and Cold Stress
r. Recordkeeping
s. Community Protection Plan

2. Employee Training, Medical, and Fit Test Documentation: The Contractor submit the following documentation:
   a. Documentation of 40-Hour OSHA HAZWOPER Training for all employees and Sub-contractors to be used for the removal work.
   b. Medical clearance and respirator fit test records of each employee who may be on the project site.
3. PCB and or other Toxic or Hazardous Substances Disposal Plan: A written plan that details the Contractor's plan for transportation and disposal of PCB-Containing Materials, or other Toxic or Hazardous Substance wastes generated during the project. The Disposal Plan shall identify:
   a. The Contractor's insurance certificate and landfill's operating permits and insurance certificates.
   b. Waste packaging, labeling, placarding, and manifesting procedures.
   c. The name, address, and 24-hour contact number for the proposed treatment or disposal facility, or facilities to which waste generated during the project will be transported.
   d. The name, address, contact person(s) and state-specific permit numbers for proposed waste transporters, and EPA and DOT identification number for firms that will transport PCB Bulk Product Waste and PCB-Containing Material waste.
   e. The name, address, contact person(s) and state-specific permit numbers for proposed waste transporters, and EPA and DOT identification number for firms that will transport materials containing combined asbestos and PCB Bulk Product Waste and/or PCB-Containing Material waste.
   f. The route(s) by which the waste will be transported to the designated disposal facility, and states or territories through which the waste will pass.
4. Safety Data Sheets (SDS): SDS and manufacturer's information shall be provided for all chemicals and materials to be used during the project including, but not limited to: specialty cleaners and chemical stripping products.
5. Air Sampling Professional Qualifications: The qualifications of the air sampling professional that the Contractor proposed to use for this project to perform OSHA-required employee exposure monitoring.

B. The following documents shall be submitted to the Consultant within 15 working days following removal of waste from the Site:

1. Waste Profile Sheets including but not limited to PCB Bulk product Waste (>50 ppm), PCB Containing Waste (<50 ppm), PCB combined asbestos and PCB Bulk Product Waste, PCB combined asbestos and PCB Containing Waste and PCB Remedial Waste (containment, cleaning and PPE Materials).

2. Waste Manifests signed by the disposal facility
3. Tipping Receipts provided by the disposal facility
4. Certification of Final Treatment/Disposal signed by the responsible disposal facility official.

C. The following shall be submitted to the Consultant at the completion of the Work:

1. Disposal Site Receipts: Copy of waste shipment record(s) and disposal site receipt(s) that indicate that PCB- Waste Materials or other Toxic, or Hazardous Substances materials have been properly disposed. Individual waste streams noted above shall be documented for disposal and records for each waste stream provided to the Owner and Consultant.
2. Product Data: Catalog sheets, specifications, and application instructions for any removal products, if used.

1.13 REGULATIONS AND STANDARDS

A. The Contractor shall be solely responsible for conducting this project and supervising all work in a manner that will be in conformance with all federal, state, and local regulations and guidelines pertaining to PCB abatement. Specifically, the Contractor shall comply with the requirements of the following:

1. EPA TSCA (Title 40 CFR, Part 761);
2. OSHA Hazardous Waste Operations and Emergency Response Regulations (Title 29 CFR, Parts 1910.120);
3. OSHA Respiratory Protection Standard (Title 29 CFR, Part 1910.134)
4. OSHA Hazard Communication (Title 29 CFR, Part 1910.1200)
5. Department of Transportation (DOT) Hazardous Waste Transportation Regulations (Title 49 CFR, Parts 170 – 180).
6. CTDEEP Regulations;
7. Current code and all applicable laws, statues, regulations and ordinances;
8. Life Safety Code (National Fire Protection Association [NFPA]);
9. Local health and safety codes, ordinances, or regulations pertaining to PCB remediation and all national codes and standards including ASTM, ANSI, and Underwriter's Laboratories.

1.14 POSTING AND RECORD MAINTENANCE REQUIREMENTS

A. The following items shall be conspicuously displayed proximate but outside of removal work areas.

1. Exit Routes: Emergency exit procedures and routes
2. Emergency Phone Numbers: A list indicating the telephone numbers and locations of the local hospital(s); the local emergency squad; the local fire department, the local police department, the Poison Control Center, Chemical Emergency Advise (CHEMTREC), the local Department of Health's local office, the Remediation Contractor (on-site and after hours numbers), and the environmental consultant (on-site and after hours contact numbers).

3. Warning Signs: Warning signs shall be in English and the language of any workers on-site who do not speak English, and be of sufficient size to be clearly legible and display the following or similar language in accordance with OSHA Title 29 CFR, Part 1910.1200:

WARNING
HAZARDOUS WASTE WORK AREA
PCBs-POISON
NO SMOKING, EATING OR DRINKING
AUTHORIZED PERSONNEL ONLY
PROTECTIVE CLOTHING IS REQUIRED IN THIS AREA

B. In addition, all entrances to work areas shall be posted with a PCB ML large marker.

C. The Contractor shall maintain the following items on-site and available for review by all employees and authorized visitors:

1. Contractor's Site-Specific HASP.
2. Documentation of Training, Medical Clearance, and Fit Test Records for all employees and the project Supervisor.
3. Codes, Standards, and Publications.
4. SDS for all chemicals used during the project.
5. Copies of Contractor's written hazard communication, respiratory protection, and confined space entry programs.

D. Fees, Permits, and Licenses: The Contractor shall pay all licensing fees, royalties, and other costs necessary for the use of any copyrighted or patented product, design, invention, or processing in the performance of the work specified in this Section.

E. The Contractor shall be solely responsible for costs, damages, or losses resulting from any infringement of these patent rights or copyrights. The Contractor shall hold the Owner and the Consultant harmless from any costs, damages, and losses resulting from any infringement of these patent rights or copyrights.

F. The Contractor shall be responsible for securing all necessary permits for work under this Section, including hauling, removal, and disposal, fire, and materials usage, or any other permits required to perform the specified work.

1.15 MINIMUM REQUIREMENTS FOR WORKER HEALTH AND SAFETY

A. The Contractor is responsible and liable for the health and safety of all on-site personnel and the off-site community affected by the Work. All on-site workers or other persons entering the abatement work areas, decontamination areas, or waste handling and staging areas shall be knowledgeable of and comply with the requirements of the site-specific HASP at all times. The Contractor's HASP shall comply with all applicable federal, state, and local regulations protecting human health and the environment from the hazards posed by the Work.

B. Consistent disregard for the provisions of the HASP shall be deemed as sufficient cause for immediate stoppage of work and termination of the Contract or any Sub-contracts without compromise or prejudice to the rights of the Owner or Consultant.

C. Any discrepancies between the Contractor's HASP and these Specifications or federal, state, and local regulations shall be resolved in favor of the more stringent requirements that provide the highest degree of protection to the project personnel, the surrounding community, and the environment.

D. In addition to exposure concerns relating to the presence of PCBs, other health and safety considerations will apply to the Work. The Contractor shall be responsible for recognizing such hazards and shall be responsible for the health and safety of the Contractor's employees at all times. It is the Contractor's responsibility to comply with all applicable health and safety regulations.

E. The HASP shall be reviewed by all personnel prior to entry into the abatement, decontamination, or waste staging areas. Includes representatives of the Contractor, Owner, Consultant, Subcontractor(s), Waste Transporter or Federal, State, or Local Regulatory Agencies. Such review shall be acknowledged and documented by the Contractor Site Supervisor by obtaining the name, signature, and affiliation of all personnel reviewing the HASP.

F. The HASP shall be maintained so as to be readily accessible and reviewable by all site personnel throughout the duration of the abatement project, and until all waste materials are removed from the Site, and disposed at the appropriate disposal facility.

G. The Contractor Site Supervisor shall be responsible for ensuring that project personnel and site visitors are informed of and comply with the provisions of the HASP.

1.16 WORK AREAS AND ZONES

A. The Contractor shall lay-out and clearly identify work areas in the field. Access by equipment, site personnel, and the public to the work areas shall be limited as follows:

1. Abatement Zone: The Abatement Zone(s) shall consist of all areas where removal of PCB Bulk Product Waste and PCB-Containing Materials and other Toxic or Hazardous Substances, and waste handling and staging activities are on-going and the immediately surrounding locale or other areas where contamination could occur. Each Abatement Zone for purposes of removal and disposal shall be performed within a regulated work area (refer to Section 3.2 of this Specification) to demarcate work areas from non-work areas. The regulated work area shall be visibly delineated with appropriate warning signs at all approaches to the area (including a large PCB M L marker), and be restricted from access by all personnel except those directly necessary for the completion of the respective abatement tasks. The Abatement Zones shall be relocated and delineated as necessary as work progresses from one portion of the Site to another, to limit access to each area and to minimize risk of exposure to Site workers and the general public. Access shall be controlled at the periphery of the Abatement Zones to regulate the flow of personnel and equipment

into and out of each zone and to help verify that proper procedures for entering and exiting are followed. All persons within the Abatement Zones shall wear the appropriate level of protection established in the Contractor's HASP. See also requirements for Asbestos Abatement in Section 02 82 13.

2. Decontamination Zone: The Decontamination Zone is the transition zone between the Abatement Zone and the clean support zone of the project site, and is intended to reduce the potential for contaminants from being dispersed from the Abatement Zone to clean areas of the Site. The Decontamination Zone shall consist of a buffer area surrounding each Abatement Zone through which the transfer of equipment, materials, personnel, and containerized waste products will occur, and in which decontamination of equipment, personnel, and clothing will occur. The Decontamination Zones shall be constructed as a three chamber decontamination unit for workers and a two chamber equipment room for waste load out as detailed in Section 3.3 of this Specification. All emergency response and first aid equipment shall be readily maintained in this zone. All PPE and clothing shall be removed or decontaminated in the Decontamination Zone prior to exiting to the Support Zone. See also requirements for Asbestos Abatement in Section 02 82 13.
3. Support Zone: The Support Zone shall consist of the area outside the Decontamination Zones and the remainder of the project site. Administrative and other support functions and any activities that by nature need not be conducted in the Abatement or Decontamination Zone related to the project shall occur in the Support Zone. Access to the Abatement and Decontamination Zones shall be controlled by the Contractor Site Supervisor, and limited to those persons necessary to complete the abatement work, and who have reviewed and signed the HASP.

1.17 PERSONNEL PROTECTIVE EQUIPMENT

A. The Contractor shall be responsible to determine and to provide the appropriate level of PPE in accordance with applicable regulations and standards necessary to protect the Contractor's employees from all hazards present.

B. The Contractor shall provide all employees with the appropriate safety equipment and protective clothing to ensure an appropriate level of protection for each task, taking into consideration the chemical, physical, ergonomic, and biological hazards posed by the Site and Work.

C. The Contractor shall establish in the HASP criteria for the selection and use of PPE. See also requirements for Asbestos Abatement in Section 02 82 13.

D. The PPE to be utilized for the project shall be selected based upon the potential hazards associated with the Site and the Work. Appropriate PPE shall be worn at all times within the Abatement Zone.

E. The Contractor shall provide the appropriate level of respiratory protection to all field personnel engaged in activities where respiratory hazards exist, or where there is a potential for such hazard to exit.

F. The Contractor shall provide, as necessary, protective coveralls, disposable gloves and other protective clothing for all personnel that will be actively involved in abatement activities or waste handling activities, or otherwise present in the Abatement Zones. Coveralls shall be TyvekTM or equivalent material. Should the potential for exposure to liquids exist, splash resistant disposable suits shall be provided and utilized.

G. Protective coveralls, and other protective clothing shall be donned and removed within the Decontamination Zone and shall be disposed at the end of each day. Ripped coveralls shall be immediately replaced after appropriate decontamination has been completed to the satisfaction of the Contractor Site Supervisor. Protective clothing shall not be worn outside of the Decontamination Zone.

H. Hard hats, protective eyewear, rubber boots, and/or other non-skid footwear shall be provided by the Contractor as required for workers and authorized visitors.

I. All contaminated protective clothing, respirator cartridges and disposable protective items shall be placed into proper containers to be provided by the Contractor for transport and proper disposal in accordance EPA and CTDEEP regulations. See also requirements for Asbestos Abatement in Section 02 82 13.

1.18 EMERGENCY EQUIPMENT AND FIRST AID REQUIREMENTS

A. At a minimum, the Contractor shall provide and maintain at the Site the following Emergency and First Aid Equipment:

1. Fire Extinguishers: A minimum one fire extinguisher shall be supplied and maintained at the Site by the Contractor throughout the duration of the Work. Each extinguisher shall be a minimum of a 20-pound Class ABC dry fire extinguisher with Underwriters Laboratory approval per OSHA Title 29 CFR, Part 1910.157.
2. First Aid Kit: A minimum one first aid kit meeting the requirements of OSHA Title 29 CFR, Part 1910.151 shall be supplied and maintained at the Site by the Contractor throughout the duration of the Work.
3. Communications: Telephone communications (either cellular or land line) shall be provided by the Contractor for use by site personnel at all times during the Work.

B. The Contractor Site Supervisor shall be notified immediately in the event of personal injury, potential exposure to contaminants, or other emergency. The Contractor Site Supervisor shall then immediately notify the Owner and Consultant.

1.19 STANDARD SAFETY AND HEALTH PROCEDURES AND ENGINEERING CONTROLS

A. The following provisions shall be employed to promote overall safety, personnel hygiene and personnel decontamination:

1. Each Contractor or Subcontractor shall ensure that all safety equipment and protective clothing to be utilized by its personnel is maintained in a clean and readily accessible manner at the Site.

2. All prescription eyeglasses in use on this project shall be safety glasses conforming to ANSI Standard Z87.1. No contact lenses shall be allowed on the Site.
3. Prior to exiting the delineated Decontamination Zone(s), all personnel shall remove protective clothing, and place disposable items in appropriate disposal containers to be dedicated to that purpose. Following removal of PPE, personnel shall thoroughly wash and rinse their face, hands, arms and other exposed areas with soap and tap water wash and subsequent tap water rinse. A fresh supply of tap water shall be provided at the Site on each work day by the Contractor for this purpose.
4. All PPE used on-site shall be decontaminated or disposed at the end of each work day. Discarded PPE shall be placed in sealed DOT-approved 55-gallon drums for off-site disposal.
5. Respirators shall be dedicated to each employee, and not interchanged between workers without cleaning and sanitizing.
6. Eating, drinking, chewing gum or tobacco, smoking, and any other practice that increases the likelihood of hand to mouth contact shall be prohibited within the delineated abatement and decontamination work zones. Prior to performing these activities, each employee shall thoroughly cleanse their face, hands, arms and other exposed areas.
7. All personnel shall thoroughly cleanse their face hands, arms and other exposed areas prior to using toilet facilities.
8. No alcohol, illicit drugs, or firearms will be allowed on the Site at any time.
9. Contact with potentially contaminated surfaces should be avoided, if possible. Field personnel should minimize walking through standing water/puddles, mud, or other wet or discolored surfaces, kneeling on the ground, and placing equipment, materials or food on the ground, or other potentially contaminated surface.
10. The use of the "Buddy System" shall be employed at all times while conducting work at the Site. Each employee shall frequently monitor other workers for signs of heat stress or chemical exposure or fatigue: periodically examine others PPE for signs of wear or damage, routinely communicate with others, and notify the Contractor Site Supervisor in the case of an emergency.

B. Workers must wear protective suits, protective gloves, eye protection, and a minimum of half-face air-purifying respirator with dual HEPA filter cartridges (P100). Respiratory protection shall be in accordance with OSHA Title 29 CFR, Part 1910.134 and ANSI Z88.2.

C. Workers must be trained per OSHA requirements, have medical clearance, and must have recently received pulmonary function test (PFT) and respirator fit test by a trained professional.

D. A personal air sampling program shall be in place, as required by OSHA.

E. The use of respirators must also follow a complete written respiratory protection program as specified by OSHA.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.

B. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with PCBs shall be decontaminated or disposed as PCB waste.

C. Polyethylene (poly) sheeting in a roll size to minimize the frequency of joints shall be delivered to the Site with factory label indicating 4 or 6-mil thickness.

D. Poly disposable bags shall be 6-mil thickness with pertinent pre-printed label. Tie wraps for bags shall be plastic, five-inches long (minimum), pointed and looped to secure filled plastic bags.

E. Tape or adhesive spray will be capable of sealing joints in adjacent poly and for attachment of poly to finished or unfinished surfaces of dissimilar materials, and capable of adhering under both dry and wet conditions, including use of cleaning products.

F. Cleaning products, such as CapsurTM, TechXtractTM, or equivalent, shall be utilized at the Contractor's discretion. Cleaning products shall be used in decontaminating porous and non-porous surfaces to remain. All such products shall be utilized in accordance with manufacturer's specifications as intended. The Contractor shall ensure appropriate use and disposal associated with use in accordance with the SDS for each product utilized.

G. The Contractor shall have available spray equipment capable of mixing wetting agent with water and capable of generating sufficient pressure and volume, and having sufficient hose length to reach all areas with PCBs.

H. The Contractor shall have available enough DOT-approved 17-C or 17-H drums for waste disposal.

2.2 TOOLS AND EQUIPMENT

A. The Contractor shall provide all tools and equipment necessary for PCB removal.

B. The Contractor's air monitoring professional shall have air-monitoring equipment of type and quantity to monitor operations and conduct personnel exposure surveillance per OSHA requirements.

C. The Contractor shall have available sufficient inventory or dated purchase orders for materials necessary for the Work including protective clothing, respirators, filter cartridges, poly of proper size and thickness, tape, and air filters.

D. The Contractor shall provide (as needed) temporary electrical power panels, electrical power cables, and electrical power sources (such as generators). Any electrical connection

work affecting the building electrical power system shall be performed by a State of Connecticut-licensed electrician.

E. The Contractor shall have available shower stalls and plumbing to support same to include sufficient hose length and drain system or an acceptable alternate.

F. Vacuum units, of suitable size and capacities for the project, shall have HEPA filter(s) capable of trapping and retaining at least 99.97 percent of all mono-dispersed particles of 0.3 micrometers in diameter or larger.

PART 3 - EXECUTION

3.1 PRE-CONSTRUCTION MEETING

A. At least one week prior to the start of work a Pre-Construction Meeting will be scheduled, and must be attended by the Contractor and any Sub-contractors. The assigned Contractor Site Supervisor must also attend this meeting.

B. The Contractor shall present a detailed project schedule and project submittal package at the Pre-Construction Meeting. Variations, amendments, and corrections to the presented schedule will be discussed, and the Owner and Consultant will inform the Contractor of any scheduling adjustments for this project.

C. Following the Pre-Construction Meeting, the Contractor shall submit a revised schedule (if needed) no later than one week after the meeting.

3.2 WORK AREA PROTECTION – ABATEMENT ZONE

A. Where necessary, deactivate electrical power. Provide GFCI devices, temporary power, and temporary lighting installed in compliance with the applicable electrical codes. All installations are to be made by a State of Connecticut-licensed electrician, permitted as required, and located outside the work area.

B. Post warning signs in accordance with OSHA Title 29 CFR, Part 1910.1200 at all approaches to the work area(s). Signs shall be conspicuously posted to permit a person to read signs and take precautionary measures to avoid exposure to PCBs or other Toxic or Hazardous Substances. These signs should include the large PCB ML markers at each entrance to the work area.

C. Construction containments in accordance with asbestos abatement requirements. See Section 02 82 13 Asbestos Abatement for Additional Information.

D. Waste Containers for PCB Bulk Product Waste, PCB Containing Waste and PCB Remediation Waste and Combined PCB and asbestos wastes shall be located on-site, and shall be placed adjacent to abatement zone. Containers shall be lined, covered and secured. The PCB waste containers shall be properly marked as described in EPA Title 40 CFR, Part 761.40. Marking shall include a PCB ML marker formatted in accordance with EPA Title 40 CFR, Part 761.45.

3.3 DECONTAMINATION SYSTEM

A. The Contractor shall establish on-site, a decontamination enclosure consisting of equipment room, shower room, and clean room in series. Decontamination unit shall be remote for exterior work areas and contiguous for interior work areas.

B. Access between rooms in the decontamination system shall be through double flap-curtained openings. The clean room, shower, and equipment rooms within the decontamination enclosure shall be completely sealed.

C. Construct the decontamination system with plastic, wood, or metal framing and cover both sides with a double layer of 6-mil polyethylene sheeting, completely sealed with spray adhesive and tape at the joints.

D. The Contractor and the Consultant shall visually inspect barriers routinely to assure effective seal; the Contractor shall repair defects immediately.

3.4 PCB REMOVAL PROCEDURES

A. The Contractor shall have a designated "competent person" on the Site at all times to ensure proper work practices throughout the project.

B. The Contractor shall regulate the work area as required for compliance with OSHA Title 29 CFR, Part 1910.1200 to prohibit non-trained workers from entering areas where PCBs are to be removed.

C. The Contractor shall establish worker decontamination unit remote from the work area.

D. Materials shall be removed in a manner which does not breakdown the materials into fine dust or powder to the extent feasible. Equipment and tools to be utilized shall include hand tools and mechanical equipment such as demolition hammers, mechanical grinders, etc. to remove materials from adjacent substrates. Mechanical removal equipment shall as appropriate be fitted with HEPA-filtered vacuum attachments.

E. The use of minimal quantities of water to moisten the generated dust prior to collection shall be utilized. Under no circumstances shall the PCB waste show evidence of free liquid water, pooling, or ponding within the waste stream. Any liquid used to wet the dust and debris to control fugitive emissions shall be properly containerized and decontaminated in accordance with EPA Title 40 CFR, Part 761.79(b)(1) or disposed in accordance with EPA Title 40 CFR, Part 761.60(a).

F. Dry or brittle PCB-Containing Material shall be removed with additional engineering controls such as use of a HEPA-filtered vacuum to remove accumulated dust or debris during removal.

G. Sequence of removal shall follow the following general requirements:

1. Site preparation and controls shall be completed. Work shall not proceed until authorized by the Consultant.

2. PCB Bulk Product Waste (caulk and ceiling/beam paint) shall be removed in entirety for disposal as PCB Bulk Product Waste. Note these materials contain > 1% asbestos.
3. PCB Containing Waste (vinyl cove base and mastic, floor tile and mastics, ceiling tile and glue daubs and floor sealants) shall be removed in entirety for disposal as PCB Containing Waste < 50 ppm. Note some of these materials contain > 1% asbestos.
4. Following removal, cleaning of work area shall be performed followed by a final visual inspection and verification sampling (if applicable) by the Consultant.
5. Following an acceptable final visual inspection and verification sampling, the containment barriers, PPE, clean materials and supplies, and waste generated during removal of PCB Bulk Product Waste and PCB Containing Waste shall be containerized for disposal as PCB Remediation Waste.
6. Surfaces noted shall be encapsulated with primer and finish epoxy coatings in accordance with manufacture instructions. See Section 09 99 00 for Paints and Coatings.

H. Remove and containerize all visible accumulations of PCB Bulk Product Waste, PCB Containing Waste and PCB Remediation Waste. Waste shall be containerized in labeled and signed 6-mil poly disposable bags. Tie wraps for bags shall be plastic, 5-inches long (minimum), pointed and looped to secure filled plastic bags. Disposal bags shall then be placed in steel 55-gallon DOT-approved drums.

I. At any time during PCB abatement should the Consultant suspect contamination of areas outside the work area, the Consultant shall issue a stop work order until the Contractor takes required steps to decontaminate these areas, and to eliminate the causes of such contamination. Unprotected individuals shall be prohibited from entering suspected contaminated areas until air sampling and visual inspections indicate acceptable decontamination.

J. The Consultant shall conduct a final visual inspection of the work area. If residual suspect PCB-containing debris is identified during the final inspection, the Contractor shall comply with the Consultant's request to render the area clean of all residual PCB.

3.5 CLEANING AND DECONTAMINATION

A. The Contractor shall be responsible for complete cleaning and decontamination of the Abatement Zone upon completion of work. The Abatement Zone will be required to meet proposed final visual inspection requirements.

B. The Contractor shall utilize HEPA-filtered vacuum equipment and wet cleaning products to remove all visible dust and debris from all surfaces within the work area. If specialty cleaning products are utilized, the Contractor shall utilize the product(s) in accordance with manufacturer's specifications including any additional safety and disposal requirements for such use.

C. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and decontaminated in accordance with EPA Title 40 CFR, Part 761.79(b)(1), or disposed in accordance with EPA Title 40 CFR, Part 761.60(a).

D. All rags and other cleaning materials used to clean the work area shall be properly disposed as PCB Remediation Waste. All PCB Remediation Waste shall be stored for disposal in accordance with EPA Title 40 CFR, Part 761.61(a)(5)(v)(A). All waste containers shall be appropriately marked and labeled in accordance with EPA Title 40 CFR, Parts 761.40 and 761.45.

E. Equipment to be utilized in connection with the removal of PCB Waste including waste collection, or that will or may come in direct contact with the Site contaminants shall be decontaminated prior to leaving the Site to prevent migration of the contaminated residues. Decontamination shall be in accordance with EPA Title 40 CFR, Part 761.79 and Subpart S procedures.

F. All non-disposable equipment and tools employed in the Work will be decontaminated at the conclusion of each work day utilizing the following sequence:

1. Initial tap water rinse to remove gross debris
2. Tap water and hexane or equivalent wash
3. Tap water rinse
4. Second tap water and hexane or equivalent wash
5. Second tap water rinse

G. The wash water and decontamination liquids shall be captured and containerized in DOT approved 55-gallon drums for off-site disposal in accordance with EPA Title 40 CFR, Part 761.60(a).

3.6 CONSULTANT'S RESPONSIBILITIES

A. The Contractor shall monitor air quality within the work area to ascertain the protection of employees and to comply with OSHA regulations.

B. The Consultant's project monitor shall provide continual evaluation of the condition of the building during removal, using their best professional judgments in respect to EPA and CTDEEP regulations.

3.7 CONSULTANT'S INSPECTION RESPONSIBILITIES

A. Consultant may conduct inspections throughout the progress of the removal project. Inspections may be conducted to document the progress of the removal work, as well as the procedures and practices employed by the Contractor.

B. The Consultant may perform the following inspections during abatement activities:

1. Pre-commencement Inspection. Pre-commencement inspections shall be performed at the time requested by the Contractor. The Consultant shall be informed 12-hours prior to the time the inspection is needed. If deficiencies are identified during the pre-commencement inspection, the Contractor shall perform the necessary adjustments to obtain compliance.
2. Work Area Inspection. Work area inspections may be conducted on a daily basis at the discretion of the Consultant. During the work inspections, the Consultant shall

observe the Contractor's removal procedures, verify isolation barrier integrity, assess project progress, and inform the Contractor of specific remedial activities if deficiencies are noted.

C. The Consultant shall perform the following inspection during abatement activities:

1. Final Visual Inspection. Upon the request of the Contractor, the Consultant shall conduct a final visual inspection of the work area. The final visual inspection shall be conducted after completion of the final cleaning procedures. The final visual inspection shall verify that all PCB Bulk Product Waste and PCB Containing Waste have been removed from the work area. If during the inspection the Consultant identifies residual dust or debris, the Contractor shall comply with the request of the Consultant to render the area "dust free".

3.8 CONSULTANT'S VERIFICATION SAMPLING

A. The Consultant shall perform visual post-cleaning verification as necessary to determine complete removal of PCBs.

B. Once post-cleaning and post-verification sampling has documented the Abatement Zone meets required criteria established, the Contractor shall be permitted to remove decontamination unit, isolation barriers, negative pressure units, etc. These areas shall be subjected to a visual inspection to ensure no visible dust is present.

3.9 MARKING OF WASTE CONTAINERS

A. All waste containers must be marked with the name of the waste contained, the date in which the first material was placed in the vessel, and the last date at which addition of waste occurred. All waste containers must be marked with a large PCB M_L marker.

B. All waste containers containing PCB Bulk Product Waste, PCB Containing Waste, PCB Remediation Waste and Combined Waste (Asbestos and PCB) in the form of waste and contaminated debris, containment system components, used PPE, personal and equipment wash water and decontamination fluids, or other wastes generated during the abatement work shall be labeled as follows:

DOT Class 9 UN3432 (solid)
Or UN2315 (liquid) PCB Waste
RQ
Waste for Disposal
Federal law prohibits improper disposal.
If found, contact the nearest police or public safety authority or
The U.S. Environmental Protection Agency.
Generator's Information: _____
Manifest Tracking No.: _____
Accumulation Start Date: _____
EPA ID No.: _____
EPA Waste No.: _____
Total Weight: _____

Container No.: _____
HANDLE WITH CARE

C. In addition, these containers must be marked with a PCB ML marker.

D. Such marking must be durable, in English and printed on, or affixed to the surface of the package, or on a label, tag or sign, and displayed on a background of sharply contrasting color, is unobscured by labels or attachments, and located away from any other marking (such as advertising) that could substantially reduce its effectiveness.

3.10 ON-SITE WASTE MANAGEMENT AND DISPOSAL OF SOLID HAZARDOUS WASTES

A. All solid waste material, containment system components, used PPE, and other solid wastes generated during the Work, shall be placed directly in appropriate waste receptacles immediately upon removal from its in-situ position. Suitable waste receptacles may consist of roll-off containers or DOT-approved 55-gallon drums.

B. The Contractor shall be responsible for all packaging, labeling, transport, disposal, and recordkeeping associated with PCB Bulk Product Waste, PCB Containing Waste, PCB Remediation Waste and Combined Waste (Asbestos and PCB) in accordance with all federal, state, and local regulations.

C. The Contractor shall ensure that the person transporting the waste holds a valid permit issued in accordance with appropriate federal, state, and local regulations.

D. The Contractor shall provide to the transporter at the time of transfer appropriate shipping records or uniform waste manifests as required by the federal, state, and local regulations with a copy to the Owner and Consultant.

E. The Contractor shall maintain proper follow-up procedures to assure that waste materials have been received by the designated waste site in a timely manner, and in accordance with all federal, state, and local regulations.

F. The Contractor shall assure that disposal of all PCB Waste is at facility(ies) approved to accept such waste(s) and shall provide a tracking/manifest form signed by the landfill's authorized representative.

G. If roll-off containers are to be utilized for containerization of the abatement wastes the following shall apply:

H. All roll-off containers or other similar vessels utilized shall be watertight and lined with 6-mil poly or equivalent impermeable lining, and equipped with a secured and impermeable cover.

I. The impermeable cover shall remain securely in place at all times when material is not being actively placed in the vessels. The Contractor shall be responsible for ensuring that the cover remains securely intact until the container is removed from the Site.

J. If 55-gallon drums are to be utilized for waste containerization, the drums shall consists of suitable DOT-approved 55-gallon drums that are watertight and free of corrosion, perforations, punctures, or other damage. All drums shall be securely covered and sealed at the conclusion of each work day.

K. The waste containers shall remain staged at the Site with a secure impermeable cover in-place until the materials are transported from the Site to be delivered to the designated waste disposal facility.

L. Waste roll-off and barrel staging area shall be designated prior to initiation of the abatement work, and approved by the Consultant. If this area is located outside of the building, the area (or areas) shall be surrounded by a chain-link fence with a minimum height of six feet. The fence shall be labeled with a PCB ML marker.

M. Properly containerized waste must be transported by a licensed hauler, and shipped as PCB Bulk Product Waste for disposal at a permitted soil waste facility in accordance with EPA Title 40 CFR, Part 761.62(b).

N. PCB Containing Waste must be transported by a licensed hauler and shipped as waste containing PCBs < 50 ppm as an *Excluded PCB Product* but in accordance with CTDEEP regulations and standards pursuant to CGS 22a 463-468. Note if waste also contains asbestos facility must accept combination of waste < 50 ppm and regulated asbestos.

O. PCB Remediation Waste must be transported by a licensed hauler and shipped as PCB Remediation for disposal in accordance with EPA Title 40 CFR, Part 761.61(b) at one of the following a facilities:

1. A chemical waste landfill approved under EPA Title 40 CFR, Part 761.75.

P. Provide required copies of the uniform waste manifests for PCB Remediation Waste to the Owner, waste generation State, and waste destination State, as required.

Q. Any PCB liquid water waste shall be properly containerized and decontaminated in accordance with EPA Title 40 CFR, Part 761.79 (b)(1), or disposed in accordance with EPA Title 40 CFR, Part 761.60(a).

R. Any chemicals, solvents or other products used during decontamination shall be properly containerized as PCB liquid waste. Waste must be properly decontaminated in accordance with EPA Title 40 CFR, Part 761.79 (b)(1), or disposed in accordance with EPA Title 40 CFR, Part 761.60(g).

S. All contaminated waste shall be carefully loaded on trucks or other appropriate vehicles for transport. Before and during transport, care shall be exercised to insure that no unauthorized persons have access to the waste materials.

T. Waste transporters are prohibited from "back hauling" any freight after the PCB waste disposal, until decontamination of the vehicle and/or trailer is assured.

END OF SECTION

Appendix N

AAIS Worker Certifications

New York City Department of Environmental Protection
Asbestos Control Program
59-17 Junction Boulevard, 8th Floor
Flushing, New York 11373

Application for Asbestos Investigator

Appendix A

Medical Examination for Asbestos Investigators

Applicant Name: Carmen Asitimbay

Home Address: 195 Canton St

City, State and Zip Code: West Haven CT 06516

Telephone Number: (203) 836-1521

Date of Birth: 01-01-1980

Social Security Number: XX-XX-3626

☐ ORIGINAL

Based upon the medical examination which included pulmonary function tests of vital capacity (FVC) and forced expiratory volume at one second (FEV_1), and an evaluation of a recent chest roentgenogram, it is my opinion that the above named patient (please check appropriate box)

☑ is ☐ is not

physically qualified to wear a respirator in the performance of his/her job.

Limitations: _____

Dr. Rozo Alberto
Print Name of Physician

Signature of Physician

187566
State License Number

October 07 2017
Date of Examination

4046 74 St
Address

718 458 1515
Telephone Number

Please do not include any other medical information with this form.

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

Service Date: 10/04/2018

Medical Surveillance - Asbestos

Patient: Asitimbay, Carmen
SSN: XXX-XX-3626
DOB: 01/01/1980
Gender: F
Marital Status: S
Address: 195 Canton St
WEST HAVEN, CT 06516
Home Phone: (203) 850-9048
Work Phone: Ext.:

Job Title:
Employer: AAIS
Address: PO Box 26066
West Haven, CT 065168066
Job Contact: Daniella Pellegrino
Role: Primary Contact
Phone: (203) 932-2992 **Ext.:** 219
Fax: (203) 932-9892

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 10/04/2018 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [x] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any):

Provider Signature

10/4/18
Date

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Asitimbay, Carmen

Address: 195 Canton St

WEST HAVEN CT 06516

Employer: AAIS

Employee SSN: XXX-XX-3626

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis _____ Total Hours
- ☐ Occasionally - but not more than twice a week _____ Total Hours
- ☐ Rarely - or for Emergency situations only _____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Coke Oven
- ☐ Cadmium
- ☐ Methylene Chloride
- ☐ Textiles
- ☐ Benzene
- ☐ Cotton Seed / Dust
- ☐ Formaldehyde
- ☐ Lead
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ALL that apply)

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (CT**
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional

[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Kristen Kinsbw PAC
Physician's Signature

Kristen Kinsbw PAC
Physician's Name (Printed)

0008101CT
Physician's License Number (Optional in Most States)

10/4/18
Date of Exam

10/4/19
Expires On

Concentra Medical Centers (CT)

370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 10/04/2018

Employee SSN: XXX-XX-3626

Employee Name:
Asitimbay, Carmen

Address:
195 Canton St

WEST HAVEN CT 06516

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

- ☑ There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
- ☐ The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

- ☑ ARE qualified to wear a respirator.
- ☐ Have the following restrictions concerning respirator usage: _____
- ☐ ARE NOT qualified to wear a respirator.
- ☐ Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
- ☐ Must wear Special prescription eye-wear needed to accommodate respirator.
- ☐ Must use an Eye glass conversion kit.
- ☐ May need to shave Facial hair to assure tight seal on certain face masks.
- ☐ Need to stop smoking.

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

PLHCP Signature

Kristen Kinslow PAC
PLHCP Name (printed)

Employee's Signature

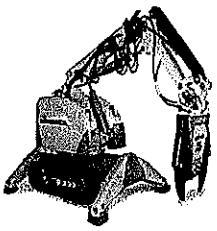
10/4/19
Expiration Date

[1]Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD



NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: CARMEN ASITIMBAY

Social Security #: 3626

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 05/05/18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
Medium / Pass
Large / Pass

Type of Respirator: Racal PAPR / Pass

Type of Respirator: North Full Face / Pass

Type of Respirator : 3M P.A.P.R. / Pass

Employee Signature: Carmen Asitimbay Date: 05/05/18

Administrator: _____ Date: 05/05/18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aaiscorp.com
Affirmative Action / Equal Opportunity Employer

NORTH STAR
Center for Human Development Inc.

2550 Main St Suite One ·
Hartford CT 06120 · Ph.860-246-3526 · Fax 860-278-7077
NorthStarCHD.org

Certifies that

Carmen D. Asitimbay Manya xxx-xx-3626

has successfully met certificate requirements for

40 Hours HAZWOPER Operations Initial Training

In accordance with
OSHA 29 CFR 1910.120

Certificate Number: 080715HAZWI197

Course Date: August 03-07, 2015

Examination Date: August 07, 2015

Expiration Date: August 07, 2016

Guido A. Cortes, CPEA, CPHSA, CMC
Training Director

Certificate of Completion

This is to certify that

Carmen D Asitimbay

Has completed

HAZWOPER 8 hr Annual Refresher

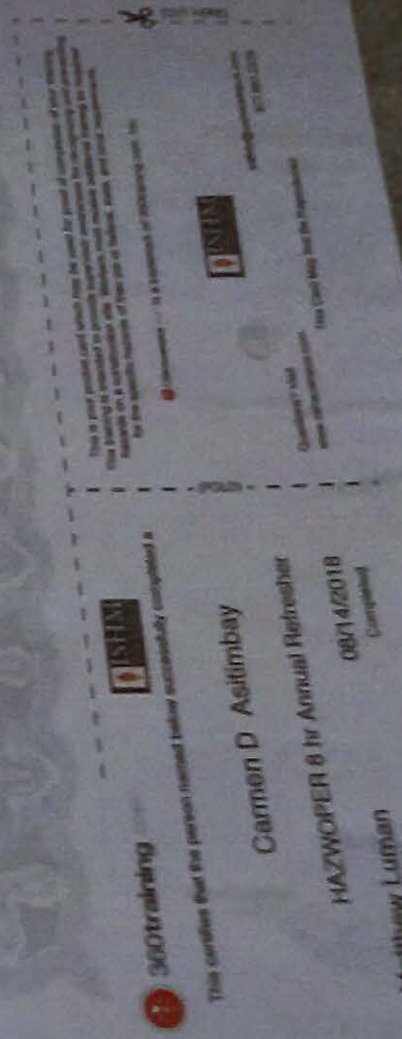
Completion Date: 08/14/2018

Course Duration: 8.0

360training.com

6801 N Capital of Texas Hwy, Suite 150 • Austin, TX 78731 • 877.581.2235 • www.360training.com

ISHM



Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

Service Date: 05/11/2018

Medical Surveillance - Asbestos

Patient:	Asitimbay, Jaime	**Job Title:**	
SSN:	XXX-XX-1209	**Employer:**	AAIS
DOB:	04/30/1982	**Address:**	PO Box 26066
Gender:	M		West Haven, CT 065168066
Marital Status:	S	**Job Contact:**	Daniella Pellegrino
Address:	320 exchange street	**Role:**	Primary Contact
	1st floor	**Phone:**	(203) 932-2992 **Ext.:** 219
	NEW HAVEN, CT 06513	**Fax:**	(203) 932-9892
Home Phone:	(203) 850-1084		
Work Phone:	**Ext.:**	**Race:**	ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 05/11/2018 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [ ] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): _____

Provider Signature

8/11/18
Date

Concentra Medical Centers (CT)

370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 05/11/2018

Employee Name:
Asitimbay, Jaime

Employee SSN: XXX-XX-1209

Address:
320 exchange street
1st floor
NEW HAVEN CT 06513

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

- [x] There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
- [ ] The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

_____

_____

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

- [x] ARE qualified to wear a respirator.
- [ ] Have the following restrictions concerning respirator usage: _____
- [ ] ARE NOT qualified to wear a respirator.
- [ ] Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
- [ ] Must wear Special prescription eye-wear needed to accommodate respirator.
- [ ] Must use an Eye glass conversion kit.
- [ ] May need to shave Facial hair to assure tight seal on certain face masks.
- [ ] Need to stop smoking.

(Check ✓ ALL that apply)

- [x] The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- [ ] The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- [x] In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

PLHCP Signature

PLHCP Name (printed)

Employee's Signature

3/11/19
Expiration Date

[1]Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

Print Date: 05/11/2018
Revision Date: 04/06/2000

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Asitimbay, Jaime

Employer: AAIS

Address:
320 exchange street
1st floor
NEW HAVEN CT 06513

Employee SSN: XXX-XX-1209

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

☐ Air-purifying (non-powered) ☐ Air-purifying (powered)
☐ Atmosphere supplying Respirator
☐ Combination air-line and SCBA
☐ Continous-Flow Respirator
☐ Supplied-Air Respirator
☐ Open Circuit SCBA ☐ Closed Circuit SCBA
☐ Dust Mask ☐ 1/2 Face with Canisters ☐ Full Face with Canisters

Make: ____ Model: ____ Cartridge: ____

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

☐ High Places ☐ Enclosed Places ☐ Protective Clothing
☐ Temperature Extremes ☐ Mostly Cold ☐ Mostly Hot
☐ Other: ____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

☐ On a daily basis ____ Total Hours
☐ Occasionally - but not more than twice a week ____ Total Hours
☐ Rarely - or for Emergency situations only ____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

☐ Light ☐ Moderate ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

☐ Arsenic ☐ Benzene
☐ Coke Oven ☐ Cotton Seed / Dust
☐ Cadmium ☐ Formaldehyde
☐ Methylene Chloride ☐ Lead
☐ Textiles ☐ Chromium

Other(s): ____

EVALUATION AUTHORIZATION BY: ____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check✓ALL that apply)

☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
☐ Class I - No Restrictions on Respirator Use
☐ Class II - Some Specific Use Restrictions ☐ To be used for Emergency Response or Escape Only ☐ Other: ____
☐ Class III - Respirator Use is NOT PERMITTED
☐ Further Testing / Evaluation is Required. [2]
☐ Fit Test Required ☐ Fit Test Performed Satisfactorily
☐ Fit Test Performed Unsatisfactorily ☐ Fit Test NOT Performed at: **Concentra Medical Centers (C1**
☐ Special prescription eyewear needed to accommodate respirator ☐ Special prescription eyewear needed to accommodate respirator
☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional
[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.

☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.

☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Kimberly A Phillips APRN
Physician's Signature

Kimberly A Phillips APRN
Physician's Name (Printed)

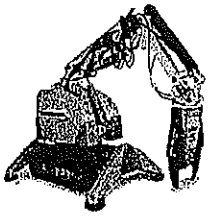
036960 CT
Physician's License Number (Optional in Most States)

5/11/18
Date of Exam

5/11/19
Expires On

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD



NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: JAIME ASITIMBAY

Social Security #: 1209

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 05/11/18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
(Medium / Pass)
Large / Pass

Type of Respirator: Racal PAPR / (Pass)

Type of Respirator: North Full Face / (Pass)

Type of Respirator : 3M P.A.P.R. / (Pass)

Employee Signature: _____ Date: 05/11/18

Administrator: _____ Date: 05/11/18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aaiscorp.com
Affirmative Action / Equal Opportunity Employer

Training Certificate

JAMIE ASITIMBAY

Has successfully completed 40 hour training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 4/26/2014

Expiration Date: 4/26/2015

Certificate # AIS042614-11

Trainer: Rich Meier #63456

Training Certificate

Jaime Asitimbay

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/13/2018

Expiration Date: 1/13/2019

Certificate # AIS011318-29

Trainer: Rich Meier #329

Training Certificate

Jaime Asitimbay

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-27

Trainer: Rich Meier #329

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

Service Date: 06/11/2018

Medical Surveillance - Asbestos

Patient: Bueno, Miguel
SSN: XXX-XX-5678
DOB: 04/13/1988
Gender: M
Marital Status: S
Address: 267 Howard Ave
NEW HAVEN, CT 06519
Home Phone: (203) 508-0749
Work Phone: Ext.:

Job Title:
Employer: AAIS
Address: PO Box 26066
West Haven, CT 065168066
Job Contact: Daniella Pellegrino
Role: Primary Contact
Phone: (203) 932-2992 **Ext.:** 219
Fax: (203) 932-9892

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 06/11/2018 in accordance with: ___29 CFR 1926.1101.
___40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [x] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [x] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): No significant PMH, no surgical history, not on any medications

Provider Signature

6/11/2018
Date

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Bueno, Miguel

Address: 267 Howard Ave
NEW HAVEN CT 06519

Employer: AAIS

Employee SSN: XXX-XX-5678

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis ____ Total Hours
- ☐ Occasionally - but not more than twice a week ____ Total Hours
- ☐ Rarely - or for Emergency situations only ____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Benzene
- ☐ Coke Oven
- ☐ Cotton Seed / Dust
- ☐ Cadmium
- ☐ Formaldehyde
- ☐ Methylene Chloride
- ☐ Lead
- ☐ Textiles
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ALL that apply)

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (CT)**
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional

[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature

CO2810/CT
Physician's License Number (Optional in Most States)

Kristen Kinslow PAC
Physician's Name (Printed)

6/11/18
Date of Exam

6/11/19
Expires On

To be maintained in the employee's file with a copy to the employee

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 06/11/2018

Employee SSN: XXX-XX-5678

Employee Name:
Bueno, Miguel

Address:
267 Howard Ave

NEW HAVEN CT 06519

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

- [x] There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
- [ ] The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

- [x] ARE qualified to wear a respirator.
- [ ] Have the following restrictions concerning respirator usage: _____
- [ ] ARE NOT qualified to wear a respirator.
- [ ] Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
- [ ] Must wear Special prescription eye-wear needed to accommodate respirator.
- [ ] Must use an Eye glass conversion kit.
- [ ] May need to shave Facial hair to assure tight seal on certain face masks.
- [ ] Need to stop smoking.

(Check ✓ ALL that apply)

- [x] The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- [ ] The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- [x] In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

PLHCP Signature

Kristen Krisbow PAC
PLHCP Name (printed)

Employee's Signature

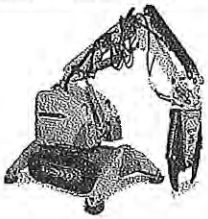
6/11/19
Expiration Date

[1]Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD



NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: Miguel Bueno

Social Security #: 5678

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 06/11/18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
Medium / Pass
Large / Pass

Type of Respirator: Racal PAPR / Pass

Type of Respirator: North Full Face / Pass

Type of Respirator : 3M P.A.P.R. / Pass

Employee Signature: Miguel Bueno Date: 06/11/18

Administrator: _____ Date: 06/11/18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aaiscorp.com

Training Certificate

MIGUEL BUENO

Has successfully completed a training course for

40HR Hazwoper 29 CFR 1910.120

Hazardous Waste Operations & Emergency Response

Presented in West Haven, CT
The 14th Day of July, 2011

Signed R Mello #63456

Training Certificate

Miguel Bueno

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/13/2018

Expiration Date: 1/13/2019

Certificate # AIS011318-26

Trainer: Rich Meier #329

Training Certificate

Miguel Bueno

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-5

Trainer: Rich Meier #329

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Bueno, Walter

Address: 267 Howard Avenue

NEW HAVEN CT 06519

Employer: AAIS

Employee SSN: _____

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis ____ Total Hours
- ☐ Occasionally - but not more than twice a week ____ Total Hours
- ☐ Rarely - or for Emergency situations only ____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Benzene
- ☐ Coke Oven
- ☐ Cotton Seed / Dust
- ☐ Cadmium
- ☐ Formaldehyde
- ☐ Methylene Chloride
- ☐ Lead
- ☐ Textiles
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE **DO NOT WRITE BELOW THIS LINE** **DO NOT WRITE BELOW THIS LINE**

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ALL that apply)

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (CT**
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional

[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature _____

Physician's License Number (Optional in Most States) 092810 /CT

Physician's Name (Printed) Kristen Kinslow PAC

Date of Exam 6/11/18

Expires On 6/11/19

Concentra Medical Centers (CT)

370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0462 Fax: (203) 503-0492

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 06/11/2018

Employee Name:
Bueno, Walter

Employee SSN: _____

Address:
267 Howard Avenue

NEW HAVEN CT 06519

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

- ☑ There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
- ☐ The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

_____

_____

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

- ☑ ARE qualified to wear a respirator.
- ☐ Have the following restrictions concerning respirator usage: _____
- ☐ ARE NOT qualified to wear a respirator.
- ☐ Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
- ☐ Must wear Special prescription eye-wear needed to accommodate respirator.
- ☐ Must use an Eye glass conversion kit.
- ☐ May need to shave Facial hair to assure tight seal on certain face masks.
- ☐ Need to stop smoking.

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

_____
PLHCP Signature

Kristen Kinslow PAC
PLHCP Name (printed)

_____
Employee's Signature

6/11/19
Expiration Date

[1] Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

Service Date: 06/11/2018

Medical Surveillance - Asbestos

Patient: Bueno, Walter
SSN:
DOB: 02/11/1984
Gender: M
Marital Status: S
Address: 267 Howard Avenue
NEW HAVEN, CT 06519
Home Phone: (203) 507-1636
Work Phone: **Ext.:**

Job Title:
Employer: AAIS
Address: PO Box 26066
West Haven, CT 065168066
Job Contact: Daniella Pellegrino
Role: Primary Contact
Phone: (203) 932-2992 **Ext.:** 219
Fax: (203) 932-9892

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 06/11/2018 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [x] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): No significant medical or surgical history, not on any medications

Provider Signature

6/11/2018
Date

Revision Date: 07/21/1999

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD

NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: WALTER BUENO

Social Security #: 1984

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 06-11-18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
(Medium / Pass)
Large / Pass

Type of Respirator: Racal PAPR / (Pass)

Type of Respirator: North Full Face (Pass)

Type of Respirator : 3M P.A.P.R. / (Pass)

Employee Signature: Walter Bueno Date: 06-11-18

Administrator: _____ Date: 06-11-18

Training Certificate

Walter Bueno

Has successfully completed a training course for

40HR Hazwoper - 29 CFR 1910.120

Hazardous Waste Operations & Emergency Response

Presented in West Haven, CT
The 13th Day of April, 2011

Signed #63456

Training Certificate

Walter Bueno

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/13/2018

Expiration Date: 1/13/2019

Certificate # AIS011318-28

Trainer: Rich Meier #329

Training Certificate

Walter Bueno

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-40

Trainer: Rich Meier #329

Concentra Medical Centers (CT)
701 Main Street EAST HARTFORD, CT 06108
Phone: (860) 289-5561 Fax: (860) 291-1895

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 05/01/2018

Employee SSN: XXX-XX-4510

Employee Name:
Funez, Carlos

Address:
2 enders road

WINDSOR CT 06095

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

- ☑ There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
- ☐ The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

_____

_____

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

- ☑ ARE qualified to wear a respirator.
- ☐ Have the following restrictions concerning respirator usage: _____
- ☐ ARE NOT qualified to wear a respirator.
- ☐ Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
- ☐ Must wear Special prescription eye-wear needed to accommodate respirator.
- ☐ Must use an Eye glass conversion kit.
- ☐ May need to shave Facial hair to assure tight seal on certain face masks.
- ☐ Need to stop smoking.

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordence with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the contaminent and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

PLHCP Signature

David Feinstein M.D.
PLHCP Name (printed)

Employee's Signature

5/1/19
Expiration Date

[1]Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

Concentra Medical Centers (CT)
701 Main Street EAST HARTFORD, CT 06108
Phone: (860) 289-5561 Fax: (860) 291-1895

Service Date: 05/01/2018

Medical Surveillance - Asbestos

Patient: Funez, Carlos
SSN: XXX-XX-4510
DOB: 10/30/1972
Gender: M
Marital Status: M
Address: 2 enders road
WINDSOR, CT 06095
Home Phone: (860) 817-4578
Work Phone: Ext.:

Job Title:
Employer: AAIS
Address: PO Box 26066
West Haven, CT 065168066
Job Contact: Daniella Pellegrino
Role: Primary Contact
Phone: (203) 932-2992 **Ext.:** 219
Fax: (203) 932-9892

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 05/01/2018 in accordance with:
- ✓ 29 CFR 1926.1101.
- 40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [ ] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any):

Provider Signature

Date 5/1/18

Concentra Medical Centers (CT)
701 Main Street EAST HARTFORD, CT 06108
Phone: (860) 289-5561 Fax: (860) 291-1895

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Funez, Carlos

Address: 2 enders road

WINDSOR CT 06095

Employer: AAIS

Employee SSN: XXX-XX-4510

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis _____ Total Hours
- ☐ Occasionally - but not more than twice a week _____ Total Hours
- ☐ Rarely - or for Emergency situations only _____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Coke Oven
- ☐ Cadmium
- ☐ Methylene Chloride
- ☐ Textiles
- ☐ Benzene
- ☐ Cotton Seed / Dust
- ☐ Formaldehyde
- ☐ Lead
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check✓ALL that apply)

- ☐ Employee must schedule a medical examination with Concentra Medical Centers (CT) prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: Concentra Medical Centers (CT)
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional
[2] Employee must seek further medical evaluation by a private physician who must submit a report to Concentra Medical Centers (CT) of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature

Physician's License Number (Optional in Most States) 106693 - CT

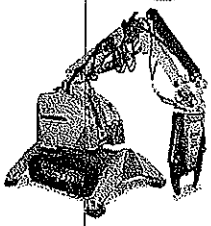
Physician's Name (Printed) David Feinstein M.D.

Date of Exam 5/1/18

Expires On 5/1/19

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD



NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: CARLOS FUNEZ

Social Security #: 4510

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 05/01/18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
Medium / Pass
Large / Pass

Type of Respirator: Racal PAPR / Pass

Type of Respirator: North Full Face / Pass

Type of Respirator : 3M P.A.P.R. / Pass

Employee Signature: Carlos Funez Date: 05/01/18

Administrator: _____ Date: 05/01/18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aaiscorp.com
Affirmative Action / Equal Opportunity Employer

EARTH ENVIRONMENTAL CONSULTANTS LLC

TRAINING DIVISION

11 Norden Place, Unit 14, Norwalk, CT 06855, Phone: 203-831-8911; Fax: 203-286-7997

Certifies that

Carlos Funez

Date of Birth: 10-30-1972
SS#: xxx-xx-4510

Has successfully met certificate requirements for

40 Hour HAZWOPER Operations Initial Training
In accordance with OSHA 29 CFR 1910.120

Conducted April 18, 19, 20, 21, and 22, 2011

Certificate Number
042211HAZWI101

Date of Course Completion: April 22, 2011

Accreditation Expires: April 22, 2012

Eduardo

Training Director Eduardo Meza

Training Certificate

Carlos Funez Sr.

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/13/2018

Expiration Date: 1/13/2019

Certificate # AIS011318-44

Trainer: Rich Meier #329

Training Certificate

Carlos Funez Sr.

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-36

Trainer: Rich Meier #329

Service Date: 01/08/2018

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax. (203) 503-0492

Medical Surveillance - Asbestos

Patient: Guzman, Daniel
SSN: XXX-XX-4762
DOB: 07/01/1964
Gender: M
Marital Status: S
Address: 35 Main Street
NEW HAVEN, CT 06513
Home Phone: (203) 589-7292
Work Phone: ______ **Ext.:** ______

Job Title: ______
Employer: AAIS
Address: PO Box 26066
West Haven, CT 065168066
Job Contact: Daniella Pellegrino
Role: Primary Contact
Phone: (203) 932-2992 **Ext.:** 219
Fax: (203) 932-9892

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 01/08/2018 in accordance with:
____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [x] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): ______

[signature] PA-C
Provider Signature

~~1/8/18~~ 1/8/18 err KK
Date

Revision Date: 07/21/1999

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Guzman, Daniel

Employer: AAIS

Address:
35 Main Street
NEW HAVEN CT 06513

Employee SSN: XXX-XX-4762

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions
(Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis _____ Total Hours
- ☐ Occasionally - but not more than twice a week _____ Total Hours
- ☐ Rarely - or for Emergency situations only _____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Coke Oven
- ☐ Cadmium
- ☐ Methylene Chloride
- ☐ Textiles
- ☐ Benzene
- ☐ Cotton Seed / Dust
- ☐ Formaldehyde
- ☐ Lead
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ALL that apply)

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (CT)**
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional
[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature

Kristen Kinslow PAC
Physician's Name (Printed)

00280 / CT
Physician's License Number (Optional in Most States)

1/8/18
Date of Exam

1/8/19
Expires On

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 01/08/2018

Employee Name:
Guzman, Daniel

Employee SSN: XXX-XX-4762

Address:
35 Main Street

NEW HAVEN CT 06513

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

- ☑ There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
- ☐ The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

- ☑ ARE qualified to wear a respirator.
- ☐ Have the following restrictions concerning respirator usage: _____
- ☐ ARE NOT qualified to wear a respirator.
- ☐ Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
- ☐ Must wear Special prescription eye-wear needed to accommodate respirator.
- ☐ Must use an Eye glass conversion kit.
- ☐ May need to shave Facial hair to assure tight seal on certain face masks.
- ☐ Need to stop smoking.

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

PLHCP Signature

Kristen Kinslow PHC
PLHCP Name (printed)

Employee's Signature

1/8/19
Expiration Date

[1]Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD

NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: DANIEL GUZMAN

Social Security #: 4762

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 01/08/18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
Medium / Pass
Large / Pass

Type of Respirator: Racal PAPR / Pass

Type of Respirator: North Full Face / Pass

Type of Respirator : 3M P.A.P.R. / Pass

Employee Signature: _____ Date: 01/08/18

Administrator: _____ Date: 01/08/18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aaiscorp.com
Affirmative Action / Equal Opportunity Employer

ANDO International, Inc.

Safety & Environmental Training • Consulting

QUALITATIVE RESPIRATORY FIT TEST

This Respirator Fit Test is valid for the period of twelve (12) months from the date of test.

Name: Daniel Guzman

Address: 35 main st Apt 2C

SSN: 4762 DOB: 07-01-64 TEL: 203 589-7292

RESPIRATORS TESTED - SUCCESSFUL TEST

Test Agent : 1. Irritant Smoke ✓ 2. Odorous Vapor _____ 3. Taste Test _____

HALF FACE MASK ONLY

BRAND NAME: (1) NORTH 7700 (2) _____ SIZE (1) M (2) _____

TEST DATE: 12-22-18 FIT TEST NUMBER: 122218CAHF05

Name of person performing respiratory fit test Carlos Acosta

Signature Carlos Acosta

44-01 21st Street 3rd Floor Long Island City, NY 11101 • Tel: 718)349-3235 • Fax: (718)349-3238
www.andointernational.com

ANDO International
44-01 21st St., #301
Long Island City, NY 11101
Tel: (718) 349-3235

ANDO International

Environmental and Occupational Health and Safety Training

44-01 21st Street, Long Island City, NY 11101

Tel: (718) 349-3235 Fax: (718) 349-3238

HEREBY CERTIFIES THAT

Daniel E. Guzman

HAS SUCCESSFULLY COMPLETED 40 HOURS OSHA COURSE ENTITLED

OSHA HAZWOPER WORKER COURSE

IN ACCORDANCE WITH 29 CFR 1910.120 OSHA REGULATIONS

HAZARDOUS WASTE OPERATION AND EMERGENCY RESPONSE HEALTH AND SAFETY

On this 11th Day of November, 2010
Date(s) of Course: 11/8,9,10,11/2010

Director: Mariusz Oldakowski

Completion Date: 11/11/2010
Certificate #: 111110OSHAH-08
Protective Equipment Level:
"B","C","D"

85%

Training Certificate

Daniel Guzman

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-13

Trainer: Rich Meier #329

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

Medical Surveillance - Asbestos

Service Date: 05/25/2018

Patient:	Guzman, Luis	**Job Title:**	
SSN:	XXX-XX-0674	**Employer:**	AAIS
DOB:	07/27/1974	**Address:**	PO Box 26066
Gender:	M		
Marital Status:	S		West Haven, CT 065168066
Address:	35 Main Street	**Job Contact:**	Daniella Pellegrino
	Apt 2C	**Role:**	Primary Contact
	NEW HAVEN, CT 06513	**Phone:**	(203) 932-2992 **Ext.:** 219
Home Phone:	(860) 736-7911	**Fax:**	(203) 932-9892
Work Phone:	**Ext.:**		

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 05/25/2018 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [x] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): _____

Provider Signature

5/25/18
Date

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Guzman, Luis

Employer: AAIS

Address:
35 Main Street
Apt 2C
NEW HAVEN CT 06513

Employee SSN: XXX-XX-0674

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: ____ Model: ____ Cartridge: ____

Special Work Conditions
(Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: ____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis ____ Total Hours
- ☐ Occasionally - but not more than twice a week ____ Total Hours
- ☐ Rarely - or for Emergency situations only ____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

☐ Light ☐ Moderate ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Benzene
- ☐ Coke Oven
- ☐ Cotton Seed / Dust
- ☐ Cadmium
- ☐ Formaldehyde
- ☐ Methylene Chloride
- ☐ Lead
- ☐ Textiles
- ☐ Chromium

Other(s): ____

EVALUATION AUTHORIZATION BY: ____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check✓ALL that apply)

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other ____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (CT**
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional
[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature: [signature] PAC

Physician's Name (Printed): Kristen Kinslow PAC

Physician's License Number (Optional in Most States): 002810 / CT

Date of Exam: 5/25/18

Expires On: 5/25/19

To be maintained in the employee's file with a copy to the employee

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 05/25/2018

Employee Name: Guzman, Luis

Employee SSN: XXX-XX-0674

Address:
35 Main Street
Apt 2C
NEW HAVEN CT 06513

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

- ☑ There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
- ☐ The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

- ☑ ARE qualified to wear a respirator.
- ☐ Have the following restrictions concerning respirator usage: _____
- ☐ ARE NOT qualified to wear a respirator.
- ☐ Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
- ☐ Must wear Special prescription eye-wear needed to accommodate respirator.
- ☐ Must use an Eye glass conversion kit.
- ☐ May need to shave Facial hair to assure tight seal on certain face masks.
- ☐ Need to stop smoking.

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

PLHCP Signature

Kristen Kinslow PAC
PLHCP Name (printed)

Employee's Signature

5/25/19
Expiration Date

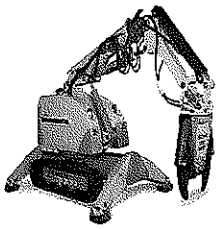
[1]Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

Print Date: 05/25/2018
Revision Date: 04/06/2000

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD



NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: Luis Guzman

Social Security #: 0674

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 05-25-18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

~~Small / Pass~~
Medium / Pass
~~Large / Pass~~

Type of Respirator: Racal PAPR / Pass

Type of Respirator: North Full Face / Pass

Type of Respirator : 3M P.A.P.R. / Pass

Employee Signature: _____ Date: 05-25-18

Administrator: _____ Date: 05-25-18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aaiscorp.com
Affirmative Action / Equal Opportunity Employer

Training Certificate

LUIS GUZMAN

Has successfully completed 40 hour training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 4/26/2014

Expiration Date: 4/26/2015

Certificate # AIS042614-15

Trainer: Rich Meier #63456

Training Certificate

Luis Guzman

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/21/2017

Expiration Date: 1/21/2018

Certificate # AIS012117-53

Trainer: Rich Meier #329

Medical evaluation for respiratory protection

In compliance with 29.CFR 1910.134 Respiratory Protection Standard and CFR 1926.1101
Asbestos Exposure in Construction

ANDO-MED, INC
44-01 21st St. 3rd Fl.
Long Island City, NY 11101
tel.:(718) 349-3235

All the information that you provide in this questionnaire is strictly confidential and will become part of your medical record.

Date: 12/9/17

Patient Information

Patient SSN: 030-20-9897 **Patient Name:** (First/MI/Last) LUIS G MACAO	**Sex:** M ✓ F ○	**Date of** 12-09-17 **Birth:** (mm/dd/yyyy) 12-02-1987
Patient address: 186 CHATHAM ST NEW HAVEN CT 06513		
telephone number: 203 821-1181		

Examination

HEIGHT:	**WEIGHT:**	**BP:**	**PULSE:**	**RESP:**
5'05	165			

Have you ever had any respiratory problems:
shortness of breath:
chest pain: NO
wheezing:

Tobacco: NO	Do you use tobacco?...... ○ Currently ○ Previously ⊘ Never	
	If previously, when did you quit?.....................	How many per day?.......

The above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Based upon medical examination which included pulmonary function test it is my opinion that the above named patient
(IS) **IS NOT**
physically qualified to wear a respirator in the performance of his/her job.

RENATA UKOWSKA MD
Attending Physician MED
NEHDI # 400323 Lic # 251258
NPI # 1467…0563 MMIS # 696666

______________________ ______________________
print name of physician signature of physician

Medical evaluation for respiratory protection

In compliance with 29.CFR 1910.134 Respiratory Protection Standard and CFR 1926.1101 Asbestos Exposure in Construction

ANDO-MED, INC
44-01 21st St. 3rd Fl.
Long Island City, NY 11101
tel.:(718) 349-3235

All the information that you provide in this questionnaire is strictly confidential and will become part of your medical record.

Date: 12/01/18

Patient Information

Patient SSN: **Patient Name:** (First/MI/Last) LUIS G MACAO	**Sex:** M ✓ F ○	**Date of Birth:** (mm/dd/yyyy) 11-12-02-1987
Patient address: 186 CHATHAM ST NEW HAVEN CT 06513		
telephone number: 203 821 1181		

Examination

HEIGHT:	WEIGHT:	BP:	PULSE:	RESP:
5'05	142 lbs	120/77	77	13

Have you ever had any respiratory problems:
shortness of breath: No
chest pain:
wheezing:

Tobacco: No	Do you use tobacco?..... ○ Currently ○ Previously ✓ Never
	If previously, when did you quit?..... How many per day?.....

The above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Based upon medical examination which included pulmonary function test it is my opinion that the above named patient
IS / **IS NOT**
physically qualified to wear a respirator in the performance of his/her job.

print name of physician

signature of physician

ANDO International., Inc.

Safety & Environmental Training • Consulting

QUALITATIVE RESPIRATORY FIT TEST

This Respirator Fit Test is valid for the period of twelve (12) months from the date of test.

Name: LUIS G MACAO

Address 186 CHATHAM ST NEW HAVEN CT 06513

SSN: 030-20-9897 DOB: 12-02-87 TEL. 203 821 1181

RESPIRATORS TESTED - SUCCESSFUL TEST

Test Agent : 1. Irritant Smoke__X_ 2. Odorous Vapor_____ 3. Taste Test_____

HALF FACE MASK ONLY

BRAND NAME (1) 7700 NORTH (2)_____ SIZE (1) M (2)_____

TEST DATE 12-9-17 FIT TEST NUMBER 12917 CA HF 10

Name of person performing respiratory fit test Confesor Acosta

Signature Confesor Acosta

ANDO International
44-01 21st Street, #301
Long Island City, NY 11101
Tel: (718) 349-3235

ANDO International, Inc.

Safety & Environmental Training • Consulting

QUALITATIVE RESPIRATORY FIT TEST

This Respirator Fit Test is valid for the period of twelve (12) months from the date of test.

Name: LUIS G MACAO

Address: 186 CHATHAM ST NEW HAVEN CT 06513

SSN: 030-20-9897 **DOB:** 12-02-87 **TEL:** 203 821 1181

RESPIRATORS TESTED - SUCCESSFUL TEST

Test Agent : 1. Irritant Smoke ✓ **2. Odorous Vapor**_____ **3. Taste Test**_____

HALF FACE MASK ONLY

BRAND NAME: (1) 7700 NORTH **(2)**_____ **SIZE (1)** M **(2)**_____

TEST DATE: 12-01-18 **FIT TEST NUMBER:** 120118 CA HF 07

Name of person performing respiratory fit test Confesor Acosta

Signature Confesor Acosta

ANDO International
44-01 21st St., #301
Long Island City, NY 11101
Tel: (718) 349-3235

Training Certificate

LUIS MACAO

Has successfully completed 40 hour training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 4/26/2014

Expiration Date: 4/26/2015

Certificate # AIS020314-27

Trainer: Rich Meier #63456

Training Certificate

Luis Macao

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/13/2018

Expiration Date: 1/13/2019

Certificate # AIS011318-48

Trainer: Rich Meier #329

Training Certificate

Luis Macao

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-11

Trainer: Rich Meier #329

Medical evaluation for respiratory protection

In compliance with 29.CFR 1910.134 Respiratory Protection Standard and CFR 1926.1101 Asbestos Exposure in Construction

ANDO-MED, INC
44-01 21st St. 3rd Fl.
Long Island City, NY 11101
tel.:(718) 349-3235

All the information that you provide in this questionnaire is strictly confidential and will become part of your medical record.

Date: 09 - 16 - 17

Patient Information

Patient SSN: 164022852 **Patient Name:** (First/MI/Last) Rene Medranda	**Sex:** M ⊗ F ○	**Date of Birth:** (mm/dd/yyyy) 09-05-79
Patient address: 144 east Main st		
telephone number: 2039013916		

Examination

HEIGHT:	WEIGHT:	BP:	PULSE:	RESP:
5'10	250 lbs			

Have you ever had any respiratory problems:
shortness of breath: No
chest pain: No
wheezing: No

Tobacco: No	Do you use tobacco?..... ○ Currently ○ Previously ⊗ Never
	If previously, when did you quit?..... How many per day?.....

The above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Based upon medical examination which included pulmonary function test it is my opinion that the above named patient IS / IS NOT physically qualified to wear a respirator in the performance of his/her job.

print name of physician

signature of physician

STAPLES

Medical evaluation for respiratory protection

In compliance with 29.CFR 1910.134 Respiratory Protection Standard and CFR 1926.1101 Asbestos Exposure in Construction

ANDO-MED, INC
44-01 21st St. 3rd Fl.
Long Island City, NY 11101
tel.:(718) 349-3235

The information that you provide in this questionnaire is strictly confidential and will become part of your medical record.

Date: 09/08/2018

Patient Information

Patient SSN: Patient Name: (First/MI/Last) Rene Medranda	Sex: M ✓ F ○	Date of Birth: (mm/dd/yyyy) 9/5/1979
Patient address: 144 E Main St, Clinton CT		
Telephone number: 203-901-3916		

Examination

HEIGHT:	WEIGHT:	BP:	PULSE:	RESP:
6'00	245 lbs	120/75	70	13

Have you ever had any respiratory problems:
shortness of breath: No
chest pain: No
wheezing: No

Tobacco:	
No	Do you use tobacco?..... ○ Currently ○ Previously ○ Never
	If previously, when did you quit?..... How many per day?.....

The above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Based upon medical examination which included pulmonary function test it is my opinion that the above named patient

IS / **IS NOT**

physically qualified to wear a respirator in the performance of his/her job.

print name of physician

signature of physician

ANDO International, Inc.

Safety & Environmental Training • Consulting

QUALITATIVE RESPIRATORY FIT TEST

This Respirator Fit Test is valid for the period of twelve (12) months from the date of test.

Name: Rene Medranda

Address: 144 east Main ST CLINTON CT 06413

SSN: 2852 **DOB:** 09-05-79 **TEL:** 203 9013916

RESPIRATORS TESTED - SUCCESSFUL TEST

Test Agent : 1. Irritant Smoke ✓ **2. Odorous Vapor** — **3. Taste Test** —

HALF FACE MASK ONLY

BRAND NAME: (1) 7700 NORTH **(2)** — **SIZE (1)** M **(2)** —

TEST DATE: 9-8-2018 **FIT TEST NUMBER:** 982018-HF-CA-013

Name of person performing respiratory fit test Confesor Acosta

Signature Confesor Acosta

ANDO International
44-01 21st St., #301
Long Island City, NY 11101
Tel: (718) 349-3235

OSHA Training Institute Education Centers
Keene State College

800-449-6742
outreach.keeneosha.com

OSHA recommends Outreach Training Courses as an orientation to occupational safety and health for workers. Participation is voluntary. Workers must receive additional training on specific hazards of their job. This course completion card does not expire.

Use or distribution of this card for fraudulent purposes, including false claims of having received training, may result in prosecution under 18 U.S.C. 1001. Potential penalties include substantial criminal fines, imprisonment up to 5 years, or both.

To verify this training, scan the QR code with your mobile device.

Rev. 1/2016

OSHA
Occupational Safety and Health Administration

11-006011238

This card acknowledges that the recipient has successfully completed:

10-hour Construction Safety and Health

This card issued to:

Rene Medrando

Richard Meier Jr
Trainer Name

7/23/2016
Date of Issue

40 HOUR HAZARDOUS WASTE WORKER

[redacted]

RENE MEDRANDA

Certificate Number: 4192225410114

S.S.#: XXX-XX-2852

Date Completed: 1/17/2014

Refresher Date: 1/17/2014

Instructor: MANUEL MEDEIROS

S CERTIFICATE INDICATES SUCCESSFUL COMPLETION OF TRAINING AS REQUIRED BY OSHA 29 CFR 1910.120.

Confined Space Awareness

[redacted]

RENE MEDRANDA

Certificate Number: 4192225consspc0114

S.S.#: XXX-XX-2852

Date Completed: 1/16/2014

Director: JOSEPH M. SABITONI

Instructor: MANUEL MEDEIROS

HAZARD WASTE WORKER REFRESHER TRAINING COURSE

[redacted]

RENE FABRICIO

Certificate Number: 4192225413301115

S.S.#: XXX-XX-2852

Completed Initial Course:

Refresher Completed: 1/10/2015

Refresher Date: 1/10/2016

COMPLIES WITH OSHA 29 CFR 1910.120.

Training Certificate

Rene Medranda

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/13/2018

Expiration Date: 1/13/2019

Certificate # AIS011318-32

Trainer: Rich Meier #329

Training Certificate

Rene Medranda

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-29

Trainer: Rich Meier #329

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

Service Date: 06/08/2018

Medical Surveillance - Asbestos

Patient: Pardo, Wilmer
SSN: XXX-XX-9723
DOB: 08/26/1975
Gender: M
Marital Status: M
Address: 77 PIERPONT ST
NEW HAVEN, CT 06513
Home Phone: (631) 742-6032
Work Phone: Ext.:

Job Title:
Employer: AAIS
Address: PO Box 26066
West Haven, CT 065168066
Job Contact: Daniella Pellegrino
Role: Primary Contact
Phone: (203) 932-2992 **Ext.:** 219
Fax: (203) 932-9892

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 06/08/2018 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [x] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): _____

PAC
Provider Signature

6/8/18
Date

Concentra Medical Centers (CT)

370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Pardo, Wilmer

Employer: AAIS

Address: 77 PIERPONT ST
NEW HAVEN CT 06513

Employee SSN: XXX-XX-9723

Check Type of Respirator(s) To Be Used **(Check ✓ALL that apply)**

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: ____________ Model: ____________ Cartridge: ____________

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: ____________

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage **(Check ✓ALL that apply)**

- ☐ On a daily basis _____ Total Hours
- ☐ Occasionally - but not more than twice a week _____ Total Hours
- ☐ Rarely - or for Emergency situations only _____ Total Hours

Expected Physical Effort Required **(Check ✓ALL that apply)**

☐ Light ☐ Moderate ☐ Heavy

Exposure to Hazardous Materials **(Check ✓ALL that apply)**

- ☐ Arsenic
- ☐ Benzene
- ☐ Coke Oven
- ☐ Cotton Seed / Dust
- ☐ Cadmium
- ☐ Formaldehyde
- ☐ Methylene Chloride
- ☐ Lead
- ☐ Textiles
- ☐ Chromium

Other(s): ____________

EVALUATION AUTHORIZATION BY: ____________
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual **(Check ✓ALL that apply)**

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: ____________
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (C**
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional

[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature: [signature] PAC

Physician's Name (Printed): Kristen Klosbw PAC

Physician's License Number (Optional in Most States): 002810 / CT

Date of Exam: 6/8/18

Expires On: 6/8/19

To be maintained in the employee's file with a copy to the employee

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 06/08/2018

Employee SSN: XXX-XX-9723

Employee Name:
Pardo, Wilmer

Address:
77 PIERPONT ST

NEW HAVEN CT 06513

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

- [x] There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
- [ ] The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

_____

_____

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

- [x] ARE qualified to wear a respirator.
- [ ] Have the following restrictions concerning respirator usage: _____
- [ ] ARE NOT qualified to wear a respirator.
- [ ] Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
- [ ] Must wear Special prescription eye-wear needed to accommodate respirator.
- [ ] Must use an Eye glass conversion kit.
- [ ] May need to shave Facial hair to assure tight seal on certain face masks.
- [ ] Need to stop smoking.

(Check ✓ ALL that apply)

- [x] The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- [ ] The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- [x] In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

PLHCP Signature

Kristen Kinslow PAC
PLHCP Name (printed)

Employee's Signature

6/8/19
Expiration Date

[1]Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD

NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: WILMER PARDO

Social Security #: 9723

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 06/08/18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
(Medium / Pass)
Large / Pass

Type of Respirator: Racal PAPR / (Pass)

Type of Respirator: North Full Face (Pass)

Type of Respirator : 3M P.A.P.R. / (Pass)

Employee Signature: _____ Date: 06/08/18

Administrator: _____ Date: 06/08/18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aaiscorp.com
Affirmative Action / Equal Opportunity Employer

CT Safety Consulting, LLC

Certificate of Achievement

This certificate is awarded to

Wilmer Pardo

Diligently and with merit completed the 40 hour Hazwoper Course. This Certification is in compliance with OSHA and the EPA Standards and Regulations.

Signature OSHA/EPA Instructor R-I-75920-10-00019

7-30-12
Date

Training Certificate

Wilmer Pardo

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-6

Trainer: Rich Meier #329

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Torres, Wladimir

Address: 460 Howard Ave

NEW HAVEN CT 06519

Employer: AAIS

Employee SSN: XXX-XX-6875

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions
(Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis ____ Total Hours
- ☐ Occasionally - but not more than twice a week ____ Total Hours
- ☐ Rarely - or for Emergency situations only ____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Benzene
- ☐ Coke Oven
- ☐ Cotton Seed / Dust
- ☐ Cadmium
- ☐ Formaldehyde
- ☐ Methylene Chloride
- ☐ Lead
- ☐ Textiles
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ALL that apply)

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (CT**
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional

[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

R. Allen MD
Physician's Signature

Forest Allen
Physician's Name (Printed)

CT-03139
Physician's License Number (Optional in Most States)

3/28/18 3/28/19
Date of Exam Expires On

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

Service Date: 03/28/2018

Medical Surveillance - Asbestos

Patient:	Torres, Wladimir	**Job Title:**	
SSN:	XXX-XX-6875	**Employer:**	AAIS
DOB:	03/28/1982	**Address:**	PO Box 26066
Gender:	M		West Haven, CT 065168066
Marital Status:	S	**Job Contact:**	Daniella Pellegrino
Address:	460 Howard Ave	**Role:**	Primary Contact
	NEW HAVEN, CT 06519	**Phone:**	(203) 932-2992 **Ext.:** 219
Home Phone:	(203) 715-9041	**Fax:**	(203) 932-9892
Work Phone:	**Ext.:**	**Race:**	ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 03/28/2018 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [ ] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [ ] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): _____

Provider Signature _____ Date 3/28/18

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 03/28/2018

Employee Name:
Torres, Wladimir

Employee SSN: XXX-XX-6875

Address:
460 Howard Ave

NEW HAVEN CT 06519

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

☑ There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
☐ The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

_____

_____

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

☑ ARE qualified to wear a respirator.
☐ Have the following restrictions concerning respirator usage: _____
☐ ARE NOT qualified to wear a respirator.
☐ Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
☐ Must wear Special prescription eye-wear needed to accommodate respirator.
☐ Must use an Eye glass conversion kit.
☐ May need to shave Facial hair to assure tight seal on certain face masks.
☐ Need to stop smoking.

(Check ✓ ALL that apply)

☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.

☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.

☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator. Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

L. Allen
PLHCP Signature

Trent Allen MD
PLHCP Name (printed)

Employee's Signature

3/28/19
Expiration Date

[1] Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD

NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: WLADIMIR TORRES

Social Security #: 6875

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 03/29/18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
Medium / Pass
(Large / Pass)

Type of Respirator: Racal PAPR / (Pass)

Type of Respirator: North Full Face / (Pass)

Type of Respirator : 3M P.A.P.R. / (Pass)

Employee Signature: VLADIMIR TORRES Date: 03/29/18

Administrator: _____ Date: 03/29/18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aaiscorp.com
Affirmative Action / Equal Opportunity Employer

Training Certificate

Wladimir Torres

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/13/2018

Expiration Date: 1/13/2019

Certificate # AIS011318-19

Trainer: Rich Meier #329

Training Certificate

Wladimir Torres

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-21

Trainer: Rich Meier #329

Concentra Medical Centers (CT)
701 Main Street EAST HARTFORD, CT 06108
Phone: (860) 289-5561 Fax: (860) 291-1895

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Ustimenro, Konstantin

Employer: AAIS

Address: 17 Sawmill Cr

WETHERSFIELD CT 06109

Employee SSN: XXX-XX-4961

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis ____ Total Hours
- ☐ Occasionally - but not more than twice a week ____ Total Hours
- ☐ Rarely - or for Emergency situations only ____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Coke Oven
- ☐ Cadmium
- ☐ Methylene Chloride
- ☐ Textiles
- ☐ Benzene
- ☐ Cotton Seed / Dust
- ☐ Formaldehyde
- ☐ Lead
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ALL that apply)

- ☑ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions ☐ To be used for Emergency Response or Escape Only ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily ☐ Fit Test NOT Performed at: **Concentra Medical Centers (CT)**
- ☐ Special prescription eyewear needed to accommodate respirator ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional
[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature

Physician's License Number (Optional in Most States)

Physician's Name (Printed)

Date of Exam 3/10/15

Expires On 3/10/18

Concentra Medical Centers (CT)
701 Main Street EAST HARTFORD, CT 06108
Phone: (860) 289-5561 Fax: (860) 291-1895

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 03/10/2017

Employee Name:
Ustimenro, Konstantin

Employee SSN: XXX-XX-4961

Address:
17 Sawmill Cr

WETHERSFIELD CT 06109

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

- ☑ There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
- ☐ The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

- ☑ ARE qualified to wear a respirator.
- ☐ Have the following restrictions concerning respirator usage: _____
- ☐ ARE NOT qualified to wear a respirator.
- ☐ Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
- ☐ Must wear Special prescription eye-wear needed to accommodate respirator.
- ☐ Must use an Eye glass conversion kit.
- ☐ May need to shave Facial hair to assure tight seal on certain face masks.
- ☐ Need to stop smoking.

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

PLHCP Signature

PLHCP Name (printed)

Employee's Signature

3/10/18
Expiration Date

[1]Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

Concentra Medical Centers (CT)
701 Main Street EAST HARTFORD, CT 06108
Phone: (860) 289-5581 Fax: (860) 291-1895

Service Date: 03/10/2017

Medical Surveillance - Asbestos

Patient: Ustimenro, Konstantin
SSN: XXX-XX-4961
DOB: 05/22/1964
Gender: M
Marital Status: M
Address: 17 Sawmill Cr
WETHERSFIELD, CT 06109
Home Phone: (860) 680-6904
Work Phone: Ext.:

Job Title:
Employer: AAIS
Address: PO Box 26066
West Haven, CT 065168066
Job Contact: Daniella Pellegrino
Role: Primary Contact
Phone: (203) 932-2992 **Ext.:** 219
Fax: (203) 932-9892

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 03/10/2017 in accordance with: ✓ 29 CFR 1926.1101.
___ 40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [x] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [ ] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [ ] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [ ] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): _____

Provider Signature

3/10/17
Date

Concentra Medical Centers (CT)
701 Main Street EAST HARTFORD, CT 06108
Phone: (860) 289-5561 Fax: (860) 291-1895

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 03/08/2018

Employee Name: Ustimenro, Konstantin

Employee SSN: XXX-XX-4961

Address:
17 Sawmill Cr

WETHERSFIELD CT 06109

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

- ☑ There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
- ☐ The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

_____

_____

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

- ☑ ARE qualified to wear a respirator.
- ☐ Have the following restrictions concerning respirator usage: _____
- ☐ ARE NOT qualified to wear a respirator.
- ☐ Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
- ☐ Must wear Special prescription eye-wear needed to accommodate respirator.
- ☐ Must use an Eye glass conversion kit.
- ☐ May need to shave Facial hair to assure tight seal on certain face masks.
- ☐ Need to stop smoking.

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

PLHCP Signature

David Feinstein M.D.
PLHCP Name (printed)

Employee's Signature

3/8/19
Expiration Date

[1]Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

Concentra Medical Centers (CT)
701 Main Street EAST HARTFORD, CT 06108
Phone: (860) 289-5561 Fax: (860) 291-1895

Service Date: 03/08/2018

Medical Surveillance - Asbestos

Patient: Ustimenro, Konstantin
SSN: XXX-XX-4961
DOB: 05/22/1964
Gender: M
Marital Status: M
Address: 17 Sawmill Cr
WETHERSFIELD, CT 06109
Home Phone: (860) 680-6904
Work Phone: Ext.:

Job Title:
Employer: AAIS
Address: PO Box 26066
West Haven, CT 065168066
Job Contact: Daniella Pellegrino
Role: Primary Contact
Phone: (203) 932-2992 **Ext.:** 219
Fax: (203) 932-9892

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 03/08/2018 in accordance with: ✓ 29 CFR 1926.1101.
___ 40 CFR 763.121.

The following was performed:

- [✓] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [✓] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [✓] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [ ] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [✓] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): _____

Provider Signature

3/8/18
Date

Concentra Medical Centers (CT)
701 Main Street EAST HARTFORD, CT 06108
Phone: (860) 289-5561 Fax: (860) 291-1895

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Ustimenro, Konstantin

Address: 17 Sawmill Cr

WETHERSFIELD CT 06109

Employer: AAIS

Employee SSN: XXX-XX-4961

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions
(Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis _____ Total Hours
- ☐ Occasionally - but not more than twice a week _____ Total Hours
- ☐ Rarely - or for Emergency situations only _____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Benzene
- ☐ Coke Oven
- ☐ Cotton Seed / Dust
- ☐ Cadmium
- ☐ Formaldehyde
- ☐ Methylene Chloride
- ☐ Lead
- ☐ Textiles
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ALL that apply)

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (CT**
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional
[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature

Physician's License Number (Optional in Most States) 166293-C

David Feinstein M.D.
Physician's Name (Printed)

Date of Exam 3/8/18

Expires On 3/8/19

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD

NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: Konstantin Ustimenco

Social Security #: 4961

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: Auditorium Rd Ext. Storr CT

Date Tested: 3/8/18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
Medium / Pass
Large / Pass

Type of Respirator: Racal PAPR / Pass

Type of Respirator: North Full Face / Pass

Type of Respirator : 3M P.A.P.R. / Pass

Employee Signature: Ustimenco Date: 3/8/18

Administrator: [signature] Date: 3/8/18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aalscorp.com
Affirmative Action / Equal Opportunity Employer

Training Certificate

KONSTANTIN USTIMENKO

Has successfully completed a training course for

40HR Hazwoper 29 CFR 1910.120

Hazardous Waste Operations & Emergency Response

Presented in West Haven, CT
The 14th Day of July, 2011

Signed Ustimenko #63456

Training Certificate

Konstantin Ustimenko

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/13/2018

Expiration Date: 1/13/2019

Certificate # AIS011318-5

Trainer: Rich Meier #329

Training Certificate

Konstantin Ustimenko

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-9

Trainer: Rich Meier #329

Medical evaluation for respiratory protection

In compliance with 29.CFR 1910.134 Respiratory Protection Standard and CFR 1926.1101

Asbestos Exposure in Construction

ANDO-MED, INC
44-01 21st St. 3rd Fl.
Long Island City, NY 11101
tel.:(718) 349-3235

All the information that you provide in this questionnaire is strictly confidential and will become part of your medical record.

Date: 8 / 12 / 17

Patient Information

Patient SSN: 8472 Patient Name: (First/MI/Last) DIEGO VELASCO	Sex: MALE	Date of Birth: (mm/dd/yyyy) 1/21/1985
Patient address: 126 BLATCHLEY AV NEW HAVEN CT 06513		
Telephone number: (203) 833-2497		

Examination

HEIGHT:	WEIGHT:	BP:	PULSE:	RESP:
5'04	159			

Have you ever had any respiratory problems:

shortness of breath: NO
chest pain: NO
wheezing: NO

Tobacco: NO	Do you use tobacco?..... O Currently O Previously O Never
	If previously, when did you quit?..... How many per day?.....

The above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Based upon medical examination which included pulmonary function test it is my opinion that the above named patient

IS / **IS NOT**

physically qualified to wear a respirator in the performance of his/her job.

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Velasco, Diego

Employer: AAIS

Address: 126 Blatcheley Ave

FAIR HAVEN CT 06513

Employee SSN: _____

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis ____ Total Hours
- ☐ Occasionally - but not more than twice a week ____ Total Hours
- ☐ Rarely - or for Emergency situations only ____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Coke Oven
- ☐ Cadmium
- ☐ Methylene Chloride
- ☐ Textiles
- ☐ Benzene
- ☐ Cotton Seed / Dust
- ☐ Formaldehyde
- ☐ Lead
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ALL that apply)

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (CT)**
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional

[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature

Kristen Kinslow PAC
Physician's Name (Printed)

092810/CT
Physician's License Number (Optional in Most States)

8/10/18
Date of Exam

8/10/19
Expires On

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

Service Date: 08/10/2018

Medical Surveillance - Asbestos

Patient: Velasco, Diego
SSN:
DOB: 07/21/1985
Gender: M
Marital Status: S
Address: 126 Blatcheley Ave
FAIR HAVEN, CT 06513
Home Phone: (203) 833-2402
Work Phone: **Ext.:**

Job Title:
Employer: AAIS
Address: PO Box 26066
West Haven, CT 065168066
Job Contact: Daniella Pellegrino
Role: Primary Contact
Phone: (203) 932-2992 **Ext.:** 219
Fax: (203) 932-9892

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 08/10/2018 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [x] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

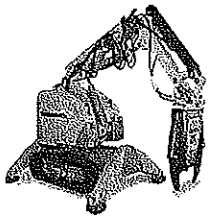
Comments or limitations (if any): _____

Provider Signature

8/10/18
Date

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD



NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: DIEGO VELASCO

Social Security #: 8472

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 08-10-18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
(Medium / Pass)
Large / Pass

Type of Respirator: Racal PAPR / (Pass)

Type of Respirator: North Full Face / (Pass)

Type of Respirator : 3M P.A.P.R. / (Pass)

Employee Signature: DIEGO VELASCO Date: 08-10-18

Administrator: _____ Date: 08-10-18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aaiscorp.com

NORTH STAR
Center for Human Development Inc.

2550 Main St
Hartford CT 06120 · Ph.860-246-3526 · Fax 860-548-0871
NorthStarCHD.org

Certifies that

Diego Velasco

as successfully met certificate requirements for

40 Hours HAZWOPER Operations Initial training

In accordance with
OSHA 29 CFR 1910.120

Certificate Number: 072712HAZWI-038

Course Date: July 23-27, 2012

Examination Date: July 27, 2012

Expiration Date: July 27, 2013

Guido A. Cortes, CPEA, CPHSA, CMC
Training Director

Jewel Brown, Certifying Official

Hazardous Waste Worker Refresher

Date Issued:	Expiration:
10/14/2017	10/14/2018

Name:

Diego I. Velasco Zabala

Student Number:

WBMKYSJZS

Certificate Number:	State:
847241331017	CT

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: VERA, ANGEL

Address: 38 Burwell Street

FAIR HAVEN CT 06513

Employer: AAIS

Employee SSN: XXX-XX-1938

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis _____ Total Hours
- ☐ Occasionally - but not more than twice a week ____ Total Hours
- ☐ Rarely - or for Emergency situations only ____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Coke Oven
- ☐ Cadmium
- ☐ Methylene Chloride
- ☐ Textiles
- ☐ Benzene
- ☐ Cotton Seed / Dust
- ☐ Formaldehyde
- ☐ Lead
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ALL that apply)

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (CT)**
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional

[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature

Physician's Name (Printed) SADOW

Physician's License Number (Optional in Most States)

Date of Exam 5/17/18

Expires On 5/17/19

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0462 Fax: (203) 503-0492

Service Date: 05/17/2018

Medical Surveillance - Asbestos

Patient:	VERA, ANGEL	**Job Title:**	
SSN:	XXX-XX-1938	**Employer:**	AAIS
DOB:	12/09/1975	**Address:**	PO Box 26066
Gender:	M		West Haven, CT 065168066
Marital Status:	S	**Job Contact:**	Daniella Pellegrino
Address:	38 Burwell Street	**Role:**	Primary Contact
	FAIR HAVEN, CT 06513	**Phone:**	(203) 932-2992 **Ext.:** 219
Home Phone:	(203) 887-0074	**Fax:**	(203) 932-9892
Work Phone:	**Ext.:**	**Race:**	ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 05/17/2018 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [x] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [x] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [x] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [x] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): _____

Provider Signature

5/17/18
Date

Concentra Medical Centers (CT)
370 James St Suite 304 NEW HAVEN, CT 06513
Phone: (203) 503-0482 Fax: (203) 503-0492

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 05/17/2018

Employee SSN: XXX-XX-1938

Employee Name:
VERA, ANGEL

Address:
38 Burwell Street

FAIR HAVEN CT 06513

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

☐ There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
☐ The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

☑ ARE qualified to wear a respirator.
☐ Have the following restrictions concerning respirator usage: _____
☐ ARE NOT qualified to wear a respirator.
☐ Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
☐ Must wear Special prescription eye-wear needed to accommodate respirator.
☐ Must use an Eye glass conversion kit.
☐ May need to shave Facial hair to assure tight seal on certain face masks.
☐ Need to stop smoking.

(Check ✓ ALL that apply)

☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.

☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.

☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

PLHCP Signature

PLHCP Name (printed)

Employee's Signature

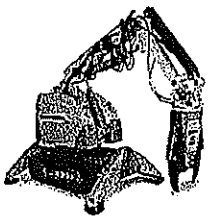
5/17/19
Expiration Date

[1]Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

AAIS

SELECTIVE DEMOLITION • ASBESTOS • LEAD • MOLD



NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: ANGEL VERA

Social Security #: 1938

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 05/10/18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
Medium / Pass
Large / Pass

Type of Respirator: Racal PAPR / Pass

Type of Respirator: North Full Face / Pass

Type of Respirator : 3M P.A.P.R. / Pass

Employee Signature: _____ Date: 05/10/18

Administrator: _____ Date: 05/10/18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aaiscorp.com
Affirmative Action / Equal Opportunity Employer

Training Certificate

ANGEL VERA

Has successfully completed a training course for

40HR Hazwoper 29 CFR 1910.120

Hazardous Waste Operations & Emergency Response

Presented in West Haven, CT
The 14th Day of July, 2011

Signed #63456

Training Certificate

Angel Vera

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/13/2018

Expiration Date: 1/13/2019

Certificate # AIS011318-27

Trainer: Rich Meier #329

Training Certificate

Angel Vera

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-26

Trainer: Rich Meier #329

Concentra Medical Centers (CT)
8 South Commons Road WATERBURY, CT 06704
Phone: (203) 759-1229 Fax: (203) 759-0219

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 07/06/2018

Employee Name: Watson, Dudley

Employee SSN: XXX-XX-8072

Address:
246 Mansion St.
Apt #1
POUGHKEEPSIE NY 12601

Employer: AAIS

You were evaluated in this office of your medical status related to your physical capability to wear a respirator. (Check ✓ one that applies)

- [x] There were no abnormal findings that would hamper your ability to perform your job duties while wearing a respirator.
- [ ] The abnormal findings listed below were not related to wearing a respirator but should be reported to your personal physician for further evaluation.

Based upon the results of this evaluation it is my opinion that you: (Check ✓ ALL that apply)

- [x] ARE qualified to wear a respirator.
- [ ] Have the following restrictions concerning respirator usage: ______
- [ ] ARE NOT qualified to wear a respirator.
- [ ] Require further testing by your private physician who must submit a written report of his/her findings to **Concentra Medical Centers (CT)** so that a final decision on your ability to wear a respirator can be made.
- [ ] Must wear Special prescription eye-wear needed to accommodate respirator.
- [ ] Must use an Eye glass conversion kit.
- [ ] May need to shave Facial hair to assure tight seal on certain face masks.
- [ ] Need to stop smoking.

(Check ✓ ALL that apply)

- [x] The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- [ ] The above individual HAS NOT been examined by me for respirator fitness The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- [x] In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Respirators must be properly selected based on the containment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction and warnings for proper use contained on the respirator packaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness and result in sickness or death. Wearer must be trained in the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, use and/or limitations.

[signature]
PLHCP Signature

Kim Livzzapar
PLHCP Name (printed)

Employee's Signature

7/6/19
Expiration Date

[1]Physician or other Licensed Healthcare Professional

To be maintained in the employee's file with a copy to the employee

Concentra Medical Centers (CT)
8 South Commons Road WATERBURY, CT 06704
Phone: (203) 759-1229 Fax: (203) 759-0219

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Watson, Dudley

Address:
246 Mansion St.
Apt #1
POUGHKEEPSIE NY 12601

Employer: AAIS

Employee SSN: XXX-XX-8072

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis _____ Total Hours
- ☐ Occasionally - but not more than twice a week _____ Total Hours
- ☐ Rarely - or for Emergency situations only _____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Coke Oven
- ☐ Cadmium
- ☐ Methylene Chloride
- ☐ Textiles
- ☐ Benzene
- ☐ Cotton Seed / Dust
- ☐ Formaldehyde
- ☐ Lead
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ALL that apply)

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (CT)** prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (CT)**
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional
[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (CT)** of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☑ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature

Kim Liuzza PA-C
Physician's Name (Printed)

003491
Physician's License Number (Optional in Most States)

7/6/19
Date of Exam

7/6/19
Expires On

Concentra Medical Centers (CT)
8 South Commons Road WATERBURY, CT 06704
Phone. (203) 759-1229 Fax (203) 759-0219

Service Date: 07/06/2018

Medical Surveillance - Asbestos

Patient: Watson, Dudley
SSN: XXX-XX-8072
DOB: 05/31/1957
Gender: M
Marital Status: S
Address: 246 Mansion St.
Apt #1
POUGHKEEPSIE, NY 12601
Home Phone: (203) 454-5360
Work Phone: Ext.:

Job Title:
Employer: AAIS
Address: PO Box 26066
West Haven, CT 065168066
Job Contact: Daniella Pellegrino
Role: Primary Contact
Phone: (203) 932-2992 **Ext.:** 219
Fax: (203) 932-9892

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 07/06/2018 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [ ] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [ ] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): NO restrictions

Provider Signature

7/6/18
Date

AAIS

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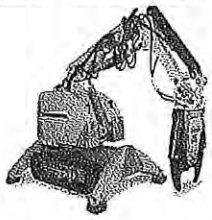

NATIONAL DEMOLITION ASSOCIATION

CAT

RESPIRATOR FIT TEST

Employee Name: DUDLEY WATSON

Social Security #: 8072

Location: 802 Boston Post Road, West Haven, CT 06516

Location if different from above: _____

Date Tested: 07/06/18

Type of Test: Irritant Smoke Qualitative Testing

Type of Respiratory: North ½ Face (7700-30)

Small / Pass
Medium / Pass
Large / Pass

Type of Respirator: Racal PAPR / Pass

Type of Respirator: North Full Face / Pass

Type of Respirator : 3M P.A.P.R. / Pass

Employee Signature: Dudley Watson Date: 07/06/18

Administrator: _____ Date: 07/06/18

802 Boston Post Road • West Haven, CT 06516 • Phone: 203-932-2992 • Fax: 203-932-9892 • www.aaiscorp.com

Training Certificate

Dudley Watson

Has successfully completed a training course for

40HR Hazwoper - 29 CFR 1910.120

Hazardous Waste Operations & Emergency Response

Presented in West Haven, CT
The 9th Day of April, 2010

Signed 

Training Certificate

Dudley Watson

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/13/2018

Expiration Date: 1/13/2019

Certificate # AIS011318-13

Trainer: Rich Meier #329

Training Certificate

Dudley Watson

Has successfully completed 8 hour refresher training for
Hazardous Waste Operations and Emergency Response
In accordance with 29 CFR 1910.120

Course Completion Date: 1/12/2019

Expiration Date: 1/12/2020

Certificate # AAIS011219-18

Trainer: Rich Meier #329

Appendix O

Final Visual Inspection Forms

FUSS & O'NEILL

Final Visual Inspection Form

PCB – Abatement

Date: 11/2/18 ☒ Removal ☐ Encapsulation ☐ Enclosure ☐ Repair ☐ Cleanup

PROJECT NAME:	Kent Memorial Library			PROJECT NO.:	20151259.A50
SITE LOCATION:	50 North Main ST	BUILDING:	Kent Library	☒ PASS ☐ FAIL	
WORK AREA:	Phase I First Floor Front				
CONTRACTOR:	AAIS				

☒ Neg Pressure Contain. ☐ Mini-Enclosure ☐ Glovebag ☐ Other (Describe Below) ☐ None

MATERIALS ABATED IN THIS SPECIFIC WORK AREA:

1. Ceiling Paint	QTY:	9,800SF	2.	QTY:	
3. Floor Paint	QTY:	4,800SF	4.	QTY:	
5.	QTY:		6.	QTY:	
7.	QTY:		8.	QTY:	
9.	QTY:		10.	QTY:	

SUSPECT ACM REMAINING IN CONTAINMENT NOT SPECIFIED FOR REMOVAL

1.	QTY:		2.	QTY:	
3.	QTY:		4.	QTY:	

SURFACES INSPECTED

Instructions: Check surfaces that pass. **Circle surfaces that fail.** Strike through N/A.

☒ Floor ☒ Horizontal Surfaces ☒ Pipes ☒ Mechanical Equipment
☒ Duct Work ☒ Vertical Surfaces ☒ Decon Unit ☒ Contractor's Equipment
☒ Fixtures Poly ☒ Enclosed Items ☒ Waste Load Out ☒ Other: Ceiling

FIELD OBSERVATIONS

The PCB containing Floor and Ceiling Paint is located on a concrete substrate.

WORK AREA CLEARANCE: ☐ PCM ☐ TEM ☒ Visual Only ☐ None Performed

ACKNOWLEDGEMENT

I acknowledge that I inspected this work area on this day.

EnviroScience Inspector: Paul Bateman (PRINTED) Paul Baty (SIGNATURE)

I have read and understand the inspection results.

Contractor's Supervisor: Neil Tunetski (PRINTED) (SIGNATURE)

FUSS & O'NEILL

Final Visual Inspection Form

PCB **Abatement**

Date: 11/14/18 ☒ Removal ☐ Encapsulation ☐ Enclosure ☐ Repair ☐ Cleanup

PROJECT NAME:	Kent Memorial Library	PROJECT NO.:	20151259.A50	☒ PASS ☐ FAIL
SITE LOCATION:	50 North Main ST, Suffield	BUILDING:	Kent Library	
WORK AREA:	Phase II Front Ground / Basement Level			
CONTRACTOR:	AAIS			

☒ Neg Pressure Contain. ☐ Mini-Enclosure ☐ Glovebag ☐ Other (Describe Below) ☐ None

MATERIALS ABATED IN THIS SPECIFIC WORK AREA:

1. Ceiling Paint	QTY:	6,560	2.	QTY:	
3. Floor Paint	QTY:	1,140	4.	QTY:	
3. Brick	QTY:	320 SF	6.	QTY:	
7.	QTY:		8.	QTY:	
9.	QTY:		10.	QTY:	

SUSPECT ACM REMAINING IN CONTAINMENT NOT SPECIFIED FOR REMOVAL

1.	QTY:		2.	QTY:	
3.	QTY:		4.	QTY:	

SURFACES INSPECTED

Instructions: Check surfaces that pass. **Circle surfaces that fail**. Strike through N/A.

☒ Floor ☒ Horizontal Surfaces ☒ Pipes ☒ Mechanical Equipment
☒ Duct Work ☒ Vertical Surfaces ☒ Decon Unit ☒ Contractor's Equipment
☒ Fixtures poly ☒ Enclosed Items ☒ Waste Load Out ☒ Other: Ceiling

FIELD OBSERVATIONS

WORK AREA CLEARANCE:	☐ PCM	☐ TEM	☒ Visual Only	☐ None Performed

ACKNOWLEDGEMENT

I acknowledge that I inspected this work area on this day.

EnviroScience Inspector: Paul Bateman (PRINTED) _____ (SIGNATURE)

I have read and understand the inspection results.

Contractor's Supervisor: Vasyl Tunetskyy (PRINTED) _____ (SIGNATURE)

FUSS & O'NEILL

Final Visual Inspection Form

PCB - Abatement

Date: 11/29/18 ☒ Removal ☐ Encapsulation ☐ Enclosure ☐ Repair ☐ Cleanup

PROJECT NAME:	Kent Memorial Library			PROJECT NO.:	20151259 - A50
SITE LOCATION:	50 North Main ST, Suffield	BUILDING:	Kent Library	☒ PASS ☐ FAIL	
WORK AREA:	Phase III South side - 1st FL				
CONTRACTOR:	AATS				

☒ Neg Pressure Contain. ☐ Mini-Enclosure ☐ Glovebag ☐ Other (Describe Below) ☐ None

MATERIALS ABATED IN THIS SPECIFIC WORK AREA:

1. Ceiling Paint	QTY:	5,300 SF	2.	QTY:	
3. Floor Paint	QTY:	1,810 SF	4.	QTY:	
5.	QTY:		6.	QTY:	
7.	QTY:		8.	QTY:	
9.	QTY:		10.	QTY:	

SUSPECT ACM REMAINING IN CONTAINMENT NOT SPECIFIED FOR REMOVAL

1.	QTY:		2.	QTY:	
3.	QTY:		4.	QTY:	

SURFACES INSPECTED

Instructions: Check surfaces that pass. **Circle surfaces that fail.** Strike through N/A.

☒ Floor	☒ Horizontal Surfaces	☒ Pipes	☒ Mechanical Equipment
☒ Duct Work	☒ Vertical Surfaces	☒ Decon Unit	☒ Contractor's Equipment
☒ Fixtures	☒ Enclosed Items	☒ Waste Load Out	☒ Other: Ceiling

FIELD OBSERVATIONS

WORK AREA CLEARANCE:	☐ PCM	☐ TEM	☒ Visual Only	☐ None Performed

ACKNOWLEDGEMENT

I acknowledge that I inspected this work area on this day.

EnviroScience Inspector: Paul Bateman (PRINTED) _____ (SIGNATURE)

I have read and understand the inspection results.

Contractor's Supervisor: Vasil Tunetskyy (PRINTED) _____ (SIGNATURE)

FUSS & O'NEILL
EnviroScience, LLC

Certificate of Final Visual Inspection

PCB Removal/Abatement

Date: 1/19/99 ☑ Removal ☑ Encapsulation ☐ Enclosure ☐ Repair ☐ Cleanup

PROJECT NAME:	Kent Memorial Library	PROJECT NO.:	2615 125.9.A50
SITE LOCATION:	Rte 60, Main ST. Suffield	BUILDING:	Kent Library
CONTAINMENT:	1st + Basement Levels - All Interior Areas		☒ PASS ☐ FAIL
CONTRACTOR:	AAIS		

☒ Standard Containment ☐ AWP Containment ☐ Mini-Enclosure ☐ None

MATERIALS REMOVED	☐ LEAD ABATEMENT		☐ LEAD REMOVAL		
1. Joints - Caulking	QTY:	160 LF	2.	QTY:	
3. Painted Walls	QTY:		4.	QTY:	
5. Painted Ceilings	QTY:		6.	QTY:	
7.	QTY:		8.	QTY:	
9.	QTY:		10.	QTY:	

SURFACES INSPECTED

Instructions: Check surfaces that pass. Circle surfaces that fail. Strike through N/A.

☑ Floor	☑ Horizontal Surfaces	☑ Pipes	☑ Mechanical Equipment
☑ Duct Work	☑ Vertical Surfaces	☐ Decon Unit	☑ Contractor's Equipment
☑ Fixtures	~~☐ Enclosed Items~~	☐ Other: Ceiling	

FIELD NOTES

TYPE OF VERIFICATION SAMPLING PERFORMED BY ENVIROSCIENCE

☐ Wipe ☐ Soil Grab ☐ Other Visual Inspection on Walls

CERTIFICATION

I certify that this containment was inspected by me this day.

EnviroScience Inspector: Paul Bateman (PRINTED) _____ (SIGNATURE)

I have read and understand these results.

Contractor's Supervisor: Vasil Tunetsky (PRINTED) _____ (SIGNATURE)

Appendix P

Fuss & O'Neill Site Logs

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A50

Technician: Paul Bateman

Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078

Specific Work Area: First floor front containment-west side of building

Date/Time	Comments	Initials
2018-09-04 10:30:48 +0000	PB on site and performs a pre- commencement visual inspection on the first floor front containment where 1860 SF of 2' x 2' ceiling tiles and glue will be removed.	PB
2018-09-04 10:45:32 +0000	The containment volume is 65,000 Cubic feet and 4 microtrap will be used to vent the area. All barriers are tight .	PB
2018-09-04 11:15:26 +0000	The front first floor containment passes pre- commencement visual.	PB
2018-09-04 11:30:47 +0000	PB leaves the site	PB

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A50
Technician: Paul Bateman
Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078
Specific Work Area: First floor front containment

Date/Time	Comments	Initials
2018-09-06 16:45:31 +0000	PB on site. AAIS removed 1660 SF of 2' x 2' ceiling tiles and glue daubs from the front first floor containment.	PB
2018-09-06 17:25:08 +0000	The final visual inspection passes on the first floor front containment where the ceiling tiles and glue daubs were removed. All areas look good with no visible debris.	PB
2018-09-06 17:40:06 +0000	PB sets up TEM /FAC samples 9-6-PB- 01-10 in and around the work area.	PB
2018-09-06 20:00:39 +0000	PB dismantles final air clearance samples 9-6-PB-01-10 and delivers them to the lab	PB
2018-09-06 20:30:00 +0000	PB leaves the site.	PB

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A50

Technician: Paul Bateman

Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078

Specific Work Area: Basement containment

Date/Time	Comments	Initials
2018-09-07 15:45:08 +0000	PB on site and performs a pre- commencement visual inspection on the basement containment where the following will be removed: 1050 SF of 12" x 12" floor tile and mastic, 904 SF of 2' x 2' ceiling tiles and glue daubs, 150 LF of 4" base cove and glue. The containment volume is 25,000 cubic feet and 3 microtraps are used to vent the containment.	PB
2018-09-11 11:04:46 +0000	The area passes pre commencement visual inspection with good NAE and Barriers. All microtraps are 2,000 cu ft a minute.	PB

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A50

Technician: Paul Bateman

Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078

Specific Work Area: Basement front containment

Date/Time	Comments	Initials
2018-09-12 15:50:12 +0000	PB on site. The crew has removed 1050 SF of 12" floor tile and mastic, 904 SF of 2x 2 ' ceiling tiles and glue daubs and 4" base cove and glue.	PB
2018-09-12 16:45:36 +0000	The final visual inspection passes in the basement front containment. All areas are clean with no visible debris.	PB
2018-09-12 17:00:19 +0000	PB sets up TEM final air clearance samples 10-12-PB - 01-10 in and around the basement front containment.	PB
2018-09-12 18:29:39 +0000	PB calculates the asbestos to be removed in the first floor rear containment to be 528 square feet. This will be the third and final major asbestos containment to be done. The containment volume is about 12,500 cubic feet.	PB
2018-09-12 19:15:43 +0000	PB dismantles air samples 9-12– PB -01-12	PB
2018-09-12 19:40:22 +0000	PB leaves the site to deliver the TEM samples.	PB

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A50

Technician: Paul Bateman

Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078

Specific Work Area: First floor rear containment

Date/Time	Comments	Initials
2018-09-14 11:15:24 +0000	PB on site. PB performs pre commencement visual inspection on the first floor rear containment.	PB
2018-09-14 11:40:38 +0000	The first floor rear area looks good . The crew will be removing 528 SF of 2'x 2' ceiling tiles and glue daubs from the area. The containment volume is 12,500 cubic feet and 2 NAEs are utilized to vent The containment area.	PB
2018-09-14 11:50:40 +0000	PB leaves the site.	PB

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A4E

Technician: Paul Bateman

Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078

Specific Work Area: Rear first floor containment by circulation desk.

Date/Time	Comments	Initials
2018-09-17 15:00:01 +0000	PB on site. The crew removed 2x2' ceiling tiles and glue daubs from the first floor rear containment by the circulation desk.	PB
2018-09-17 15:15:17 +0000	Your final visual inspection passes with no visible debris in the area.	PB
2018-09-17 15:40:07 +0000	PB sets up final air clearance samples 9-17-PB- 03-07in the first floor rear containment near the circulation desk.	PB
2018-09-17 17:05:19 +0000	PB dismantles final air clearance samples 9-17-PB-03-07 and analyzes them	PB
2018-09-17 17:30:09 +0000	Final air clearance samples 9-17-PB -03-07are less then 0.00$ fibers per cc. The first floor rear area passes final air clearance.	PB
2018-09-17 17:23:22 +0000	2:00 PB leaves the site.	PB

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A50

Technician: Paul Bateman

Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078

Specific Work Area: Phase I front first floor

Date/Time	Comments	Initials
2018-11-01 15:45:03 +0000	PB on site and is supposed to meet Helen Rimsa to perform a final visual inspection on phase I in the front first floor. 9,800 SF of PCB ceiling paint and 4,500 SF of PCB floor paint was removed .	PB
2018-11-01 04:15:09 +0000	PB enters the containment and sees some residual paint on the comers and concrete pores which need to be removed.	PB
2018-11-01 16:50:13 +0000	Helen Rimsa (the Project manager) is on site and enters the containment and points out that paint can remain in the pores but no loose paint can be present.	PB
2018-11-01 17:50:05 +0000	PB and Helen point out to the contractor how the area needs to be clean, no paint in the corners and no loose paint.	PB
2018-11-01 18:15:41 +0000	PB leaves the site.	PB

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A50

Technician: Paul Bateman

Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078

Specific Work Area: Front first floor containment

Date/Time	Comments	Initials
2018-11-02 10:40:28 +0000	PB on site and will do a final visual inspection after the contractor performed final cleaning yesterday, November 1, 2018.	PB
2018-11-02 11:00:45 +0000	PB and crew enter the containment. PB shows the crew the areas that need to be cleaned . They are mainly the corners where the paint grinders could not reach. Approximately 9,800 SF of PCB ceiling paint and 4,500 SF of floor paint was removed.	PB
2018-11-02 13:45:30 +0000	After final cleaning by the contractor the first floor containment where the PCB paint was removed passed Final visual inspection.	PB
2018-11-02 14:45:30 +0000	PB leaves the site and the workers are beginning PCB paint removal in the basement /ground level front containment.	PB

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A50

Technician: Paul Bateman

Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078

Specific Work Area: Basement front section- Phase II

Date/Time	Comments	Initials
2018-11-14 12:50:14 +0000	PB on site . The workers have removed PCB paint from the concrete floor and ceiling of the Phase II front basement area of the building. Additionally, PCB contaminated brick was removed from the front basement floors.	PB
2018-11-14 13:27:27 +0000	PB performs a final visual on the basement front section of the building	PB
2018-11-14 15:23:30 +0000	PB calculates that the ceiling paint areas are 6,560 SF of ceiling paint, 1,140 SF of floor paint and 320 SF of floor brick was removed from the Phase II basement front containment.	PB
2018-11-14 15:29:49 +0000	PB has the crew clean some residual paint off the light fixtures in the auditorium. Also, the bolts for the chairs have been removed flush with the floor surface.	PB
2018-11-14 16:00:40 +0000	The Phase II front basement containment passes final visual inspection with no visible debris on the ceiling and floors. The workers are prepping the 3rd section for PCB paint removal.	PB

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A50

Technician: Paul Bateman

Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078

Specific Work Area: South first floor section.

Date/Time	Comments	Initials
2018-11-29 11:30:05 +0000	PB and crew on site . PB will perform a final visual inspection on the first floor south section where PCB paint was removed from the floors and ceilings.	PB
2018-11-29 13:10:42 +0000	PB calculates the area of PCB ceiling paint to be 5,300 SF and the floor paint to be 1,810 SF . This is in the south side first floor section which is PCB removal Phase 3. PB is conducting the final visual inspection in the Phase 3 south first floor section.	PB
2018-11-29 14:30:41 +0000	The final visual inspection passes after PB has the workers clean additional isolated areas .	PB
2018-11-29 14:35:39 +0000	PB leaves the site.	PB
2018-11-29 14:45:24 +0000	Delete this entry	PB

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A50

Technician: Paul Bateman

Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078

Specific Work Area: Interior all levels of the library

Date/Time	Comments	Initials
2019-01-18 12:15:28 +0000	PB and crew and painting contractor are on site. AAIS installed 160 Linear feet of caulking in the skylight areas on concrete. The painters are touching ad reapplying paint in areas which are less than 3 millimeters. PB will ensure all areas are up to the required thickness.	PB
2019-01-19 01:00:09 +0000	PB inspects the entire library area and marks the areas which need additional painting including the first floor NW corner, lower walls in all areas, and the skylight areas.	PB
2019-01-18 15:28:30 +0000	PB continues to perform a visual inspection on the paint thickness.	PB
2019-01-18 16:30:45 +0000	PB informs the contractor which areas need to be addressed.	PB
2019-01-18 17:00:32 +0000	PB leaves the site.	PB

FUSS & O'NEILL
EnviroScience, LLC

Daily Site Log

Project Number: 20151259.A50

Technician: Paul Bateman

Building: 20151259.A50: Kent Memorial Library, Suffield, CT Suffield, CT 06078

Specific Work Area: Library interior on all levels

Date/Time	Comments	Initials
2019-01-19 14:30:44 +0000	PB and crew on site. The painting contractor is touching up areas on all levels of the library.	PB
2019-01-19 15:00:00 +0000	PB performs a final visual inspection on all area of the library to ensure the paint thickness is 3 millimeters and that all caulking installed by the PCB Abatement contractor, AAIS is complete. PB points out areas that need more paint including the skylight areas.	PB
2019-01-19 16:00:52 +0000	The Abatement contractor has installed 160 linear feet of caulking in the skylight areas on all sides of the building.	PB
2019-01-19 16:20:58 +0000	The 160 linear feet of caulking has been properly installed in the skylight areas .	PB
2019-01-19 16:50:30 +0000	All areas pass the visual inspection and the crew is demobilizing.	PB
2019-01-19 17:30:36 +0000	PB and crew leave the site.	PB

Appendix Q

Post-Verification of Concrete Laboratory Reports and Chains of Custody 12/12/18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 19, 2018

Helen Risma
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St. Suffield, CT
Client Job Number:
Project Number: 20151259.A50
Laboratory Work Order Number: 18L0637

Enclosed are results of analyses for samples received by the laboratory on December 13, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Risma

REPORT DATE: 12/19/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A50

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L0637

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St. Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20181212-PB-PVS-1	18L0637-01	Concrete		SW-846 8082A	
20181212-PB-PVS-2	18L0637-02	Concrete		SW-846 8082A	
20181212-PB-PVS-3	18L0637-03	Concrete		SW-846 8082A	
20181212-PB-PVS-4	18L0637-04	Concrete		SW-846 8082A	
20181212-PB-PVS-5	18L0637-05	Concrete		SW-846 8082A	
20181212-PB-PVS-6	18L0637-06	Concrete		SW-846 8082A	
20181212-PB-PVS-7	18L0637-07	Concrete		SW-846 8082A	
20181212-PB-PVS-8	18L0637-08	Concrete		SW-846 8082A	
20181212-PB-PVS-9	18L0637-09	Concrete		SW-846 8082A	
20181212-PB-PVS-10	18L0637-10	Concrete		SW-846 8082A	
20181212-PB-PVS-11	18L0637-11	Concrete		SW-846 8082A	
20181212-PB-PVS-12	18L0637-12	Concrete		SW-846 8082A	
20181212-PB-PVS-13	18L0637-13	Concrete		SW-846 8082A	
20181212-PB-PVS-14	18L0637-14	Concrete		SW-846 8082A	
20181212-PB-PVS-15	18L0637-15	Concrete		SW-846 8082A	
20181212-PB-PVS-16	18L0637-16	Concrete		SW-846 8082A	
20181212-PB-PVS-17	18L0637-17	Concrete		SW-846 8082A	
20181212-PB-PVS-18	18L0637-18	Concrete		SW-846 8082A	
20181212-PB-PVS-19	18L0637-19	Concrete		SW-846 8082A	
20181212-PB-PVS-20	18L0637-20	Concrete		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-1 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:20	WAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:20	WAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:20	WAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:20	WAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:20	WAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:20	WAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:20	WAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:20	WAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:20	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.1	30-150		12/18/18 20:20
Decachlorobiphenyl [2]	91.2	30-150		12/18/18 20:20
Tetrachloro-m-xylene [1]	85.7	30-150		12/18/18 20:20
Tetrachloro-m-xylene [2]	96.4	30-150		12/18/18 20:20

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-2 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:38	WAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:38	WAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:38	WAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:38	WAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:38	WAL
Aroclor-1254 [2]	0.19	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:38	WAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:38	WAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:38	WAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:38	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.6	30-150		12/18/18 20:38
Decachlorobiphenyl [2]	77.3	30-150		12/18/18 20:38
Tetrachloro-m-xylene [1]	72.7	30-150		12/18/18 20:38
Tetrachloro-m-xylene [2]	80.9	30-150		12/18/18 20:38

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-3 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:56	WAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:56	WAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:56	WAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:56	WAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:56	WAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:56	WAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:56	WAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:56	WAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 20:56	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.2	30-150		12/18/18 20:56
Decachlorobiphenyl [2]	93.8	30-150		12/18/18 20:56
Tetrachloro-m-xylene [1]	88.5	30-150		12/18/18 20:56
Tetrachloro-m-xylene [2]	97.9	30-150		12/18/18 20:56

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-4 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:13	WAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:13	WAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:13	WAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:13	WAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:13	WAL
Aroclor-1254 [2]	0.16	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:13	WAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:13	WAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:13	WAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:13	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.8	30-150		12/18/18 21:13
Decachlorobiphenyl [2]	96.5	30-150		12/18/18 21:13
Tetrachloro-m-xylene [1]	91.1	30-150		12/18/18 21:13
Tetrachloro-m-xylene [2]	102	30-150		12/18/18 21:13

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-5 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:31	WAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:31	WAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:31	WAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:31	WAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:31	WAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:31	WAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:31	WAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:31	WAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:31	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.4	30-150		12/18/18 21:31
Decachlorobiphenyl [2]	95.0	30-150		12/18/18 21:31
Tetrachloro-m-xylene [1]	89.3	30-150		12/18/18 21:31
Tetrachloro-m-xylene [2]	98.1	30-150		12/18/18 21:31

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-6 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:49	WAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:49	WAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:49	WAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:49	WAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:49	WAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:49	WAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:49	WAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:49	WAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 21:49	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.8	30-150		12/18/18 21:49
Decachlorobiphenyl [2]	104	30-150		12/18/18 21:49
Tetrachloro-m-xylene [1]	94.8	30-150		12/18/18 21:49
Tetrachloro-m-xylene [2]	103	30-150		12/18/18 21:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-7 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:07	WAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:07	WAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:07	WAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:07	WAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:07	WAL
Aroclor-1254 [2]	0.12	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:07	WAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:07	WAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:07	WAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:07	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.8	30-150		12/18/18 22:07
Decachlorobiphenyl [2]	96.8	30-150		12/18/18 22:07
Tetrachloro-m-xylene [1]	75.7	30-150		12/18/18 22:07
Tetrachloro-m-xylene [2]	81.5	30-150		12/18/18 22:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-8 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:24	WAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:24	WAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:24	WAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:24	WAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:24	WAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:24	WAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:24	WAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:24	WAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:24	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.1	30-150		12/18/18 22:24
Decachlorobiphenyl [2]	92.3	30-150		12/18/18 22:24
Tetrachloro-m-xylene [1]	77.8	30-150		12/18/18 22:24
Tetrachloro-m-xylene [2]	85.5	30-150		12/18/18 22:24

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-9 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-09

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:42	WAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:42	WAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:42	WAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:42	WAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:42	WAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:42	WAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:42	WAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:42	WAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 22:42	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.9	30-150		12/18/18 22:42
Decachlorobiphenyl [2]	95.2	30-150		12/18/18 22:42
Tetrachloro-m-xylene [1]	85.2	30-150		12/18/18 22:42
Tetrachloro-m-xylene [2]	95.4	30-150		12/18/18 22:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-10 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-10

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 23:00	WAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 23:00	WAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 23:00	WAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 23:00	WAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 23:00	WAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 23:00	WAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 23:00	WAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 23:00	WAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/18/18 23:00	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.9	30-150		12/18/18 23:00
Decachlorobiphenyl [2]	98.4	30-150		12/18/18 23:00
Tetrachloro-m-xylene [1]	83.2	30-150		12/18/18 23:00
Tetrachloro-m-xylene [2]	93.7	30-150		12/18/18 23:00

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-11 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:06	WAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:06	WAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:06	WAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:06	WAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:06	WAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:06	WAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:06	WAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:06	WAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:06	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.2	30-150		12/19/18 0:06
Decachlorobiphenyl [2]	110	30-150		12/19/18 0:06
Tetrachloro-m-xylene [1]	88.0	30-150		12/19/18 0:06
Tetrachloro-m-xylene [2]	98.4	30-150		12/19/18 0:06

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-12 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-12

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:23	WAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:23	WAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:23	WAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:23	WAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:23	WAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:23	WAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:23	WAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:23	WAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:23	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.3	30-150		12/19/18 0:23
Decachlorobiphenyl [2]	104	30-150		12/19/18 0:23
Tetrachloro-m-xylene [1]	79.9	30-150		12/19/18 0:23
Tetrachloro-m-xylene [2]	90.1	30-150		12/19/18 0:23

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-13 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-13

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:41	WAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:41	WAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:41	WAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:41	WAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:41	WAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:41	WAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:41	WAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:41	WAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:41	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.8	30-150		12/19/18 0:41
Decachlorobiphenyl [2]	113	30-150		12/19/18 0:41
Tetrachloro-m-xylene [1]	95.1	30-150		12/19/18 0:41
Tetrachloro-m-xylene [2]	107	30-150		12/19/18 0:41

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-14 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-14

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:59	WAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:59	WAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:59	WAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:59	WAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:59	WAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:59	WAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:59	WAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:59	WAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 0:59	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.3	30-150		12/19/18 0:59
Decachlorobiphenyl [2]	99.0	30-150		12/19/18 0:59
Tetrachloro-m-xylene [1]	84.0	30-150		12/19/18 0:59
Tetrachloro-m-xylene [2]	94.5	30-150		12/19/18 0:59

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-15 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-15

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:16	WAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:16	WAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:16	WAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:16	WAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:16	WAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:16	WAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:16	WAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:16	WAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:16	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.1	30-150		12/19/18 1:16
Decachlorobiphenyl [2]	105	30-150		12/19/18 1:16
Tetrachloro-m-xylene [1]	90.1	30-150		12/19/18 1:16
Tetrachloro-m-xylene [2]	101	30-150		12/19/18 1:16

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-16 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-16

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:34	WAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:34	WAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:34	WAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:34	WAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:34	WAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:34	WAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:34	WAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:34	WAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:34	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.7	30-150		12/19/18 1:34
Decachlorobiphenyl [2]	105	30-150		12/19/18 1:34
Tetrachloro-m-xylene [1]	90.7	30-150		12/19/18 1:34
Tetrachloro-m-xylene [2]	102	30-150		12/19/18 1:34

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-17 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-17

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:52	WAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:52	WAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:52	WAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:52	WAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:52	WAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:52	WAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:52	WAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:52	WAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 1:52	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.9	30-150		12/19/18 1:52
Decachlorobiphenyl [2]	107	30-150		12/19/18 1:52
Tetrachloro-m-xylene [1]	89.9	30-150		12/19/18 1:52
Tetrachloro-m-xylene [2]	99.8	30-150		12/19/18 1:52

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-18 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-18

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:09	WAL
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:09	WAL
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:09	WAL
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:09	WAL
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:09	WAL
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:09	WAL
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:09	WAL
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:09	WAL
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:09	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.1	30-150		12/19/18 2:09
Decachlorobiphenyl [2]	101	30-150		12/19/18 2:09
Tetrachloro-m-xylene [1]	84.4	30-150		12/19/18 2:09
Tetrachloro-m-xylene [2]	95.0	30-150		12/19/18 2:09

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-19 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-19

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:27	WAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:27	WAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:27	WAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:27	WAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:27	WAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:27	WAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:27	WAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:27	WAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:27	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.1	30-150		12/19/18 2:27
Decachlorobiphenyl [2]	119	30-150		12/19/18 2:27
Tetrachloro-m-xylene [1]	97.3	30-150		12/19/18 2:27
Tetrachloro-m-xylene [2]	109	30-150		12/19/18 2:27

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0637

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-20 Sampled: 12/13/2018 00:00

Sample ID: 18L0637-20

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:45	WAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:45	WAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:45	WAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:45	WAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:45	WAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:45	WAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:45	WAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:45	WAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/17/18	12/19/18 2:45	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.9	30-150		12/19/18 2:45
Decachlorobiphenyl [2]	119	30-150		12/19/18 2:45
Tetrachloro-m-xylene [1]	97.7	30-150		12/19/18 2:45
Tetrachloro-m-xylene [2]	109	30-150		12/19/18 2:45

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18L0637-01 [20181212-PB-PVS-1]	B219382	2.00	10.0	12/17/18
18L0637-02 [20181212-PB-PVS-2]	B219382	2.00	10.0	12/17/18
18L0637-03 [20181212-PB-PVS-3]	B219382	2.03	10.0	12/17/18
18L0637-04 [20181212-PB-PVS-4]	B219382	2.02	10.0	12/17/18
18L0637-05 [20181212-PB-PVS-5]	B219382	2.00	10.0	12/17/18
18L0637-06 [20181212-PB-PVS-6]	B219382	2.02	10.0	12/17/18
18L0637-07 [20181212-PB-PVS-7]	B219382	2.04	10.0	12/17/18
18L0637-08 [20181212-PB-PVS-8]	B219382	2.00	10.0	12/17/18
18L0637-09 [20181212-PB-PVS-9]	B219382	2.00	10.0	12/17/18
18L0637-10 [20181212-PB-PVS-10]	B219382	2.01	10.0	12/17/18
18L0637-11 [20181212-PB-PVS-11]	B219382	2.01	10.0	12/17/18
18L0637-12 [20181212-PB-PVS-12]	B219382	2.04	10.0	12/17/18
18L0637-13 [20181212-PB-PVS-13]	B219382	2.04	10.0	12/17/18
18L0637-14 [20181212-PB-PVS-14]	B219382	2.02	10.0	12/17/18
18L0637-15 [20181212-PB-PVS-15]	B219382	2.02	10.0	12/17/18
18L0637-16 [20181212-PB-PVS-16]	B219382	2.01	10.0	12/17/18
18L0637-17 [20181212-PB-PVS-17]	B219382	2.02	10.0	12/17/18
18L0637-18 [20181212-PB-PVS-18]	B219382	2.06	10.0	12/17/18
18L0637-19 [20181212-PB-PVS-19]	B219382	2.00	10.0	12/17/18
18L0637-20 [20181212-PB-PVS-20]	B219382	2.02	10.0	12/17/18

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219382 - SW-846 3540C										
Blank (B219382-BLK1)				Prepared: 12/17/18 Analyzed: 12/18/18						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.766*		mg/Kg	1.00		76.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.968*		mg/Kg	1.00		96.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.962*		mg/Kg	1.00		96.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.03*		mg/Kg	1.00		103	30-150			
LCS (B219382-BS1)				Prepared: 12/17/18 Analyzed: 12/18/18						
Aroclor-1016	0.73	0.10	mg/Kg	1.00		73.3	40-140			
Aroclor-1016 [2C]	0.82	0.10	mg/Kg	1.00		81.8	40-140			
Aroclor-1260	0.58	0.10	mg/Kg	1.00		57.8	40-140			
Aroclor-1260 [2C]	0.66	0.10	mg/Kg	1.00		65.7	40-140			
Surrogate: Decachlorobiphenyl	*0.582*		mg/Kg	1.00		58.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.750*		mg/Kg	1.00		75.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.781*		mg/Kg	1.00		78.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.846*		mg/Kg	1.00		84.6	30-150			
LCS Dup (B219382-BSD1)				Prepared: 12/17/18 Analyzed: 12/18/18						
Aroclor-1016	0.81	0.10	mg/Kg	1.00		80.6	40-140	9.59	30	
Aroclor-1016 [2C]	0.94	0.10	mg/Kg	1.00		94.2	40-140	14.1	30	
Aroclor-1260	0.65	0.10	mg/Kg	1.00		65.2	40-140	12.0	30	
Aroclor-1260 [2C]	0.76	0.10	mg/Kg	1.00		76.4	40-140	15.0	30	
Surrogate: Decachlorobiphenyl	*0.660*		mg/Kg	1.00		66.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.880*		mg/Kg	1.00		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.842*		mg/Kg	1.00		84.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.942*		mg/Kg	1.00		94.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219382 - SW-846 3540C										
Matrix Spike (B219382-MS1)	**Source: 18L0637-01**			Prepared: 12/17/18 Analyzed: 12/19/18						
Aroclor-1016	0.78	0.10	mg/Kg	0.995	ND	78.2	40-140			
Aroclor-1016 [2C]	0.88	0.10	mg/Kg	0.995	ND	88.2	40-140			
Aroclor-1260	0.78	0.10	mg/Kg	0.995	ND	78.6	40-140			
Aroclor-1260 [2C]	0.85	0.10	mg/Kg	0.995	ND	85.0	40-140			
Surrogate: Decachlorobiphenyl	*0.733*		mg/Kg	0.995		73.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.922*		mg/Kg	0.995		92.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.757*		mg/Kg	0.995		76.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.818*		mg/Kg	0.995		82.2	30-150			
Matrix Spike Dup (B219382-MSD1)	**Source: 18L0637-01**			Prepared: 12/17/18 Analyzed: 12/19/18						
Aroclor-1016	0.88	0.099	mg/Kg	0.990	ND	88.8	40-140	12.2	50	
Aroclor-1016 [2C]	0.97	0.099	mg/Kg	0.990	ND	98.5	40-140	10.5	50	
Aroclor-1260	0.90	0.099	mg/Kg	0.990	ND	90.7	40-140	13.8	50	
Aroclor-1260 [2C]	0.99	0.099	mg/Kg	0.990	ND	100	40-140	16.1	50	
Surrogate: Decachlorobiphenyl	*0.951*		mg/Kg	0.990		96.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.20*		mg/Kg	0.990		122	30-150			
Surrogate: Tetrachloro-m-xylene	*0.984*		mg/Kg	0.990		99.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.09*		mg/Kg	0.990		110	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PVS-2

Lab Sample ID: 18L0637-02 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.19	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PVS-4

Lab Sample ID: 18L0637-04 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.16	13.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PVS-7

Lab Sample ID: 18L0637-07 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.12	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B219382-BS1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.82	11.6
Aroclor-1260	1	0.000	0.000	0.000	0.58	
	2	0.000	0.000	0.000	0.66	12.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B219382-BSD1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.81	
	2	0.000	0.000	0.000	0.94	14.9
Aroclor-1260	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.76	15.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B219382-MS1 Date(s) Analyzed: 12/19/2018 12/19/2018

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.88	12.0
Aroclor-1260	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.85	8.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B219382-MSD1 Date(s) Analyzed: 12/19/2018 12/19/2018

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.97	9.7
Aroclor-1260	1	0.000	0.000	0.000	0.90	
	2	0.000	0.000	0.000	0.99	9.5

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

18L0637

JLH

PCB Post Verification Sample Chain of Custody Form

Project Name: Town of Suffield Project Number: 20151259.A50 Date: 12/12/18

Site Address: 50 North Main Street, Suffield, CT Building Name: Kent Memorial Library Project Manager: Helen Rimsa

	Sample ID	Sample Location	Material Abated	Substrate Type
1	20181212-PB-PVS-1	Lower Level South	Parquet Flooring/Mastics	Concrete
2	20181212-PB-PVS-2	Lower Level South	Parquet Flooring/Mastics	Concrete
3	20181212-PB-PVS-3	Lower Level South	Parquet Flooring/Mastics	Concrete
4	20181212-PB-PVS-4	Lower Level South	Parquet Flooring/Mastics	Concrete
5	20181212-PB-PVS-5	Lower Level South	Parquet Flooring/Mastics	Concrete
6	20181212-PB-PVS-6	Entry Lobby	Laminate Flooring/Mastics	Concrete
7	20181212-PB-PVS-7	Entry Lobby	Laminate Flooring/Mastics	Concrete
8	20181212-PB-PVS-8	Entry Lobby	Laminate Flooring/Mastics	Concrete
9	20181212-PB-PVS-9	Entry Lobby	Laminate Flooring/Mastics	Concrete
10	20181212-PB-PVS-10	Entry Lobby	Laminate Flooring/Mastics	Concrete
11	20181212-PB-PVS-11	Lower Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
12	20181212-PB-PVS-12	Lower Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
13	20181212-PB-PVS-13	Lower Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
14	20181212-PB-PVS-14	Lower Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
15	20181212-PB-PVS-15	Lower Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
16	20181212-PB-PVS-16	Lower Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
17	20181212-PB-PVS-17	Intermediate Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
18	20181212-PB-PVS-18	Intermediate Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
19	20181212-PB-PVS-19	Intermediate Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
20	20181212-PB-PVS-20	Intermediate Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client FTO

Received By NJ Date 12/13/18 Time 15:05

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 1 Actual Temp - 36/1.1/2.4

Were samples within Temperature? 2-6°C T By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times F

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	65.p 19
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	15.p 1
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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December 19, 2018

Helen Risma
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St. Suffield, CT
Client Job Number:
Project Number: 20151259.A50
Laboratory Work Order Number: 18L0642

Enclosed are results of analyses for samples received by the laboratory on December 13, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Risma

REPORT DATE: 12/19/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A50

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L0642

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St. Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20181212-PB-PVS-21	18L0642-01	Concrete		SW-846 8082A	
20181212-PB-PVS-22 DUP	18L0642-02	Concrete		SW-846 8082A	
20181212-PB-PVS-23	18L0642-03	Concrete		SW-846 8082A	
20181212-PB-PVS-24	18L0642-04	Concrete		SW-846 8082A	
20181212-PB-PVS-25	18L0642-05	Concrete		SW-846 8082A	
20181212-PB-PVS-26	18L0642-06	Concrete		SW-846 8082A	
20181212-PB-PVS-27	18L0642-07	Concrete		SW-846 8082A	
20181212-PB-PVS-28	18L0642-08	Concrete		SW-846 8082A	
20181212-PB-PVS-29	18L0642-09	Concrete		SW-846 8082A	
20181212-PB-PVS-30	18L0642-10	Concrete		SW-846 8082A	
20181212-PB-PVS-31	18L0642-11	Concrete		SW-846 8082A	
20181212-PB-PVS-32	18L0642-12	Concrete		SW-846 8082A	
20181212-PB-PVS-33 DUP	18L0642-13	Concrete		SW-846 8082A	
20181212-PB-PVS-34	18L0642-14	Concrete		SW-846 8082A	
20181212-PB-PVS-35	18L0642-15	Concrete		SW-846 8082A	
20181212-PB-PVS-36	18L0642-16	Concrete		SW-846 8082A	
20181212-PB-PVS-37	18L0642-17	Concrete		SW-846 8082A	
20181212-PB-PVS-38	18L0642-18	Concrete		SW-846 8082A	
20181212-PB-PVS-39 DUP	18L0642-19	Concrete		SW-846 8082A	
20181212-PB-PVS-40	18L0642-20	Concrete		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-21 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:04	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:04	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:04	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:04	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:04	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:04	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:04	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:04	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		12/18/18 14:04
Decachlorobiphenyl [2]	107	30-150		12/18/18 14:04
Tetrachloro-m-xylene [1]	97.4	30-150		12/18/18 14:04
Tetrachloro-m-xylene [2]	99.3	30-150		12/18/18 14:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-22 DUP Sampled: 12/13/2018 00:00

Sample ID: 18L0642-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:22	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:22	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:22	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:22	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:22	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:22	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:22	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:22	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		12/18/18 14:22
Decachlorobiphenyl [2]	112	30-150		12/18/18 14:22
Tetrachloro-m-xylene [1]	103	30-150		12/18/18 14:22
Tetrachloro-m-xylene [2]	106	30-150		12/18/18 14:22

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-23 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:39	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:39	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:39	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:39	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:39	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:39	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:39	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:39	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	111	30-150		12/18/18 14:39
Decachlorobiphenyl [2]	109	30-150		12/18/18 14:39
Tetrachloro-m-xylene [1]	98.4	30-150		12/18/18 14:39
Tetrachloro-m-xylene [2]	100	30-150		12/18/18 14:39

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Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-24 | Sampled: 12/13/2018 00:00

Sample ID: 18L0642-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:57	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:57	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:57	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:57	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:57	JMB
Aroclor-1254 [2]	0.33	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:57	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:57	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:57	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 14:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		12/18/18 14:57
Decachlorobiphenyl [2]	100	30-150		12/18/18 14:57
Tetrachloro-m-xylene [1]	91.3	30-150		12/18/18 14:57
Tetrachloro-m-xylene [2]	93.9	30-150		12/18/18 14:57

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-25 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:15	JMB
Aroclor-1221 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:15	JMB
Aroclor-1232 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:15	JMB
Aroclor-1242 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:15	JMB
Aroclor-1248 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:15	JMB
Aroclor-1254 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:15	JMB
Aroclor-1260 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:15	JMB
Aroclor-1262 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:15	JMB
Aroclor-1268 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		12/18/18 15:15
Decachlorobiphenyl [2]	104	30-150		12/18/18 15:15
Tetrachloro-m-xylene [1]	86.7	30-150		12/18/18 15:15
Tetrachloro-m-xylene [2]	89.6	30-150		12/18/18 15:15

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Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-26 | Sampled: 12/13/2018 00:00

Sample ID: 18L0642-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:32	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:32	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:32	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:32	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:32	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:32	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:32	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:32	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		12/18/18 15:32
Decachlorobiphenyl [2]	106	30-150		12/18/18 15:32
Tetrachloro-m-xylene [1]	91.5	30-150		12/18/18 15:32
Tetrachloro-m-xylene [2]	93.8	30-150		12/18/18 15:32

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-27 | Sampled: 12/13/2018 00:00

Sample ID: 18L0642-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:50	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:50	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:50	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:50	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:50	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:50	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:50	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:50	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 15:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		12/18/18 15:50
Decachlorobiphenyl [2]	98.2	30-150		12/18/18 15:50
Tetrachloro-m-xylene [1]	90.6	30-150		12/18/18 15:50
Tetrachloro-m-xylene [2]	94.2	30-150		12/18/18 15:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-28 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:07	JMB
Aroclor-1221 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:07	JMB
Aroclor-1232 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:07	JMB
Aroclor-1242 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:07	JMB
Aroclor-1248 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:07	JMB
Aroclor-1254 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:07	JMB
Aroclor-1260 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:07	JMB
Aroclor-1262 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:07	JMB
Aroclor-1268 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		12/18/18 16:07
Decachlorobiphenyl [2]	105	30-150		12/18/18 16:07
Tetrachloro-m-xylene [1]	98.4	30-150		12/18/18 16:07
Tetrachloro-m-xylene [2]	99.9	30-150		12/18/18 16:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-29 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-09

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:25	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:25	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:25	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:25	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:25	JMB
Aroclor-1254 [2]	0.18	0.098	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:25	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:25	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:25	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		12/18/18 16:25
Decachlorobiphenyl [2]	112	30-150		12/18/18 16:25
Tetrachloro-m-xylene [1]	103	30-150		12/18/18 16:25
Tetrachloro-m-xylene [2]	105	30-150		12/18/18 16:25

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-30 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-10

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:42	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:42	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:42	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:42	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:42	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:42	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:42	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:42	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 16:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	119	30-150		12/18/18 16:42
Decachlorobiphenyl [2]	116	30-150		12/18/18 16:42
Tetrachloro-m-xylene [1]	107	30-150		12/18/18 16:42
Tetrachloro-m-xylene [2]	108	30-150		12/18/18 16:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-31 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 17:47	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 17:47	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 17:47	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 17:47	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 17:47	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 17:47	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 17:47	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 17:47	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 17:47	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	119	30-150		12/18/18 17:47
Decachlorobiphenyl [2]	116	30-150		12/18/18 17:47
Tetrachloro-m-xylene [1]	108	30-150		12/18/18 17:47
Tetrachloro-m-xylene [2]	108	30-150		12/18/18 17:47

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-32 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-12

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:05	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:05	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:05	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:05	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:05	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:05	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:05	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:05	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		12/18/18 18:05
Decachlorobiphenyl [2]	111	30-150		12/18/18 18:05
Tetrachloro-m-xylene [1]	100	30-150		12/18/18 18:05
Tetrachloro-m-xylene [2]	101	30-150		12/18/18 18:05

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-33 DUP Sampled: 12/13/2018 00:00

Sample ID: 18L0642-13

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:23	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:23	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:23	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:23	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:23	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:23	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:23	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:23	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	111	30-150		12/18/18 18:23
Decachlorobiphenyl [2]	107	30-150		12/18/18 18:23
Tetrachloro-m-xylene [1]	102	30-150		12/18/18 18:23
Tetrachloro-m-xylene [2]	102	30-150		12/18/18 18:23

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-34 | Sampled: 12/13/2018 00:00

Sample ID: 18L0642-14

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:40	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:40	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:40	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:40	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:40	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:40	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:40	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:40	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	113	30-150		12/18/18 18:40
Decachlorobiphenyl [2]	109	30-150		12/18/18 18:40
Tetrachloro-m-xylene [1]	100	30-150		12/18/18 18:40
Tetrachloro-m-xylene [2]	101	30-150		12/18/18 18:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-35 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-15

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:58	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:58	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:58	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:58	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:58	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:58	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:58	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:58	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 18:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		12/18/18 18:58
Decachlorobiphenyl [2]	98.8	30-150		12/18/18 18:58
Tetrachloro-m-xylene [1]	79.9	30-150		12/18/18 18:58
Tetrachloro-m-xylene [2]	82.1	30-150		12/18/18 18:58

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-36 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-16

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:15	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:15	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:15	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:15	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:15	JMB
Aroclor-1254 [2]	0.093	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:15	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:15	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:15	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		12/18/18 19:15
Decachlorobiphenyl [2]	101	30-150		12/18/18 19:15
Tetrachloro-m-xylene [1]	91.7	30-150		12/18/18 19:15
Tetrachloro-m-xylene [2]	93.5	30-150		12/18/18 19:15

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-37 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-17

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:33	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:33	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:33	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:33	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:33	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:33	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:33	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:33	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		12/18/18 19:33
Decachlorobiphenyl [2]	111	30-150		12/18/18 19:33
Tetrachloro-m-xylene [1]	104	30-150		12/18/18 19:33
Tetrachloro-m-xylene [2]	103	30-150		12/18/18 19:33

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-38 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-18

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:51	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:51	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:51	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:51	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:51	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:51	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:51	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:51	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 19:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		12/18/18 19:51
Decachlorobiphenyl [2]	109	30-150		12/18/18 19:51
Tetrachloro-m-xylene [1]	105	30-150		12/18/18 19:51
Tetrachloro-m-xylene [2]	104	30-150		12/18/18 19:51

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Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-39 DUP | Sampled: 12/13/2018 00:00

Sample ID: 18L0642-19

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:08	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:08	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:08	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:08	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:08	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:08	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:08	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:08	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		12/18/18 20:08
Decachlorobiphenyl [2]	104	30-150		12/18/18 20:08
Tetrachloro-m-xylene [1]	99.7	30-150		12/18/18 20:08
Tetrachloro-m-xylene [2]	102	30-150		12/18/18 20:08

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0642

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-40 Sampled: 12/13/2018 00:00

Sample ID: 18L0642-20

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:26	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:26	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:26	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:26	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:26	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:26	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:26	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:26	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/16/18	12/18/18 20:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		12/18/18 20:26
Decachlorobiphenyl [2]	97.9	30-150		12/18/18 20:26
Tetrachloro-m-xylene [1]	89.1	30-150		12/18/18 20:26
Tetrachloro-m-xylene [2]	84.5	30-150		12/18/18 20:26

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18L0642-01 [20181212-PB-PVS-21]	B219318	2.00	10.0	12/16/18
18L0642-02 [20181212-PB-PVS-22 DUP]	B219318	2.07	10.0	12/16/18
18L0642-03 [20181212-PB-PVS-23]	B219318	2.03	10.0	12/16/18
18L0642-04 [20181212-PB-PVS-24]	B219318	2.15	10.0	12/16/18
18L0642-05 [20181212-PB-PVS-25]	B219318	2.46	10.0	12/16/18
18L0642-06 [20181212-PB-PVS-26]	B219318	2.06	10.0	12/16/18
18L0642-07 [20181212-PB-PVS-27]	B219318	2.16	10.0	12/16/18
18L0642-08 [20181212-PB-PVS-28]	B219318	2.40	10.0	12/16/18
18L0642-09 [20181212-PB-PVS-29]	B219318	2.05	10.0	12/16/18
18L0642-10 [20181212-PB-PVS-30]	B219318	2.06	10.0	12/16/18
18L0642-11 [20181212-PB-PVS-31]	B219318	2.09	10.0	12/16/18
18L0642-12 [20181212-PB-PVS-32]	B219318	2.33	10.0	12/16/18
18L0642-13 [20181212-PB-PVS-33 DUP]	B219318	2.09	10.0	12/16/18
18L0642-14 [20181212-PB-PVS-34]	B219318	2.16	10.0	12/16/18
18L0642-15 [20181212-PB-PVS-35]	B219318	2.17	10.0	12/16/18
18L0642-16 [20181212-PB-PVS-36]	B219318	2.17	10.0	12/16/18
18L0642-17 [20181212-PB-PVS-37]	B219318	2.16	10.0	12/16/18
18L0642-18 [20181212-PB-PVS-38]	B219318	2.18	10.0	12/16/18
18L0642-19 [20181212-PB-PVS-39 DUP]	B219318	2.10	10.0	12/16/18
18L0642-20 [20181212-PB-PVS-40]	B219318	2.23	10.0	12/16/18

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219318 - SW-846 3540C										
Blank (B219318-BLK1)				Prepared: 12/16/18 Analyzed: 12/18/18						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*1.09*		mg/Kg	1.00		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*0.946*		mg/Kg	1.00		94.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.964*		mg/Kg	1.00		96.4	30-150			
LCS (B219318-BS1)				Prepared: 12/16/18 Analyzed: 12/18/18						
Aroclor-1016	0.88	0.10	mg/Kg	1.00		88.1	40-140			
Aroclor-1016 [2C]	0.92	0.10	mg/Kg	1.00		91.5	40-140			
Aroclor-1260	0.84	0.10	mg/Kg	1.00		84.3	40-140			
Aroclor-1260 [2C]	0.92	0.10	mg/Kg	1.00		92.2	40-140			
Surrogate: Decachlorobiphenyl	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.929*		mg/Kg	1.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.953*		mg/Kg	1.00		95.3	30-150			
LCS Dup (B219318-BSD1)				Prepared: 12/16/18 Analyzed: 12/18/18						
Aroclor-1016	0.95	0.10	mg/Kg	1.00		94.5	40-140	7.00	30	
Aroclor-1016 [2C]	0.97	0.10	mg/Kg	1.00		96.5	40-140	5.36	30	
Aroclor-1260	0.90	0.10	mg/Kg	1.00		89.9	40-140	6.45	30	
Aroclor-1260 [2C]	0.97	0.10	mg/Kg	1.00		97.3	40-140	5.41	30	
Surrogate: Decachlorobiphenyl	*1.14*		mg/Kg	1.00		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.13*		mg/Kg	1.00		113	30-150			
Surrogate: Tetrachloro-m-xylene	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.03*		mg/Kg	1.00		103	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219318 - SW-846 3540C										
Matrix Spike (B219318-MS1)	**Source: 18L0642-10**			Prepared: 12/16/18 Analyzed: 12/18/18						
Aroclor-1016	0.94	0.099	mg/Kg	0.990	ND	95.1	40-140			
Aroclor-1016 [2C]	0.95	0.099	mg/Kg	0.990	ND	96.0	40-140			
Aroclor-1260	0.86	0.099	mg/Kg	0.990	ND	86.9	40-140			
Aroclor-1260 [2C]	0.92	0.099	mg/Kg	0.990	ND	93.4	40-140			
Surrogate: Decachlorobiphenyl	*1.09*		mg/Kg	0.990		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.06*		mg/Kg	0.990		107	30-150			
Surrogate: Tetrachloro-m-xylene	*0.992*		mg/Kg	0.990		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.00*		mg/Kg	0.990		101	30-150			
Matrix Spike Dup (B219318-MSD1)	**Source: 18L0642-10**			Prepared: 12/16/18 Analyzed: 12/18/18						
Aroclor-1016	0.88	0.095	mg/Kg	0.952	ND	92.9	40-140	6.27	50	
Aroclor-1016 [2C]	0.92	0.095	mg/Kg	0.952	ND	96.4	40-140	3.49	50	
Aroclor-1260	0.82	0.095	mg/Kg	0.952	ND	86.5	40-140	4.37	50	
Aroclor-1260 [2C]	0.89	0.095	mg/Kg	0.952	ND	93.3	40-140	3.98	50	
Surrogate: Decachlorobiphenyl	*1.04*		mg/Kg	0.952		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	0.952		107	30-150			
Surrogate: Tetrachloro-m-xylene	*0.946*		mg/Kg	0.952		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.952*		mg/Kg	0.952		99.9	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PVS-24

Lab Sample ID: 18L0642-04 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.31	
	2	0.000	0.000	0.000	0.33	6.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PVS-29

Lab Sample ID: 18L0642-09 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.16	
	2	0.000	0.000	0.000	0.18	11.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B219318-BS1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.92	4.4
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.92	9.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B219318-BSD1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.95	
	2	0.000	0.000	0.000	0.97	2.1
Aroclor-1260	1	0.000	0.000	0.000	0.90	
	2	0.000	0.000	0.000	0.97	7.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B219318-MS1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.94	
	2	0.000	0.000	0.000	0.95	1.1
Aroclor-1260	1	0.000	0.000	0.000	0.86	
	2	0.000	0.000	0.000	0.92	6.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B219318-MSD1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.92	3.3
Aroclor-1260	1	0.000	0.000	0.000	0.82	
	2	0.000	0.000	0.000	0.89	8.2

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

18L0637-p40-np 18L0642

SLH

PCB Post Verification Sample Chain of Custody Form

Project Name: Town of Suffield
Project Number: 20151259.A50
Date: 12/12/18
Site Address: 50 North Main Street, Suffield, CT
Building Name: Kent Memorial Library
Project Manager: Helen Rimsa

	Sample ID	Sample Location	Material Abated	Substrate Type
1	20181212-PB-PVS-21	Intermediate Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
2	20181212-PB-PVS-22-Dup	Intermediate Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
3	20181212-PB-PVS-23	Upper Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
4	20181212-PB-PVS-24	Upper Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
5	20181212-PB-PVS-25	Upper Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
6	20181212-PB-PVS-26	Upper Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
7	20181212-PB-PVS-27	Upper Level North	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
8	20181212-PB-PVS-28	Upper Level Center	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
9	20181212-PB-PVS-29	Upper Level Center	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
10	20181212-PB-PVS-30	Upper Level Center	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
11	20181212-PB-PVS-31	Upper Level Center	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
12	20181212-PB-PVS-32	Upper Level Center	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
13	20181212-PB-PVS-33-Dup	Upper Level Center	Parquet Flooring/Mastics Sealants/Coatings/Mastics	Concrete
14	20181212-PB-PVS-34	Upper Level South	Sealants/Coatings/Mastics	Concrete
15	20181212-PB-PVS-35	Upper Level South	Sealants/Coatings/Mastics	Concrete
16	20181212-PB-PVS-36	Upper Level South	Sealants/Coatings/Mastics	Concrete
17	20181212-PB-PVS-37	Upper Level South	Sealants/Coatings/Mastics	Concrete
18	20181212-PB-PVS-38	Upper Level South	Sealants/Coatings/Mastics	Concrete

np

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146 Hartford Road, Manchester, CT 06040

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(860) 646-2469 Fax (860) 649-6883

1810642 1810642

JLH

PCB Post Verification Sample Chain of Custody Form

Project Name: Town of Suffield Project Number: 20151259.A50 Date: 12/12/18

Site Address: 50 North Main Street, Suffield, CT Building Name: Kent Memorial Library Project Manager: Helen Rimsa

Sample ID	Sample Location	Material Abated	Substrate Type
20181212-PB-PVS-39-Dup	Upper Level South	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-40	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-41	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-42	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-43	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-44	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-45-Dup	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-46	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-47	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-48	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-49	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-50	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-51	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-52	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-53	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-54	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-55	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-56	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-57	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-58	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-59	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-60	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-61	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-62	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-63	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete
20181212-PB-PVS-64	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client FtO

Received By NJ Date 12/13/18 Time 15:05

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____ Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.6/3.1/2.4 By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times F

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? T Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	5 pH 8
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	5 pH 2
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

con-test® ANALYTICAL LABORATORY
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December 19, 2018

Helen Risma
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St. Suffield, CT
Client Job Number:
Project Number: 20151259.A50
Laboratory Work Order Number: 18L0643

Enclosed are results of analyses for samples received by the laboratory on December 13, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Risma

REPORT DATE: 12/19/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A50

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L0643

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St. Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20181212-PB-PVS-41	18L0643-01	Concrete		SW-846 8082A	
20181212-PB-PVS-42	18L0643-02	Concrete		SW-846 8082A	
20181212-PB-PVS-43	18L0643-03	Concrete		SW-846 8082A	
20181212-PB-PVS-44	18L0643-04	Concrete		SW-846 8082A	
20181212-PB-PVS-45 DUP	18L0643-05	Concrete		SW-846 8082A	
20181212-PB-PVS-46	18L0643-06	Concrete		SW-846 8082A	
20181212-PB-PVS-47	18L0643-07	Concrete		SW-846 8082A	
20181212-PB-PVS-48	18L0643-08	Concrete		SW-846 8082A	
20181212-PB-PVS-49	18L0643-09	Concrete		SW-846 8082A	
20181212-PB-PVS-50	18L0643-10	Concrete		SW-846 8082A	
20181212-PB-PVS-51	18L0643-11	Concrete		SW-846 8082A	
20181212-PB-PVS-52	18L0643-12	Concrete		SW-846 8082A	
20181212-PB-PVS-53	18L0643-13	Concrete		SW-846 8082A	
20181212-PB-PVS-54	18L0643-14	Concrete		SW-846 8082A	
20181212-PB-PVS-55	18L0643-15	Concrete		SW-846 8082A	
20181212-PB-PVS-56	18L0643-16	Concrete		SW-846 8082A	
20181212-PB-PVS-57	18L0643-17	Concrete		SW-846 8082A	
20181212-PB-PVS-58	18L0643-18	Concrete		SW-846 8082A	
20181212-PB-PVS-59	18L0643-19	Concrete		SW-846 8082A	
20181212-PB-PVS-60	18L0643-20	Concrete		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-41 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:32	JMB
Aroclor-1221 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:32	JMB
Aroclor-1232 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:32	JMB
Aroclor-1242 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:32	JMB
Aroclor-1248 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:32	JMB
Aroclor-1254 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:32	JMB
Aroclor-1260 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:32	JMB
Aroclor-1262 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:32	JMB
Aroclor-1268 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.3	30-150		12/18/18 18:32
Decachlorobiphenyl [2]	92.6	30-150		12/18/18 18:32
Tetrachloro-m-xylene [1]	74.1	30-150		12/18/18 18:32
Tetrachloro-m-xylene [2]	83.2	30-150		12/18/18 18:32

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-42 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:49	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:49	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:49	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:49	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:49	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:49	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:49	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:49	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 18:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.7	30-150		12/18/18 18:49
Decachlorobiphenyl [2]	83.4	30-150		12/18/18 18:49
Tetrachloro-m-xylene [1]	67.2	30-150		12/18/18 18:49
Tetrachloro-m-xylene [2]	76.4	30-150		12/18/18 18:49

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-43 | Sampled: 12/13/2018 00:00

Sample ID: 18L0643-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:06	JMB
Aroclor-1221 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:06	JMB
Aroclor-1232 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:06	JMB
Aroclor-1242 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:06	JMB
Aroclor-1248 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:06	JMB
Aroclor-1254 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:06	JMB
Aroclor-1260 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:06	JMB
Aroclor-1262 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:06	JMB
Aroclor-1268 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.8	30-150		12/18/18 19:06
Decachlorobiphenyl [2]	104	30-150		12/18/18 19:06
Tetrachloro-m-xylene [1]	80.8	30-150		12/18/18 19:06
Tetrachloro-m-xylene [2]	91.6	30-150		12/18/18 19:06

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-44 | Sampled: 12/13/2018 00:00

Sample ID: 18L0643-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:24	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:24	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:24	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:24	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:24	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:24	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:24	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:24	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.2	30-150		12/18/18 19:24
Decachlorobiphenyl [2]	104	30-150		12/18/18 19:24
Tetrachloro-m-xylene [1]	80.4	30-150		12/18/18 19:24
Tetrachloro-m-xylene [2]	91.1	30-150		12/18/18 19:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-45 DUP | Sampled: 12/13/2018 00:00

Sample ID: 18L0643-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:41	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:41	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:41	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:41	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:41	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:41	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:41	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:41	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.7	30-150		12/18/18 19:41
Decachlorobiphenyl [2]	93.4	30-150		12/18/18 19:41
Tetrachloro-m-xylene [1]	75.9	30-150		12/18/18 19:41
Tetrachloro-m-xylene [2]	85.4	30-150		12/18/18 19:41

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-46 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:58	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:58	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:58	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:58	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:58	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:58	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:58	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:58	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.3	30-150		12/18/18 19:58
Decachlorobiphenyl [2]	96.8	30-150		12/18/18 19:58
Tetrachloro-m-xylene [1]	79.4	30-150		12/18/18 19:58
Tetrachloro-m-xylene [2]	90.3	30-150		12/18/18 19:58

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-47 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:16	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:16	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:16	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:16	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:16	JMB
Aroclor-1254 [2]	0.69	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:16	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:16	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:16	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.6	30-150		12/18/18 20:16
Decachlorobiphenyl [2]	98.1	30-150		12/18/18 20:16
Tetrachloro-m-xylene [1]	76.5	30-150		12/18/18 20:16
Tetrachloro-m-xylene [2]	87.3	30-150		12/18/18 20:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-48 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:33	JMB
Aroclor-1221 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:33	JMB
Aroclor-1232 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:33	JMB
Aroclor-1242 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:33	JMB
Aroclor-1248 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:33	JMB
Aroclor-1254 [2]	0.27	0.083	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:33	JMB
Aroclor-1260 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:33	JMB
Aroclor-1262 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:33	JMB
Aroclor-1268 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.0	30-150		12/18/18 20:33
Decachlorobiphenyl [2]	70.6	30-150		12/18/18 20:33
Tetrachloro-m-xylene [1]	58.7	30-150		12/18/18 20:33
Tetrachloro-m-xylene [2]	67.4	30-150		12/18/18 20:33

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-49 | Sampled: 12/13/2018 00:00

Sample ID: 18L0643-09

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.2	30-150		12/18/18 20:50
Decachlorobiphenyl [2]	75.0	30-150		12/18/18 20:50
Tetrachloro-m-xylene [1]	56.0	30-150		12/18/18 20:50
Tetrachloro-m-xylene [2]	64.2	30-150		12/18/18 20:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-50 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-10

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:54	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:54	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:54	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:54	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:54	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:54	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:54	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:54	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:54	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.2	30-150		12/18/18 21:54
Decachlorobiphenyl [2]	91.2	30-150		12/18/18 21:54
Tetrachloro-m-xylene [1]	75.1	30-150		12/18/18 21:54
Tetrachloro-m-xylene [2]	87.1	30-150		12/18/18 21:54

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-51 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:12	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:12	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:12	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:12	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:12	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:12	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:12	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:12	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.4	30-150		12/18/18 22:12
Decachlorobiphenyl [2]	85.8	30-150		12/18/18 22:12
Tetrachloro-m-xylene [1]	68.2	30-150		12/18/18 22:12
Tetrachloro-m-xylene [2]	81.0	30-150		12/18/18 22:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-52 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-12

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.070	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:29	JMB
Aroclor-1221 [1]	ND	0.070	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:29	JMB
Aroclor-1232 [1]	ND	0.070	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:29	JMB
Aroclor-1242 [1]	ND	0.070	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:29	JMB
Aroclor-1248 [1]	ND	0.070	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:29	JMB
Aroclor-1254 [1]	ND	0.070	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:29	JMB
Aroclor-1260 [1]	ND	0.070	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:29	JMB
Aroclor-1262 [1]	ND	0.070	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:29	JMB
Aroclor-1268 [1]	ND	0.070	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.2	30-150		12/18/18 22:29
Decachlorobiphenyl [2]	91.4	30-150		12/18/18 22:29
Tetrachloro-m-xylene [1]	68.2	30-150		12/18/18 22:29
Tetrachloro-m-xylene [2]	81.3	30-150		12/18/18 22:29

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-53 | Sampled: 12/13/2018 00:00

Sample ID: 18L0643-13

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:46	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:46	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:46	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:46	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:46	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:46	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:46	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:46	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 22:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.8	30-150		12/18/18 22:46
Decachlorobiphenyl [2]	89.4	30-150		12/18/18 22:46
Tetrachloro-m-xylene [1]	73.5	30-150		12/18/18 22:46
Tetrachloro-m-xylene [2]	87.1	30-150		12/18/18 22:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-54 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-14

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:03	JMB
Aroclor-1221 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:03	JMB
Aroclor-1232 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:03	JMB
Aroclor-1242 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:03	JMB
Aroclor-1248 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:03	JMB
Aroclor-1254 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:03	JMB
Aroclor-1260 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:03	JMB
Aroclor-1262 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:03	JMB
Aroclor-1268 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.8	30-150		12/18/18 23:03
Decachlorobiphenyl [2]	81.2	30-150		12/18/18 23:03
Tetrachloro-m-xylene [1]	68.9	30-150		12/18/18 23:03
Tetrachloro-m-xylene [2]	83.1	30-150		12/18/18 23:03

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-55 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-15

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:21	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:21	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:21	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:21	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:21	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:21	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:21	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:21	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:21	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.6	30-150		12/18/18 23:21
Decachlorobiphenyl [2]	88.6	30-150		12/18/18 23:21
Tetrachloro-m-xylene [1]	66.5	30-150		12/18/18 23:21
Tetrachloro-m-xylene [2]	77.8	30-150		12/18/18 23:21

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-56 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-16

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:38	JMB
Aroclor-1221 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:38	JMB
Aroclor-1232 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:38	JMB
Aroclor-1242 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:38	JMB
Aroclor-1248 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:38	JMB
Aroclor-1254 [2]	0.086	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:38	JMB
Aroclor-1260 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:38	JMB
Aroclor-1262 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:38	JMB
Aroclor-1268 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:38	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	56.5	30-150		12/18/18 23:38
Decachlorobiphenyl [2]	64.7	30-150		12/18/18 23:38
Tetrachloro-m-xylene [1]	45.3	30-150		12/18/18 23:38
Tetrachloro-m-xylene [2]	52.3	30-150		12/18/18 23:38

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-57 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-17

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:55	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:55	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:55	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:55	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:55	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:55	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:55	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:55	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 23:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.3	30-150		12/18/18 23:55
Decachlorobiphenyl [2]	78.4	30-150		12/18/18 23:55
Tetrachloro-m-xylene [1]	60.6	30-150		12/18/18 23:55
Tetrachloro-m-xylene [2]	71.2	30-150		12/18/18 23:55

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-58 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-18

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:13	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:13	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:13	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:13	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:13	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:13	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:13	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:13	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:13	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	62.9	30-150		12/19/18 0:13
Decachlorobiphenyl [2]	69.9	30-150		12/19/18 0:13
Tetrachloro-m-xylene [1]	58.7	30-150		12/19/18 0:13
Tetrachloro-m-xylene [2]	68.6	30-150		12/19/18 0:13

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-59 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-19

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:30	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:30	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:30	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:30	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:30	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:30	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:30	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:30	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:30	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	57.5	30-150		12/19/18 0:30
Decachlorobiphenyl [2]	63.6	30-150		12/19/18 0:30
Tetrachloro-m-xylene [1]	50.1	30-150		12/19/18 0:30
Tetrachloro-m-xylene [2]	58.3	30-150		12/19/18 0:30

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0643

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-60 Sampled: 12/13/2018 00:00

Sample ID: 18L0643-20

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:47	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:47	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:47	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:47	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:47	JMB
Aroclor-1254 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:47	JMB
Aroclor-1260 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:47	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:47	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 0:47	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.5	30-150		12/19/18 0:47
Decachlorobiphenyl [2]	74.5	30-150		12/19/18 0:47
Tetrachloro-m-xylene [1]	56.7	30-150		12/19/18 0:47
Tetrachloro-m-xylene [2]	65.8	30-150		12/19/18 0:47

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18L0643-01 [20181212-PB-PVS-41]	B219270	2.72	10.0	12/14/18
18L0643-02 [20181212-PB-PVS-42]	B219270	2.13	10.0	12/14/18
18L0643-03 [20181212-PB-PVS-43]	B219270	2.46	10.0	12/14/18
18L0643-04 [20181212-PB-PVS-44]	B219270	2.16	10.0	12/14/18
18L0643-05 [20181212-PB-PVS-45 DUP]	B219270	2.07	10.0	12/14/18
18L0643-06 [20181212-PB-PVS-46]	B219270	2.22	10.0	12/14/18
18L0643-07 [20181212-PB-PVS-47]	B219270	2.07	10.0	12/14/18
18L0643-08 [20181212-PB-PVS-48]	B219270	2.41	10.0	12/14/18
18L0643-09 [20181212-PB-PVS-49]	B219270	2.08	10.0	12/14/18
18L0643-10 [20181212-PB-PVS-50]	B219270	2.04	10.0	12/14/18
18L0643-11 [20181212-PB-PVS-51]	B219270	2.08	10.0	12/14/18
18L0643-12 [20181212-PB-PVS-52]	B219270	2.84	10.0	12/14/18
18L0643-13 [20181212-PB-PVS-53]	B219270	2.16	10.0	12/14/18
18L0643-14 [20181212-PB-PVS-54]	B219270	2.54	10.0	12/14/18
18L0643-15 [20181212-PB-PVS-55]	B219270	2.27	10.0	12/14/18
18L0643-16 [20181212-PB-PVS-56]	B219270	2.38	10.0	12/14/18
18L0643-17 [20181212-PB-PVS-57]	B219270	2.05	10.0	12/14/18
18L0643-18 [20181212-PB-PVS-58]	B219270	2.13	10.0	12/14/18
18L0643-19 [20181212-PB-PVS-59]	B219270	2.32	10.0	12/14/18
18L0643-20 [20181212-PB-PVS-60]	B219270	2.24	10.0	12/14/18

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219270 - SW-846 3540C										
Blank (B219270-BLK1)				Prepared: 12/14/18 Analyzed: 12/18/18						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.982*		mg/Kg	0.995		98.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.02*		mg/Kg	0.995		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.785*		mg/Kg	0.995		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.861*		mg/Kg	0.995		86.5	30-150			
LCS (B219270-BS1)				Prepared: 12/14/18 Analyzed: 12/18/18						
Aroclor-1016	0.76	0.099	mg/Kg	0.990		77.1	40-140			
Aroclor-1016 [2C]	0.85	0.099	mg/Kg	0.990		85.9	40-140			
Aroclor-1260	0.83	0.099	mg/Kg	0.990		84.1	40-140			
Aroclor-1260 [2C]	0.88	0.099	mg/Kg	0.990		88.5	40-140			
Surrogate: Decachlorobiphenyl	*0.931*		mg/Kg	0.990		94.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.983*		mg/Kg	0.990		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.712*		mg/Kg	0.990		71.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.792*		mg/Kg	0.990		80.0	30-150			
LCS Dup (B219270-BSD1)				Prepared: 12/14/18 Analyzed: 12/18/18						
Aroclor-1016	0.76	0.095	mg/Kg	0.952		79.6	40-140	0.661	30	
Aroclor-1016 [2C]	0.83	0.095	mg/Kg	0.952		87.2	40-140	2.40	30	
Aroclor-1260	0.82	0.095	mg/Kg	0.952		86.2	40-140	1.48	30	
Aroclor-1260 [2C]	0.85	0.095	mg/Kg	0.952		89.5	40-140	2.75	30	
Surrogate: Decachlorobiphenyl	*0.924*		mg/Kg	0.952		97.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.975*		mg/Kg	0.952		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.753*		mg/Kg	0.952		79.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.826*		mg/Kg	0.952		86.8	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219270 - SW-846 3540C										
Matrix Spike (B219270-MS1)	**Source: 18L0643-01**			Prepared: 12/14/18 Analyzed: 12/19/18						
Aroclor-1016	0.69	0.099	mg/Kg	0.990	ND	69.2	40-140			
Aroclor-1016 [2C]	0.79	0.099	mg/Kg	0.990	ND	79.4	40-140			
Aroclor-1260	0.67	0.099	mg/Kg	0.990	ND	67.8	40-140			
Aroclor-1260 [2C]	0.76	0.099	mg/Kg	0.990	ND	77.0	40-140			
Surrogate: Decachlorobiphenyl	*0.766*		mg/Kg	0.990		77.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.849*		mg/Kg	0.990		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.691*		mg/Kg	0.990		69.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.804*		mg/Kg	0.990		81.2	30-150			
Matrix Spike Dup (B219270-MSD1)	**Source: 18L0643-01**			Prepared: 12/14/18 Analyzed: 12/19/18						
Aroclor-1016	0.75	0.099	mg/Kg	0.990	ND	75.3	40-140	8.47	50	
Aroclor-1016 [2C]	0.86	0.099	mg/Kg	0.990	ND	86.8	40-140	8.80	50	
Aroclor-1260	0.73	0.099	mg/Kg	0.990	ND	74.2	40-140	8.95	50	
Aroclor-1260 [2C]	0.84	0.099	mg/Kg	0.990	ND	84.7	40-140	9.59	50	
Surrogate: Decachlorobiphenyl	*0.915*		mg/Kg	0.990		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.02*		mg/Kg	0.990		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.846*		mg/Kg	0.990		85.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.991*		mg/Kg	0.990		100	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PVS-47

Lab Sample ID: 18L0643-07 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.66	
	2	0.000	0.000	0.000	0.69	4.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PVS-48

Lab Sample ID: 18L0643-08 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.24	
	2	0.000	0.000	0.000	0.27	11.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B219270-BS1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.76	
	2	0.000	0.000	0.000	0.85	11.2
Aroclor-1260	1	0.000	0.000	0.000	0.83	
	2	0.000	0.000	0.000	0.88	5.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B219270-BSD1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.76	
	2	0.000	0.000	0.000	0.83	8.8
Aroclor-1260	1	0.000	0.000	0.000	0.82	
	2	0.000	0.000	0.000	0.85	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B219270-MS1 Date(s) Analyzed: 12/19/2018 12/19/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.69	
	2	0.000	0.000	0.000	0.79	13.5
Aroclor-1260	1	0.000	0.000	0.000	0.67	
	2	0.000	0.000	0.000	0.76	12.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B219270-MSD1 Date(s) Analyzed: 12/19/2018 12/19/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.86	13.7
Aroclor-1260	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.84	14.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

18L0637 np 43

JLH

PCB Post Verification Sample Chain of Custody Form

Project Name: Town of Suffield
Project Number: 20151259.A50
Date: 12/12/18
Site Address: 50 North Main Street, Suffield, CT
Building Name: Kent Memorial Library
Project Manager: Helen Rimsa

	Sample ID	Sample Location	Material Abated	Substrate Type
39	20181212-PB-PVS-39-Dup	Upper Level South	Sealants/Coatings/Mastics	Concrete
40	20181212-PB-PVS-40	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
41	20181212-PB-PVS-41	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
42	20181212-PB-PVS-42	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
43	20181212-PB-PVS-43	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
44	20181212-PB-PVS-44	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
45	20181212-PB-PVS-45-Dup	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
46	20181212-PB-PVS-46	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
47	20181212-PB-PVS-47	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
48	20181212-PB-PVS-48	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
49	20181212-PB-PVS-49	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
50	20181212-PB-PVS-50	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
51	20181212-PB-PVS-51	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
52	20181212-PB-PVS-52	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
53	20181212-PB-PVS-53	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
54	20181212-PB-PVS-54	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
55	20181212-PB-PVS-55	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
56	20181212-PB-PVS-56	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
57	20181212-PB-PVS-57	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
58	20181212-PB-PVS-58	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
59	20181212-PB-PVS-59	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
60	20181212-PB-PVS-60	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
61	20181212-PB-PVS-61	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
62	20181212-PB-PVS-62	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete
63	20181212-PB-PVS-63	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete
64	20181212-PB-PVS-64	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client F+O

Received By NJ Date 12/13/18 Time 15:05

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____ Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 36.1/2.4 By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times F

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? T Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	~~5~~ 9
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	~~5~~ 11
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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December 19, 2018

Helen Risma
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St. Suffield, CT
Client Job Number:
Project Number: 20151259.A50
Laboratory Work Order Number: 18L0644

Enclosed are results of analyses for samples received by the laboratory on December 13, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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Table of Contents (continued)

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Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Risma

REPORT DATE: 12/19/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A50

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L0644

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St. Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20181212-PB-PVS-61	18L0644-01	Concrete		SW-846 8082A	
20181212-PB-PVS-62	18L0644-02	Concrete		SW-846 8082A	
20181212-PB-PVS-63	18L0644-03	Concrete		SW-846 8082A	
20181212-PB-PVS-64	18L0644-04	Concrete		SW-846 8082A	
20181212-PB-PVS-65	18L0644-05	Concrete		SW-846 8082A	
20181212-PB-PVS-66	18L0644-06	Concrete		SW-846 8082A	
20181212-PB-PVS-67 DUP	18L0644-07	Concrete		SW-846 8082A	
20181212-PB-PVS-68	18L0644-08	Concrete		SW-846 8082A	
20181212-PB-PVS-69	18L0644-09	Concrete		SW-846 8082A	
20181212-PB-PVS-70	18L0644-10	Concrete		SW-846 8082A	
20181212-PB-PVS-71	18L0644-11	Concrete		SW-846 8082A	
20181212-PB-PVS-72	18L0644-12	Concrete		SW-846 8082A	
20181212-PB-PVS-73	18L0644-13	Concrete		SW-846 8082A	
20181212-PB-PVS-74	18L0644-14	Concrete		SW-846 8082A	
20181212-PB-PVS-75	18L0644-15	Concrete		SW-846 8082A	
20181212-PB-PVS-76	18L0644-16	Concrete		SW-846 8082A	
20181212-PB-PVS-77	18L0644-17	Concrete		SW-846 8082A	
20181212-PB-PVS-78	18L0644-18	Concrete		SW-846 8082A	
20181212-PB-PVS-79	18L0644-19	Concrete		SW-846 8082A	
20181212-PB-PVS-80 DUP	18L0644-20	Concrete		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-61 | Sampled: 12/13/2018 00:00

Sample ID: 18L0644-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:14	TG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:14	TG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:14	TG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:14	TG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:14	TG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:14	TG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:14	TG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:14	TG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.7	30-150		12/18/18 15:14
Decachlorobiphenyl [2]	66.4	30-150		12/18/18 15:14
Tetrachloro-m-xylene [1]	69.9	30-150		12/18/18 15:14
Tetrachloro-m-xylene [2]	73.5	30-150		12/18/18 15:14

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-62 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:32	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:32	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:32	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:32	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:32	TG
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:32	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:32	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:32	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	59.8	30-150		12/18/18 15:32
Decachlorobiphenyl [2]	61.9	30-150		12/18/18 15:32
Tetrachloro-m-xylene [1]	62.5	30-150		12/18/18 15:32
Tetrachloro-m-xylene [2]	66.5	30-150		12/18/18 15:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-63 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:50	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:50	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:50	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:50	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:50	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:50	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:50	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:50	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 15:50	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.9	30-150		12/18/18 15:50
Decachlorobiphenyl [2]	89.2	30-150		12/18/18 15:50
Tetrachloro-m-xylene [1]	85.1	30-150		12/18/18 15:50
Tetrachloro-m-xylene [2]	89.2	30-150		12/18/18 15:50

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-64 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:08	TG
Aroclor-1221 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:08	TG
Aroclor-1232 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:08	TG
Aroclor-1242 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:08	TG
Aroclor-1248 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:08	TG
Aroclor-1254 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:08	TG
Aroclor-1260 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:08	TG
Aroclor-1262 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:08	TG
Aroclor-1268 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	52.5	30-150		12/18/18 16:08
Decachlorobiphenyl [2]	55.4	30-150		12/18/18 16:08
Tetrachloro-m-xylene [1]	55.7	30-150		12/18/18 16:08
Tetrachloro-m-xylene [2]	59.7	30-150		12/18/18 16:08

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-65 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:26	TG
Aroclor-1221 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:26	TG
Aroclor-1232 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:26	TG
Aroclor-1242 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:26	TG
Aroclor-1248 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:26	TG
Aroclor-1254 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:26	TG
Aroclor-1260 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:26	TG
Aroclor-1262 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:26	TG
Aroclor-1268 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		12/18/18 16:26
Decachlorobiphenyl [2]	87.3	30-150		12/18/18 16:26
Tetrachloro-m-xylene [1]	81.6	30-150		12/18/18 16:26
Tetrachloro-m-xylene [2]	86.1	30-150		12/18/18 16:26

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-66 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:44	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:44	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:44	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:44	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:44	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:44	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:44	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:44	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 16:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.9	30-150		12/18/18 16:44
Decachlorobiphenyl [2]	74.4	30-150		12/18/18 16:44
Tetrachloro-m-xylene [1]	68.4	30-150		12/18/18 16:44
Tetrachloro-m-xylene [2]	73.1	30-150		12/18/18 16:44

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-67 DUP Sampled: 12/13/2018 00:00

Sample ID: 18L0644-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:02	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:02	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:02	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:02	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:02	TG
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:02	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:02	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:02	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.3	30-150		12/18/18 17:02
Decachlorobiphenyl [2]	71.1	30-150		12/18/18 17:02
Tetrachloro-m-xylene [1]	68.5	30-150		12/18/18 17:02
Tetrachloro-m-xylene [2]	73.3	30-150		12/18/18 17:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-68 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:19	TG
Aroclor-1221 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:19	TG
Aroclor-1232 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:19	TG
Aroclor-1242 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:19	TG
Aroclor-1248 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:19	TG
Aroclor-1254 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:19	TG
Aroclor-1260 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:19	TG
Aroclor-1262 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:19	TG
Aroclor-1268 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:19	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.6	30-150		12/18/18 17:19
Decachlorobiphenyl [2]	90.0	30-150		12/18/18 17:19
Tetrachloro-m-xylene [1]	81.4	30-150		12/18/18 17:19
Tetrachloro-m-xylene [2]	87.2	30-150		12/18/18 17:19

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-69 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-09

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:37	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:37	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:37	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:37	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:37	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:37	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:37	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:37	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.9	30-150		12/18/18 17:37
Decachlorobiphenyl [2]	72.5	30-150		12/18/18 17:37
Tetrachloro-m-xylene [1]	69.0	30-150		12/18/18 17:37
Tetrachloro-m-xylene [2]	74.0	30-150		12/18/18 17:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-70 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-10

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:55	TG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:55	TG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:55	TG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:55	TG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:55	TG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:55	TG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:55	TG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:55	TG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 17:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.3	30-150		12/18/18 17:55
Decachlorobiphenyl [2]	91.3	30-150		12/18/18 17:55
Tetrachloro-m-xylene [1]	82.4	30-150		12/18/18 17:55
Tetrachloro-m-xylene [2]	87.2	30-150		12/18/18 17:55

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-71 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:02	TG
Aroclor-1221 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:02	TG
Aroclor-1232 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:02	TG
Aroclor-1242 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:02	TG
Aroclor-1248 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:02	TG
Aroclor-1254 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:02	TG
Aroclor-1260 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:02	TG
Aroclor-1262 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:02	TG
Aroclor-1268 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.3	30-150		12/18/18 19:02
Decachlorobiphenyl [2]	80.0	30-150		12/18/18 19:02
Tetrachloro-m-xylene [1]	73.2	30-150		12/18/18 19:02
Tetrachloro-m-xylene [2]	78.2	30-150		12/18/18 19:02

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-72 | Sampled: 12/13/2018 00:00

Sample ID: 18L0644-12

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:20	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:20	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:20	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:20	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:20	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:20	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:20	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:20	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:20	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.3	30-150		12/18/18 19:20
Decachlorobiphenyl [2]	85.9	30-150		12/18/18 19:20
Tetrachloro-m-xylene [1]	81.6	30-150		12/18/18 19:20
Tetrachloro-m-xylene [2]	87.7	30-150		12/18/18 19:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-73 | Sampled: 12/13/2018 00:00

Sample ID: 18L0644-13

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:38	TG
Aroclor-1221 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:38	TG
Aroclor-1232 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:38	TG
Aroclor-1242 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:38	TG
Aroclor-1248 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:38	TG
Aroclor-1254 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:38	TG
Aroclor-1260 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:38	TG
Aroclor-1262 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:38	TG
Aroclor-1268 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.5	30-150		12/18/18 19:38
Decachlorobiphenyl [2]	79.3	30-150		12/18/18 19:38
Tetrachloro-m-xylene [1]	70.4	30-150		12/18/18 19:38
Tetrachloro-m-xylene [2]	74.7	30-150		12/18/18 19:38

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-74 | Sampled: 12/13/2018 00:00

Sample ID: 18L0644-14

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:56	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:56	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:56	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:56	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:56	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:56	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:56	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:56	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 19:56	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.2	30-150		12/18/18 19:56
Decachlorobiphenyl [2]	70.7	30-150		12/18/18 19:56
Tetrachloro-m-xylene [1]	69.6	30-150		12/18/18 19:56
Tetrachloro-m-xylene [2]	74.2	30-150		12/18/18 19:56

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-75 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-15

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.068	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 10:19	TG
Aroclor-1221 [1]	ND	0.068	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 10:19	TG
Aroclor-1232 [1]	ND	0.068	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 10:19	TG
Aroclor-1242 [1]	ND	0.068	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 10:19	TG
Aroclor-1248 [2]	0.22	0.068	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 10:19	TG
Aroclor-1254 [1]	ND	0.068	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 10:19	TG
Aroclor-1260 [1]	ND	0.068	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 10:19	TG
Aroclor-1262 [1]	ND	0.068	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 10:19	TG
Aroclor-1268 [1]	ND	0.068	mg/Kg	1		SW-846 8082A	12/14/18	12/19/18 10:19	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.6	30-150		12/19/18 10:19
Decachlorobiphenyl [2]	103	30-150		12/19/18 10:19
Tetrachloro-m-xylene [1]	89.0	30-150		12/19/18 10:19
Tetrachloro-m-xylene [2]	91.5	30-150		12/19/18 10:19

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-76 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-16

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:32	TG
Aroclor-1221 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:32	TG
Aroclor-1232 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:32	TG
Aroclor-1242 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:32	TG
Aroclor-1248 [2]	0.21	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:32	TG
Aroclor-1254 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:32	TG
Aroclor-1260 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:32	TG
Aroclor-1262 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:32	TG
Aroclor-1268 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.4	30-150		12/18/18 20:32
Decachlorobiphenyl [2]	82.0	30-150		12/18/18 20:32
Tetrachloro-m-xylene [1]	76.5	30-150		12/18/18 20:32
Tetrachloro-m-xylene [2]	81.6	30-150		12/18/18 20:32

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-77 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-17

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	TG
Aroclor-1248 [2]	0.095	0.091	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	TG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 20:50	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		12/18/18 20:50
Decachlorobiphenyl [2]	102	30-150		12/18/18 20:50
Tetrachloro-m-xylene [1]	94.2	30-150		12/18/18 20:50
Tetrachloro-m-xylene [2]	99.0	30-150		12/18/18 20:50

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-78 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-18

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:08	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:08	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:08	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:08	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:08	TG
Aroclor-1254 [2]	0.24	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:08	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:08	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:08	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.2	30-150		12/18/18 21:08
Decachlorobiphenyl [2]	97.3	30-150		12/18/18 21:08
Tetrachloro-m-xylene [1]	90.3	30-150		12/18/18 21:08
Tetrachloro-m-xylene [2]	94.6	30-150		12/18/18 21:08

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-79 Sampled: 12/13/2018 00:00

Sample ID: 18L0644-19

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:26	TG
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:26	TG
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:26	TG
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:26	TG
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:26	TG
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:26	TG
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:26	TG
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:26	TG
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		12/18/18 21:26
Decachlorobiphenyl [2]	93.2	30-150		12/18/18 21:26
Tetrachloro-m-xylene [1]	92.6	30-150		12/18/18 21:26
Tetrachloro-m-xylene [2]	97.2	30-150		12/18/18 21:26

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Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0644

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PVS-80 DUP Sampled: 12/13/2018 00:00

Sample ID: 18L0644-20

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:44	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:44	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:44	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:44	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:44	TG
Aroclor-1254 [2]	0.096	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:44	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:44	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:44	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	12/14/18	12/18/18 21:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.9	30-150		12/18/18 21:44
Decachlorobiphenyl [2]	101	30-150		12/18/18 21:44
Tetrachloro-m-xylene [1]	96.4	30-150		12/18/18 21:44
Tetrachloro-m-xylene [2]	100	30-150		12/18/18 21:44

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18L0644-01 [20181212-PB-PVS-61]	B219268	2.11	10.0	12/14/18
18L0644-02 [20181212-PB-PVS-62]	B219268	2.18	10.0	12/14/18
18L0644-03 [20181212-PB-PVS-63]	B219268	2.24	10.0	12/14/18
18L0644-04 [20181212-PB-PVS-64]	B219268	2.49	10.0	12/14/18
18L0644-05 [20181212-PB-PVS-65]	B219268	2.35	10.0	12/14/18
18L0644-06 [20181212-PB-PVS-66]	B219268	2.14	10.0	12/14/18
18L0644-07 [20181212-PB-PVS-67 DUP]	B219268	2.18	10.0	12/14/18
18L0644-08 [20181212-PB-PVS-68]	B219268	2.37	10.0	12/14/18
18L0644-09 [20181212-PB-PVS-69]	B219268	2.16	10.0	12/14/18
18L0644-10 [20181212-PB-PVS-70]	B219268	2.10	10.0	12/14/18
18L0644-11 [20181212-PB-PVS-71]	B219268	2.56	10.0	12/14/18
18L0644-12 [20181212-PB-PVS-72]	B219268	2.14	10.0	12/14/18
18L0644-13 [20181212-PB-PVS-73]	B219268	2.73	10.0	12/14/18
18L0644-14 [20181212-PB-PVS-74]	B219268	2.07	10.0	12/14/18
18L0644-15 [20181212-PB-PVS-75]	B219268	2.94	10.0	12/14/18
18L0644-16 [20181212-PB-PVS-76]	B219268	2.54	10.0	12/14/18
18L0644-17 [20181212-PB-PVS-77]	B219268	2.19	10.0	12/14/18
18L0644-18 [20181212-PB-PVS-78]	B219268	2.18	10.0	12/14/18
18L0644-19 [20181212-PB-PVS-79]	B219268	2.22	10.0	12/14/18
18L0644-20 [20181212-PB-PVS-80 DUP]	B219268	2.13	10.0	12/14/18

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219268 - SW-846 3540C										
Blank (B219268-BLK1)				Prepared: 12/14/18 Analyzed: 12/18/18						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.891*		mg/Kg	0.995		89.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.874*		mg/Kg	0.995		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.938*		mg/Kg	0.995		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.964*		mg/Kg	0.995		96.8	30-150			
LCS (B219268-BS1)				Prepared: 12/14/18 Analyzed: 12/18/18						
Aroclor-1016	0.89	0.099	mg/Kg	0.990		89.9	40-140			
Aroclor-1016 [2C]	0.89	0.099	mg/Kg	0.990		90.3	40-140			
Aroclor-1260	0.84	0.099	mg/Kg	0.990		85.3	40-140			
Aroclor-1260 [2C]	0.93	0.099	mg/Kg	0.990		93.5	40-140			
Surrogate: Decachlorobiphenyl	*0.892*		mg/Kg	0.990		90.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.880*		mg/Kg	0.990		88.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.948*		mg/Kg	0.990		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.971*		mg/Kg	0.990		98.1	30-150			
LCS Dup (B219268-BSD1)				Prepared: 12/14/18 Analyzed: 12/18/18						
Aroclor-1016	0.77	0.095	mg/Kg	0.948		81.2	40-140	14.6	30	
Aroclor-1016 [2C]	0.77	0.095	mg/Kg	0.948		81.7	40-140	14.3	30	
Aroclor-1260	0.73	0.095	mg/Kg	0.948		76.7	40-140	15.0	30	
Aroclor-1260 [2C]	0.80	0.095	mg/Kg	0.948		84.5	40-140	14.4	30	
Surrogate: Decachlorobiphenyl	*0.766*		mg/Kg	0.948		80.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.764*		mg/Kg	0.948		80.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.814*		mg/Kg	0.948		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.848*		mg/Kg	0.948		89.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219268 - SW-846 3540C										
Matrix Spike (B219268-MS1)	**Source: 18L0644-01**			Prepared: 12/14/18 Analyzed: 12/18/18						
Aroclor-1016	0.61	0.090	mg/Kg	0.897	ND	68.3	40-140			
Aroclor-1016 [2C]	0.63	0.090	mg/Kg	0.897	ND	69.7	40-140			
Aroclor-1260	0.62	0.090	mg/Kg	0.897	ND	69.1	40-140			
Aroclor-1260 [2C]	0.67	0.090	mg/Kg	0.897	ND	75.0	40-140			
Surrogate: Decachlorobiphenyl	*0.755*		mg/Kg	0.897		84.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.807*		mg/Kg	0.897		90.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.741*		mg/Kg	0.897		82.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.780*		mg/Kg	0.897		86.9	30-150			
Matrix Spike Dup (B219268-MSD1)	**Source: 18L0644-01**			Prepared: 12/14/18 Analyzed: 12/18/18						
Aroclor-1016	0.65	0.096	mg/Kg	0.962	ND	68.0	40-140	6.51	50	
Aroclor-1016 [2C]	0.67	0.096	mg/Kg	0.962	ND	70.0	40-140	7.40	50	
Aroclor-1260	0.65	0.096	mg/Kg	0.962	ND	67.5	40-140	4.58	50	
Aroclor-1260 [2C]	0.70	0.096	mg/Kg	0.962	ND	73.0	40-140	4.28	50	
Surrogate: Decachlorobiphenyl	*0.765*		mg/Kg	0.962		79.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.819*		mg/Kg	0.962		85.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.762*		mg/Kg	0.962		79.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.795*		mg/Kg	0.962		82.6	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PVS-75

Lab Sample ID: 18L0644-15 Date(s) Analyzed: 12/19/2018 12/19/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.19	
	2	0.000	0.000	0.000	0.22	14.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PVS-76

Lab Sample ID: 18L0644-16 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.19	
	2	0.000	0.000	0.000	0.21	10.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PVS-78

Lab Sample ID: 18L0644-18 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.24	
	2	0.000	0.000	0.000	0.24	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B219268-BS1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.89	
	2	0.000	0.000	0.000	0.89	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.93	9.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B219268-BSD1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.77	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.80	9.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B219268-MS1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.61	
	2	0.000	0.000	0.000	0.63	3.2
Aroclor-1260	1	0.000	0.000	0.000	0.62	
	2	0.000	0.000	0.000	0.67	7.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B219268-MSD1 Date(s) Analyzed: 12/18/2018 12/18/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.67	3.0
Aroclor-1260	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.70	7.4

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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1860637 p 1860644

JLH

PCB Post Verification Sample Chain of Custody Form

Project Name: Town of Suffield Project Number: 20151259.A50 Date: 12/12/18

Site Address: 50 North Main Street, Suffield, CT Building Name: Kent Memorial Library Project Manager: Helen Rimsa

	Sample ID	Sample Location	Material Abated	Substrate Type
39	20181212-PB-PVS-39-Dup	Upper Level South	Sealants/Coatings/Mastics	Concrete
40	20181212-PB-PVS-40	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
41	20181212-PB-PVS-41	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
42	20181212-PB-PVS-42	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
43	20181212-PB-PVS-43	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
44	20181212-PB-PVS-44	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
45	20181212-PB-PVS-45-Dup	Intermediate Level South	Sealants/Coatings/Mastics	Concrete
46	20181212-PB-PVS-46	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
47	20181212-PB-PVS-47	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
48	20181212-PB-PVS-48	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
49	20181212-PB-PVS-49	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
50	20181212-PB-PVS-50	Lower Level Auditorium	Sealants/Coatings/Mastics	Concrete
51	20181212-PB-PVS-51	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
52	20181212-PB-PVS-52	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
53	20181212-PB-PVS-53	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
54	20181212-PB-PVS-54	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
55	20181212-PB-PVS-55	Lower Level Record Room	Sealants/Coatings/Mastics	Concrete
56	20181212-PB-PVS-56	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
57	20181212-PB-PVS-57	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
58	20181212-PB-PVS-58	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
59	20181212-PB-PVS-59	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
60	20181212-PB-PVS-60	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
1 61	20181212-PB-PVS-61	Lower Level Equipment Room	Sealants/Coatings/Mastics	Concrete
2 62	20181212-PB-PVS-62	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete
3 63	20181212-PB-PVS-63	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete
4 64	20181212-PB-PVS-64	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete

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~~180627~~mp 180644

SLH

PCB Post Verification Sample Chain of Custody Form

Project Name: Town of Suffield
Project Number: 20151259.A50
Date: 12/12/18

Site Address: 50 North Main Street, Suffield, CT
Building Name: Kent Memorial Library
Project Manager: Helen Rimsa

	Sample ID	Sample Location	Material Abated	Substrate Type
5 65	20181212-PB-PVS-65	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete
6 66	20181212-PB-PVS-66	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete
7 67	20181212-PB-PVS-67-Dup	Lower Level Lounge	Sealants/Coatings/Mastics	Concrete
8 68	20181212-PB-PVS-68	Lower Level Work Room	Sealants/Coatings/Mastics	Concrete
9 69	20181212-PB-PVS-69	Lower Level Work Room	Sealants/Coatings/Mastics	Concrete
10 70	20181212-PB-PVS-70	Lower Level Work Room	Sealants/Coatings/Mastics	Concrete
11 71	20181212-PB-PVS-71	Lower Level Work Room	Sealants/Coatings/Mastics	Concrete
12 72	20181212-PB-PVS-72	Lower Level Work Room	Sealants/Coatings/Mastics	Concrete
13 73	20181212-PB-PVS-73	Lower Level Lounge Toilet	Sealants/Coatings/Mastics	Concrete
14 74	20181212-PB-PVS-74	Lower Level Office Toilet	Sealants/Coatings/Mastics	Concrete
15 75	20181212-PB-PVS-75	Lower Level Office	Sealants/Coatings/Mastics	Concrete
16 76	20181212-PB-PVS-76	Lower Level Office	Sealants/Coatings/Mastics	Concrete
17 77	20181212-PB-PVS-77	Lower Level Office	Sealants/Coatings/Mastics	Concrete
18 78	20181212-PB-PVS-78	Lower Level Office	Sealants/Coatings/Mastics	Concrete
19 79	20181212-PB-PVS-79	Lower Level Office	Sealants/Coatings/Mastics	Concrete
20 80 mp	20181212-PB-PVS-80-Dup	Lower Level Office	Sealants/Coatings/Mastics	Concrete

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: _____
Turnaround Time: 4 day TAT

Fax Results to the Fuss & O'Neill Laboratory at: 888-838-1160. E-Mail PDF of Results to hrimsa@fando.com.

(Note: 48-hour is quickest possible)

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: Paul Bateman/Scott Mossey **Contact Info:** _____ **Date:** _____ **Time:** _____

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PCB Post Verification Sample Chain of Custody Form

Project Name: Town of Suffield Project Number: 20151259.A50 Date: 12/12/18

Site Address: 50 North Main Street, Suffield, CT Building Name: Kent Memorial Library Project Manager: Helen Rimsa

Relinquished [By][To] [Contest Labs || Helen Rimsa 3.6/9.1/2.4 **] Date:** 12/13/18 **Time:** 1505

Relinquished [By][To] [MP || **] Date:** 12/13/18 **Time:** 1505

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client F+O

Received By NP Date 12/13/18 Time 15:05

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.6/3.1/2.4 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times F

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	5 np 19
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	15 np 1
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Appendix R

Wipe Sampling Laboratory Report and Chain of Custody 12/12/18

con-test® ANALYTICAL LABORATORY
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December 20, 2018

Helen Risma
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St. Suffield, CT
Client Job Number:
Project Number: 20151259.A50
Laboratory Work Order Number: 18L0640

Enclosed are results of analyses for samples received by the laboratory on December 13, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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Table of Contents (continued)

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Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Risma

REPORT DATE: 12/20/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A50

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L0640

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St. Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20181212-PB-PCB Wipe-1	18L0640-01	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-2	18L0640-02	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-3	18L0640-03	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-4	18L0640-04	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-5	18L0640-05	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-6	18L0640-06	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-7	18L0640-07	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-8	18L0640-08	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-9	18L0640-09	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-10	18L0640-10	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-11	18L0640-11	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-12	18L0640-12	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-13	18L0640-13	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-14	18L0640-14	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-15	18L0640-15	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-16	18L0640-16	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-17	18L0640-17	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-18	18L0640-18	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-19	18L0640-19	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-20	18L0640-20	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-21	18L0640-21	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-22	18L0640-22	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-23	18L0640-23	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-24	18L0640-24	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-25 DUP	18L0640-25	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-26 DUP	18L0640-26	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-27 DUP	18L0640-27	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-28	18L0640-28	Wipe		SW-846 8082A	
20181212-PB-PCB Wipe-29	18L0640-29	Wipe		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-1 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:23	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:23	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:23	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:23	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:23	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:23	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:23	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:23	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		12/19/18 18:23
Decachlorobiphenyl [2]	104	30-150		12/19/18 18:23
Tetrachloro-m-xylene [1]	101	30-150		12/19/18 18:23
Tetrachloro-m-xylene [2]	104	30-150		12/19/18 18:23

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-2 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:36	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:36	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:36	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:36	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:36	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:36	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:36	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:36	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.8	30-150		12/19/18 18:36
Decachlorobiphenyl [2]	101	30-150		12/19/18 18:36
Tetrachloro-m-xylene [1]	99.7	30-150		12/19/18 18:36
Tetrachloro-m-xylene [2]	103	30-150		12/19/18 18:36

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-3 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:48	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:48	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:48	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:48	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:48	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:48	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:48	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:48	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 18:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.7	30-150		12/19/18 18:48
Decachlorobiphenyl [2]	100	30-150		12/19/18 18:48
Tetrachloro-m-xylene [1]	96.7	30-150		12/19/18 18:48
Tetrachloro-m-xylene [2]	99.5	30-150		12/19/18 18:48

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-4 | Sampled: 12/12/2018 12:00

Sample ID: 18L0640-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:01	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:01	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:01	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:01	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:01	JMB
Aroclor-1254 [2]	0.41	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:01	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:01	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:01	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:01	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		12/19/18 19:01
Decachlorobiphenyl [2]	99.1	30-150		12/19/18 19:01
Tetrachloro-m-xylene [1]	97.6	30-150		12/19/18 19:01
Tetrachloro-m-xylene [2]	101	30-150		12/19/18 19:01

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-5 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:13	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:13	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:13	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:13	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:13	JMB
Aroclor-1254 [2]	0.66	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:13	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:13	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:13	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:13	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.4	30-150		12/19/18 19:13
Decachlorobiphenyl [2]	98.3	30-150		12/19/18 19:13
Tetrachloro-m-xylene [1]	96.2	30-150		12/19/18 19:13
Tetrachloro-m-xylene [2]	100	30-150		12/19/18 19:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-6 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:26	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:26	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:26	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:26	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:26	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:26	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:26	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:26	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.3	30-150		12/19/18 19:26
Decachlorobiphenyl [2]	98.6	30-150		12/19/18 19:26
Tetrachloro-m-xylene [1]	96.4	30-150		12/19/18 19:26
Tetrachloro-m-xylene [2]	99.9	30-150		12/19/18 19:26

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-7 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:39	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:39	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:39	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:39	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:39	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:39	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:39	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:39	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.8	30-150		12/19/18 19:39
Decachlorobiphenyl [2]	103	30-150		12/19/18 19:39
Tetrachloro-m-xylene [1]	98.5	30-150		12/19/18 19:39
Tetrachloro-m-xylene [2]	102	30-150		12/19/18 19:39

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-8 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:51	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:51	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:51	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:51	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:51	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:51	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:51	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:51	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 19:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		12/19/18 19:51
Decachlorobiphenyl [2]	104	30-150		12/19/18 19:51
Tetrachloro-m-xylene [1]	99.9	30-150		12/19/18 19:51
Tetrachloro-m-xylene [2]	103	30-150		12/19/18 19:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-9 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:04	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:04	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:04	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:04	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:04	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:04	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:04	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:04	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.1	30-150		12/19/18 20:04
Decachlorobiphenyl [2]	99.4	30-150		12/19/18 20:04
Tetrachloro-m-xylene [1]	97.2	30-150		12/19/18 20:04
Tetrachloro-m-xylene [2]	101	30-150		12/19/18 20:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-10 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:16	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:16	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:16	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:16	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:16	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:16	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:16	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:16	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 20:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		12/19/18 20:16
Decachlorobiphenyl [2]	109	30-150		12/19/18 20:16
Tetrachloro-m-xylene [1]	105	30-150		12/19/18 20:16
Tetrachloro-m-xylene [2]	109	30-150		12/19/18 20:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-11 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:07	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:07	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:07	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:07	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:07	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:07	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:07	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:07	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		12/19/18 21:07
Decachlorobiphenyl [2]	104	30-150		12/19/18 21:07
Tetrachloro-m-xylene [1]	99.2	30-150		12/19/18 21:07
Tetrachloro-m-xylene [2]	102	30-150		12/19/18 21:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-12 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:20	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:20	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:20	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:20	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:20	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:20	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:20	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:20	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.7	30-150		12/19/18 21:20
Decachlorobiphenyl [2]	97.6	30-150		12/19/18 21:20
Tetrachloro-m-xylene [1]	95.1	30-150		12/19/18 21:20
Tetrachloro-m-xylene [2]	98.6	30-150		12/19/18 21:20

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-13 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-13

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:32	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:32	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:32	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:32	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:32	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:32	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:32	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:32	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.6	30-150		12/19/18 21:32
Decachlorobiphenyl [2]	102	30-150		12/19/18 21:32
Tetrachloro-m-xylene [1]	97.8	30-150		12/19/18 21:32
Tetrachloro-m-xylene [2]	101	30-150		12/19/18 21:32

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-14 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-14

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:45	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:45	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:45	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:45	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:45	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:45	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:45	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:45	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:45	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.3	30-150		12/19/18 21:45
Decachlorobiphenyl [2]	102	30-150		12/19/18 21:45
Tetrachloro-m-xylene [1]	98.7	30-150		12/19/18 21:45
Tetrachloro-m-xylene [2]	101	30-150		12/19/18 21:45

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-15 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-15

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:57	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:57	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:57	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:57	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:57	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:57	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:57	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:57	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 21:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		12/19/18 21:57
Decachlorobiphenyl [2]	107	30-150		12/19/18 21:57
Tetrachloro-m-xylene [1]	103	30-150		12/19/18 21:57
Tetrachloro-m-xylene [2]	107	30-150		12/19/18 21:57

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-16 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-16

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:10	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:10	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:10	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:10	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:10	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:10	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:10	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:10	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:10	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.4	30-150		12/19/18 22:10
Decachlorobiphenyl [2]	98.9	30-150		12/19/18 22:10
Tetrachloro-m-xylene [1]	96.9	30-150		12/19/18 22:10
Tetrachloro-m-xylene [2]	101	30-150		12/19/18 22:10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-17 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-17

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:23	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:23	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:23	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:23	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:23	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:23	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:23	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:23	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.0	30-150		12/19/18 22:23
Decachlorobiphenyl [2]	91.0	30-150		12/19/18 22:23
Tetrachloro-m-xylene [1]	90.1	30-150		12/19/18 22:23
Tetrachloro-m-xylene [2]	94.4	30-150		12/19/18 22:23

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-18 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-18

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:36	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:36	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:36	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:36	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:36	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:36	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:36	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:36	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		12/19/18 22:36
Decachlorobiphenyl [2]	106	30-150		12/19/18 22:36
Tetrachloro-m-xylene [1]	101	30-150		12/19/18 22:36
Tetrachloro-m-xylene [2]	105	30-150		12/19/18 22:36

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-19 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-19

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:48	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:48	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:48	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:48	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:48	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:48	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:48	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:48	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 22:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		12/19/18 22:48
Decachlorobiphenyl [2]	107	30-150		12/19/18 22:48
Tetrachloro-m-xylene [1]	102	30-150		12/19/18 22:48
Tetrachloro-m-xylene [2]	105	30-150		12/19/18 22:48

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-20 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-20

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 23:01	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 23:01	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 23:01	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 23:01	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 23:01	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 23:01	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 23:01	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 23:01	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 23:01	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.8	30-150		12/19/18 23:01
Decachlorobiphenyl [2]	97.1	30-150		12/19/18 23:01
Tetrachloro-m-xylene [1]	94.5	30-150		12/19/18 23:01
Tetrachloro-m-xylene [2]	97.6	30-150		12/19/18 23:01

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-21 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-21

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:14	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:14	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:14	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:14	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:14	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:14	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:14	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:14	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.5	30-150		12/19/18 15:14
Decachlorobiphenyl [2]	98.4	30-150		12/19/18 15:14
Tetrachloro-m-xylene [1]	97.2	30-150		12/19/18 15:14
Tetrachloro-m-xylene [2]	99.8	30-150		12/19/18 15:14

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-22 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-22

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:26	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:26	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:26	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:26	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:26	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:26	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:26	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:26	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.4	30-150		12/19/18 15:26
Decachlorobiphenyl [2]	101	30-150		12/19/18 15:26
Tetrachloro-m-xylene [1]	99.7	30-150		12/19/18 15:26
Tetrachloro-m-xylene [2]	102	30-150		12/19/18 15:26

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-23 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-23

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:39	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:39	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:39	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:39	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:39	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:39	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:39	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:39	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.5	30-150		12/19/18 15:39
Decachlorobiphenyl [2]	96.3	30-150		12/19/18 15:39
Tetrachloro-m-xylene [1]	95.2	30-150		12/19/18 15:39
Tetrachloro-m-xylene [2]	97.5	30-150		12/19/18 15:39

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-24 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-24

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:51	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:51	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:51	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:51	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:51	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:51	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:51	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:51	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 15:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.1	30-150		12/19/18 15:51
Decachlorobiphenyl [2]	95.5	30-150		12/19/18 15:51
Tetrachloro-m-xylene [1]	90.8	30-150		12/19/18 15:51
Tetrachloro-m-xylene [2]	92.6	30-150		12/19/18 15:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-25 DUP Sampled: 12/12/2018 12:00

Sample ID: 18L0640-25

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:04	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:04	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:04	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:04	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:04	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:04	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:04	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:04	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.0	30-150		12/19/18 16:04
Decachlorobiphenyl [2]	94.9	30-150		12/19/18 16:04
Tetrachloro-m-xylene [1]	95.2	30-150		12/19/18 16:04
Tetrachloro-m-xylene [2]	97.9	30-150		12/19/18 16:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-26 DUP Sampled: 12/12/2018 12:00

Sample ID: 18L0640-26

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:17	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:17	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:17	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:17	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:17	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:17	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:17	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:17	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.7	30-150		12/19/18 16:17
Decachlorobiphenyl [2]	95.0	30-150		12/19/18 16:17
Tetrachloro-m-xylene [1]	96.3	30-150		12/19/18 16:17
Tetrachloro-m-xylene [2]	99.0	30-150		12/19/18 16:17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-27 DUP | Sampled: 12/12/2018 12:00

Sample ID: 18L0640-27

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:29	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:29	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:29	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:29	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:29	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:29	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:29	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:29	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.0	30-150		12/19/18 16:29
Decachlorobiphenyl [2]	96.5	30-150		12/19/18 16:29
Tetrachloro-m-xylene [1]	97.0	30-150		12/19/18 16:29
Tetrachloro-m-xylene [2]	99.3	30-150		12/19/18 16:29

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-28 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-28

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:42	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:42	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:42	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:42	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:42	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:42	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:42	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:42	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.0	30-150		12/19/18 16:42
Decachlorobiphenyl [2]	95.8	30-150		12/19/18 16:42
Tetrachloro-m-xylene [1]	95.8	30-150		12/19/18 16:42
Tetrachloro-m-xylene [2]	98.1	30-150		12/19/18 16:42

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Work Order: 18L0640

Date Received: 12/13/2018

Field Sample #: 20181212-PB-PCB Wipe-29 Sampled: 12/12/2018 12:00

Sample ID: 18L0640-29

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:55	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:55	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:55	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:55	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:55	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:55	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:55	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:55	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/14/18	12/19/18 16:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.7	30-150		12/19/18 16:55
Decachlorobiphenyl [2]	99.9	30-150		12/19/18 16:55
Tetrachloro-m-xylene [1]	99.2	30-150		12/19/18 16:55
Tetrachloro-m-xylene [2]	101	30-150		12/19/18 16:55

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
18L0640-21 [20181212-PB-PCB Wipe-21]	B219197	1.00	10.0	12/14/18
18L0640-22 [20181212-PB-PCB Wipe-22]	B219197	1.00	10.0	12/14/18
18L0640-23 [20181212-PB-PCB Wipe-23]	B219197	1.00	10.0	12/14/18
18L0640-24 [20181212-PB-PCB Wipe-24]	B219197	1.00	10.0	12/14/18
18L0640-25 [20181212-PB-PCB Wipe-25 DUP]	B219197	1.00	10.0	12/14/18
18L0640-26 [20181212-PB-PCB Wipe-26 DUP]	B219197	1.00	10.0	12/14/18
18L0640-27 [20181212-PB-PCB Wipe-27 DUP]	B219197	1.00	10.0	12/14/18
18L0640-28 [20181212-PB-PCB Wipe-28]	B219197	1.00	10.0	12/14/18
18L0640-29 [20181212-PB-PCB Wipe-29]	B219197	1.00	10.0	12/14/18

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
18L0640-01 [20181212-PB-PCB Wipe-1]	B219250	1.00	10.0	12/14/18
18L0640-02 [20181212-PB-PCB Wipe-2]	B219250	1.00	10.0	12/14/18
18L0640-03 [20181212-PB-PCB Wipe-3]	B219250	1.00	10.0	12/14/18
18L0640-04 [20181212-PB-PCB Wipe-4]	B219250	1.00	10.0	12/14/18
18L0640-05 [20181212-PB-PCB Wipe-5]	B219250	1.00	10.0	12/14/18
18L0640-06 [20181212-PB-PCB Wipe-6]	B219250	1.00	10.0	12/14/18
18L0640-07 [20181212-PB-PCB Wipe-7]	B219250	1.00	10.0	12/14/18
18L0640-08 [20181212-PB-PCB Wipe-8]	B219250	1.00	10.0	12/14/18
18L0640-09 [20181212-PB-PCB Wipe-9]	B219250	1.00	10.0	12/14/18
18L0640-10 [20181212-PB-PCB Wipe-10]	B219250	1.00	10.0	12/14/18
18L0640-11 [20181212-PB-PCB Wipe-11]	B219250	1.00	10.0	12/14/18
18L0640-12 [20181212-PB-PCB Wipe-12]	B219250	1.00	10.0	12/14/18
18L0640-13 [20181212-PB-PCB Wipe-13]	B219250	1.00	10.0	12/14/18
18L0640-14 [20181212-PB-PCB Wipe-14]	B219250	1.00	10.0	12/14/18
18L0640-15 [20181212-PB-PCB Wipe-15]	B219250	1.00	10.0	12/14/18
18L0640-16 [20181212-PB-PCB Wipe-16]	B219250	1.00	10.0	12/14/18
18L0640-17 [20181212-PB-PCB Wipe-17]	B219250	1.00	10.0	12/14/18
18L0640-18 [20181212-PB-PCB Wipe-18]	B219250	1.00	10.0	12/14/18
18L0640-19 [20181212-PB-PCB Wipe-19]	B219250	1.00	10.0	12/14/18
18L0640-20 [20181212-PB-PCB Wipe-20]	B219250	1.00	10.0	12/14/18

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219197 - SW-846 3540C										
Blank (B219197-BLK1)				Prepared: 12/13/18 Analyzed: 12/19/18						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.92*		µg/Wipe	2.00		95.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.96*		µg/Wipe	2.00		97.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.95*		µg/Wipe	2.00		97.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.02*		µg/Wipe	2.00		101	30-150			
LCS (B219197-BS1)				Prepared: 12/13/18 Analyzed: 12/19/18						
Aroclor-1016	0.55	0.20	µg/Wipe	0.500		109	40-140			
Aroclor-1016 [2C]	0.55	0.20	µg/Wipe	0.500		110	40-140			
Aroclor-1260	0.55	0.20	µg/Wipe	0.500		110	40-140			
Aroclor-1260 [2C]	0.54	0.20	µg/Wipe	0.500		108	40-140			
Surrogate: Decachlorobiphenyl	*2.03*		µg/Wipe	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.05*		µg/Wipe	2.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	*1.97*		µg/Wipe	2.00		98.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.00*		µg/Wipe	2.00		100	30-150			
LCS Dup (B219197-BSD1)				Prepared: 12/13/18 Analyzed: 12/19/18						
Aroclor-1016	0.55	0.20	µg/Wipe	0.500		110	40-140	0.741	30	
Aroclor-1016 [2C]	0.54	0.20	µg/Wipe	0.500		108	40-140	1.91	30	
Aroclor-1260	0.55	0.20	µg/Wipe	0.500		109	40-140	0.935	30	
Aroclor-1260 [2C]	0.53	0.20	µg/Wipe	0.500		107	40-140	0.995	30	
Surrogate: Decachlorobiphenyl	*1.93*		µg/Wipe	2.00		96.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.96*		µg/Wipe	2.00		97.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.94*		µg/Wipe	2.00		97.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.99*		µg/Wipe	2.00		99.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219250 - SW-846 3540C										
Blank (B219250-BLK1)				Prepared: 12/14/18 Analyzed: 12/19/18						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*2.15*		µg/Wipe	2.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.12*		µg/Wipe	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	*1.99*		µg/Wipe	2.00		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.00*		µg/Wipe	2.00		99.9	30-150			
LCS (B219250-BS1)				Prepared: 12/14/18 Analyzed: 12/19/18						
Aroclor-1016	0.53	0.20	µg/Wipe	0.500		106	40-140			
Aroclor-1016 [2C]	0.54	0.20	µg/Wipe	0.500		108	40-140			
Aroclor-1260	0.54	0.20	µg/Wipe	0.500		109	40-140			
Aroclor-1260 [2C]	0.54	0.20	µg/Wipe	0.500		107	40-140			
Surrogate: Decachlorobiphenyl	*2.05*		µg/Wipe	2.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.07*		µg/Wipe	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*1.95*		µg/Wipe	2.00		97.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.97*		µg/Wipe	2.00		98.3	30-150			
LCS Dup (B219250-BSD1)				Prepared: 12/14/18 Analyzed: 12/19/18						
Aroclor-1016	0.52	0.20	µg/Wipe	0.500		105	40-140	0.989	30	
Aroclor-1016 [2C]	0.52	0.20	µg/Wipe	0.500		105	40-140	2.42	30	
Aroclor-1260	0.54	0.20	µg/Wipe	0.500		107	40-140	1.59	30	
Aroclor-1260 [2C]	0.53	0.20	µg/Wipe	0.500		105	40-140	2.00	30	
Surrogate: Decachlorobiphenyl	*2.07*		µg/Wipe	2.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.06*		µg/Wipe	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*1.92*		µg/Wipe	2.00		96.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.96*		µg/Wipe	2.00		97.8	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PCB Wipe-4

Lab Sample ID: 18L0640-04 Date(s) Analyzed: 12/19/2018 12/19/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.36	
	2	0.000	0.000	0.000	0.41	13.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20181212-PB-PCB Wipe-5

Lab Sample ID: 18L0640-05 Date(s) Analyzed: 12/19/2018 12/19/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.66	
	2	0.000	0.000	0.000	0.66	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B219197-BS1 Date(s) Analyzed: 12/19/2018 12/19/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.55	
	2	0.000	0.000	0.000	0.55	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.55	
	2	0.000	0.000	0.000	0.54	1.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B219197-BSD1 Date(s) Analyzed: 12/19/2018 12/19/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.55	
	2	0.000	0.000	0.000	0.54	1.8
Aroclor-1260	1	0.000	0.000	0.000	0.55	
	2	0.000	0.000	0.000	0.53	3.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B219250-BS1 Date(s) Analyzed: 12/19/2018 12/19/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.54	1.9
Aroclor-1260	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.54	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B219250-BSD1 Date(s) Analyzed: 12/19/2018 12/19/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.52	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.53	1.9

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

18L0646

JLH

PCB Wipe Sample Chain of Custody Form

Project Name: Town of Suffield Project No. 20151259.A50 Date: 12/12/18

Site Address: 50 North Main Street, Suffield, CT Building Name: Kent Memorial Library Project Manager: Helen Rimsa

	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
1	20181212-PB-PCB Wipe-01	Entry Lobby	Granite	100 SQ CM	G
2	20181212-PB-PCB Wipe-02	Entry Lobby	Granite	100 SQ CM	G
3	20181212-PB-PCB Wipe-03	Lower Level North	Metal Vent	100 SQ CM	G
4	20181212-PB-PCB Wipe-04	Lower Level South	Metal Vent	100 SQ CM	G
5	20181212-PB-PCB Wipe-05	Lower Level North	Metal Vent	100 SQ CM	G
6	20181212-PB-PCB Wipe-06	Lower Level North	Metal Vent	100 SQ CM	G
7	20181212-PB-PCB Wipe-07	Lower Level North	Wood Shelf	100 SQ CM	G
8	20181212-PB-PCB Wipe-08	Intermediate Level North	Metal Vent	100 SQ CM	G
9	20181212-PB-PCB Wipe-09	Intermediate Level North	Metal Vent	100 SQ CM	G
10	20181212-PB-PCB Wipe-10	Upper Level North	Wood Shelf	100 SQ CM	G
11	20181212-PB-PCB Wipe-11	Upper Level North	Metal Vent	100 SQ CM	G
12	20181212-PB-PCB Wipe-12	Intermediate Level Center	Wood Decorative Doll House	100 SQ CM	G
13	20181212-PB-PCB Wipe-13	Intermediate Level Center	Wood Shelf	100 SQ CM	G
14	20181212-PB-PCB Wipe-14	Upper Level South	Metal Vent	100 SQ CM	G
15	20181212-PB-PCB Wipe-15	Upper Level South	Wood Shelf	100 SQ CM	G
16	20181212-PB-PCB Wipe-16	Intermediate Level South	Metal Vent	100 SQ CM	G
17	20181212-PB-PCB Wipe-17	Intermediate Level South	Wood Shelf	100 SQ CM	G

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1810640

JCH

PCB Wipe Sample Chain of Custody Form

Project Name: Town of Suffield Project No. 20151259.A50 Date: 12/12/18

Site Address: 50 North Main Street, Suffield, CT Building Name: Kent Memorial Library Project Manager: Helen Rimsa

	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
18	20181212-PB-PCB Wipe-18	Lower Level	Metal	100 SQ CM	G
19	20181212-PB-PCB Wipe-19	Equipment Room	Vent	100 SQ CM	G
20	20181212-PB-PCB Wipe-20	Records Room	Metal Vent	100 SQ CM	G
21	20181212-PB-PCB Wipe-21	Records Room	Tower	100 SQ CM	G
22	20181212-PB-PCB Wipe-22	Auditorium	Metal Vent	100 SQ CM	G
23	20181212-PB-PCB Wipe-23	Auditorium	Metal Vent	100 SQ CM	G
24	20181212-PB-PCB Wipe-24	Intermediate Level North	Wood Shelf	100 SQ CM	G
25	20181212-PB-PCB Wipe-25-Dup	Entry Lobby	Granite Counter	100 SQ CM	G
26	20181212-PB-PCB Wipe-26-Dup	Equipment Room	Metal Vent	100 SQ CM	G
27	20181212-PB-PCB Wipe-27-Dup	Intermediate Level South	Metal Vent	100 SQ CM	G
28	20181212-PB-PCB Wipe-28	Field Blank	--	100 SQ CM	G
29	20181212-PB-PCB Wipe-29	Field Blank	--	100 SQ CM	G

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: _____ Turnaround Time: 5 day (48-Hour is Fastest)

Fax Results to the Fuss & O'Neill Laboratory at: 888-838-1160. E-Mail PDF of Results to _____@fando.com.

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: Paul Bateman/Scott Mossey **Contact Info:** _____ **Date:** 12/12/18 **Time:** 12:00

Relinquished [By][To] [Contest Labs][Helen Rimsa] **Date:** 12/13/18 **Time:** 1503

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1806640

JLH

PCB Wipe Sample Chain of Custody Form

Project Name: Town of Suffield Project No. 20151259.A50 Date: 12/12/18

Site Address: 50 North Main Street, Suffield, CT Building Name: Kent Memorial Library Project Manager: Helen Rimsa

Relinquished [By][To] [_____ **][** 3.6/9.1/2.4 HPC **] Date:** 12/13/18 **Time:** 0505

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client FTO

Received By MP Date 12/13/18 Time 15:05

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 1 Actual Temp - 3.6, 9.1, 2.4

Were samples within Temperature? 2-6°C T By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	1
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	28
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Appendix S

Wipe Sampling Laboratory Reports and Chains of Custody
1/24/19

con-test® ANALYTICAL LABORATORY
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February 4, 2019

Helen Risma
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A50
Laboratory Work Order Number: 19A1260

Enclosed are results of analyses for samples received by the laboratory on January 25, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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Table of Contents (continued)

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Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Risma

REPORT DATE: 2/4/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A50

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19A1260

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20190124-Wipe-01C	19A1260-01	Wipe	Area #1 Center Ceiling	SW-846 8082A	
20190124-Wipe-02C	19A1260-02	Wipe	Area #1 Center Ceiling	SW-846 8082A	
20190124-Wipe-03C	19A1260-03	Wipe	Area #2 Center Ceiling	SW-846 8082A	
20190124-Wipe-04C	19A1260-04	Wipe	Area #2 Center Ceiling	SW-846 8082A	
20190124-Wipe-05C	19A1260-05	Wipe	Area #3 Center Ceiling	SW-846 8082A	
20190124-Wipe-06C	19A1260-06	Wipe	Area #3 Center Ceiling	SW-846 8082A	
20190124-Wipe-07C	19A1260-07	Wipe	Area #4 Center Ceiling	SW-846 8082A	
20190124-Wipe-08C	19A1260-08	Wipe	Area #4 Center Ceiling	SW-846 8082A	
20190124-Wipe-09C	19A1260-09	Wipe	Area #5 Center Ceiling	SW-846 8082A	
20190124-Wipe-10C	19A1260-10	Wipe	Area #5 Center Ceiling	SW-846 8082A	
20190124-Wipe-11C	19A1260-11	Wipe	Area #6 Center Ceiling	SW-846 8082A	
20190124-Wipe-12C	19A1260-12	Wipe	Area #6 Center Ceiling	SW-846 8082A	
20190124-Wipe-13C	19A1260-13	Wipe	Area #6 Duplicate	SW-846 8082A	
20190124-Wipe-14C	19A1260-14	Wipe	Area # Left Ceiling	SW-846 8082A	
20190124-Wipe-15C	19A1260-15	Wipe	Area # Right Ceiling	SW-846 8082A	
20190124-Wipe-16C	19A1260-16	Wipe	Area # Center	SW-846 8082A	
20190124-Wipe-17C	19A1260-17	Wipe	Area #8 Right Half Ceiling	SW-846 8082A	
20190124-Wipe-18C	19A1260-18	Wipe	Area #9 Right Half Ceiling	SW-846 8082A	
20190124-Wipe-19C	19A1260-19	Wipe	Area #9 Left Half Ceiling	SW-846 8082A	
20190124-Wipe-20C	19A1260-20	Wipe	Area #10 Rear of Ceiling	SW-846 8082A	

con-test® ANALYTICAL LABORATORY
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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #1 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-01C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:06	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:06	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:06	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:06	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:06	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:06	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:06	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:06	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.1	30-150		2/2/19 0:06
Decachlorobiphenyl [2]	81.6	30-150		2/2/19 0:06
Tetrachloro-m-xylene [1]	86.1	30-150		2/2/19 0:06
Tetrachloro-m-xylene [2]	85.5	30-150		2/2/19 0:06

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #1 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-02C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:24	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:24	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:24	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:24	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:24	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:24	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:24	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:24	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.3	30-150		2/2/19 0:24
Decachlorobiphenyl [2]	85.0	30-150		2/2/19 0:24
Tetrachloro-m-xylene [1]	87.6	30-150		2/2/19 0:24
Tetrachloro-m-xylene [2]	86.8	30-150		2/2/19 0:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #2 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-03C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:41	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:41	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:41	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:41	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:41	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:41	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:41	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:41	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.0	30-150		2/2/19 0:41
Decachlorobiphenyl [2]	82.9	30-150		2/2/19 0:41
Tetrachloro-m-xylene [1]	85.2	30-150		2/2/19 0:41
Tetrachloro-m-xylene [2]	83.8	30-150		2/2/19 0:41

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #2 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-04C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:59	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:59	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:59	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:59	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:59	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:59	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:59	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:59	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.4	30-150		2/2/19 0:59
Decachlorobiphenyl [2]	88.1	30-150		2/2/19 0:59
Tetrachloro-m-xylene [1]	88.3	30-150		2/2/19 0:59
Tetrachloro-m-xylene [2]	87.0	30-150		2/2/19 0:59

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #3 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-05C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:17	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:17	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:17	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:17	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:17	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:17	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:17	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:17	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		2/2/19 1:17
Decachlorobiphenyl [2]	88.1	30-150		2/2/19 1:17
Tetrachloro-m-xylene [1]	89.0	30-150		2/2/19 1:17
Tetrachloro-m-xylene [2]	88.9	30-150		2/2/19 1:17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #3 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-06C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:35	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:35	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:35	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:35	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:35	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:35	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:35	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:35	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:35	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.4	30-150		2/2/19 1:35
Decachlorobiphenyl [2]	90.2	30-150		2/2/19 1:35
Tetrachloro-m-xylene [1]	89.1	30-150		2/2/19 1:35
Tetrachloro-m-xylene [2]	88.8	30-150		2/2/19 1:35

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #4 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-07C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:52	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:52	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:52	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:52	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:52	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:52	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:52	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:52	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.1	30-150		2/2/19 1:52
Decachlorobiphenyl [2]	86.0	30-150		2/2/19 1:52
Tetrachloro-m-xylene [1]	87.9	30-150		2/2/19 1:52
Tetrachloro-m-xylene [2]	87.2	30-150		2/2/19 1:52

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #4 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-08C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:08	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:08	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:08	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:08	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:08	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:08	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:08	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:08	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.7	30-150		2/2/19 2:08
Decachlorobiphenyl [2]	86.3	30-150		2/2/19 2:08
Tetrachloro-m-xylene [1]	86.2	30-150		2/2/19 2:08
Tetrachloro-m-xylene [2]	85.6	30-150		2/2/19 2:08

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #5 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-09C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:26	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:26	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:26	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:26	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:26	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:26	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:26	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:26	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.2	30-150		2/2/19 2:26
Decachlorobiphenyl [2]	82.5	30-150		2/2/19 2:26
Tetrachloro-m-xylene [1]	83.4	30-150		2/2/19 2:26
Tetrachloro-m-xylene [2]	82.9	30-150		2/2/19 2:26

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #5 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-10C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:32	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:32	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:32	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:32	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:32	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:32	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:32	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:32	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.1	30-150		2/2/19 3:32
Decachlorobiphenyl [2]	88.0	30-150		2/2/19 3:32
Tetrachloro-m-xylene [1]	90.4	30-150		2/2/19 3:32
Tetrachloro-m-xylene [2]	88.8	30-150		2/2/19 3:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #6 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-11C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:50	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:50	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:50	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:50	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:50	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:50	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:50	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:50	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.6	30-150		2/2/19 3:50
Decachlorobiphenyl [2]	82.8	30-150		2/2/19 3:50
Tetrachloro-m-xylene [1]	89.1	30-150		2/2/19 3:50
Tetrachloro-m-xylene [2]	87.4	30-150		2/2/19 3:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #6 Center Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-12C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:07	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:07	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:07	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:07	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:07	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:07	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:07	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:07	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.3	30-150		2/2/19 4:07
Decachlorobiphenyl [2]	90.2	30-150		2/2/19 4:07
Tetrachloro-m-xylene [1]	89.5	30-150		2/2/19 4:07
Tetrachloro-m-xylene [2]	88.1	30-150		2/2/19 4:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #6 Duplicate Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-13C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-13

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:25	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:25	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:25	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:25	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:25	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:25	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:25	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:25	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.4	30-150		2/2/19 4:25
Decachlorobiphenyl [2]	84.3	30-150		2/2/19 4:25
Tetrachloro-m-xylene [1]	85.3	30-150		2/2/19 4:25
Tetrachloro-m-xylene [2]	84.2	30-150		2/2/19 4:25

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area # Left Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-14C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-14

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:43	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:43	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:43	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:43	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:43	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:43	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:43	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:43	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.0	30-150		2/2/19 4:43
Decachlorobiphenyl [2]	91.1	30-150		2/2/19 4:43
Tetrachloro-m-xylene [1]	90.1	30-150		2/2/19 4:43
Tetrachloro-m-xylene [2]	88.7	30-150		2/2/19 4:43

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area # Right Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-15C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-15

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:01	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:01	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:01	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:01	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:01	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:01	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:01	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:01	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:01	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.4	30-150		2/2/19 5:01
Decachlorobiphenyl [2]	86.6	30-150		2/2/19 5:01
Tetrachloro-m-xylene [1]	86.5	30-150		2/2/19 5:01
Tetrachloro-m-xylene [2]	85.0	30-150		2/2/19 5:01

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area # Center Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-16C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-16

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:18	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:18	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:18	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:18	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:18	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:18	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:18	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:18	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:18	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.4	30-150		2/2/19 5:18
Decachlorobiphenyl [2]	86.8	30-150		2/2/19 5:18
Tetrachloro-m-xylene [1]	87.5	30-150		2/2/19 5:18
Tetrachloro-m-xylene [2]	86.8	30-150		2/2/19 5:18

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #8 Right Half Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-17C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-17

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:36	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:36	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:36	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:36	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:36	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:36	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:36	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:36	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.8	30-150		2/2/19 5:36
Decachlorobiphenyl [2]	86.6	30-150		2/2/19 5:36
Tetrachloro-m-xylene [1]	90.3	30-150		2/2/19 5:36
Tetrachloro-m-xylene [2]	90.1	30-150		2/2/19 5:36

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #9 Right Half Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-18C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-18

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:54	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:54	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:54	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:54	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:54	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:54	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:54	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:54	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 5:54	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.2	30-150		2/2/19 5:54
Decachlorobiphenyl [2]	94.5	30-150		2/2/19 5:54
Tetrachloro-m-xylene [1]	92.4	30-150		2/2/19 5:54
Tetrachloro-m-xylene [2]	91.2	30-150		2/2/19 5:54

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #9 Left Half Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-19C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-19

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:12	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:12	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:12	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:12	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:12	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:12	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:12	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:12	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		2/2/19 6:12
Decachlorobiphenyl [2]	86.4	30-150		2/2/19 6:12
Tetrachloro-m-xylene [1]	86.7	30-150		2/2/19 6:12
Tetrachloro-m-xylene [2]	84.8	30-150		2/2/19 6:12

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #10 Rear of Ceiling Work Order: 19A1260

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-20C Sampled: 1/24/2019 00:00

Sample ID: 19A1260-20

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:30	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:30	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:30	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:30	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:30	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:30	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:30	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:30	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 6:30	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.2	30-150		2/2/19 6:30
Decachlorobiphenyl [2]	82.7	30-150		2/2/19 6:30
Tetrachloro-m-xylene [1]	84.9	30-150		2/2/19 6:30
Tetrachloro-m-xylene [2]	83.5	30-150		2/2/19 6:30

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
19A1260-01 [20190124-Wipe-01C]	B222334	1.00	10.0	01/29/19
19A1260-02 [20190124-Wipe-02C]	B222334	1.00	10.0	01/29/19
19A1260-03 [20190124-Wipe-03C]	B222334	1.00	10.0	01/29/19
19A1260-04 [20190124-Wipe-04C]	B222334	1.00	10.0	01/29/19
19A1260-05 [20190124-Wipe-05C]	B222334	1.00	10.0	01/29/19
19A1260-06 [20190124-Wipe-06C]	B222334	1.00	10.0	01/29/19
19A1260-07 [20190124-Wipe-07C]	B222334	1.00	10.0	01/29/19
19A1260-08 [20190124-Wipe-08C]	B222334	1.00	10.0	01/29/19
19A1260-09 [20190124-Wipe-09C]	B222334	1.00	10.0	01/29/19
19A1260-10 [20190124-Wipe-10C]	B222334	1.00	10.0	01/29/19
19A1260-11 [20190124-Wipe-11C]	B222334	1.00	10.0	01/29/19
19A1260-12 [20190124-Wipe-12C]	B222334	1.00	10.0	01/29/19
19A1260-13 [20190124-Wipe-13C]	B222334	1.00	10.0	01/29/19
19A1260-14 [20190124-Wipe-14C]	B222334	1.00	10.0	01/29/19
19A1260-15 [20190124-Wipe-15C]	B222334	1.00	10.0	01/29/19
19A1260-16 [20190124-Wipe-16C]	B222334	1.00	10.0	01/29/19
19A1260-17 [20190124-Wipe-17C]	B222334	1.00	10.0	01/29/19
19A1260-18 [20190124-Wipe-18C]	B222334	1.00	10.0	01/29/19
19A1260-19 [20190124-Wipe-19C]	B222334	1.00	10.0	01/29/19
19A1260-20 [20190124-Wipe-20C]	B222334	1.00	10.0	01/29/19

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B222334 - SW-846 3540C										
Blank (B222334-BLK1)				Prepared: 01/29/19 Analyzed: 02/01/19						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.78*		µg/Wipe	2.00		89.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.75*		µg/Wipe	2.00		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.75*		µg/Wipe	2.00		87.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.74*		µg/Wipe	2.00		86.8	30-150			
LCS (B222334-BS1)				Prepared: 01/29/19 Analyzed: 02/01/19						
Aroclor-1016	0.52	0.20	µg/Wipe	0.500		104	40-140			
Aroclor-1016 [2C]	0.50	0.20	µg/Wipe	0.500		99.5	40-140			
Aroclor-1260	0.44	0.20	µg/Wipe	0.500		88.6	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/Wipe	0.500		88.8	40-140			
Surrogate: Decachlorobiphenyl	*1.68*		µg/Wipe	2.00		83.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.65*		µg/Wipe	2.00		82.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.65*		µg/Wipe	2.00		82.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.65*		µg/Wipe	2.00		82.4	30-150			
LCS Dup (B222334-BSD1)				Prepared: 01/29/19 Analyzed: 02/01/19						
Aroclor-1016	0.53	0.20	µg/Wipe	0.500		106	40-140	1.85	30	
Aroclor-1016 [2C]	0.52	0.20	µg/Wipe	0.500		104	40-140	4.64	30	
Aroclor-1260	0.46	0.20	µg/Wipe	0.500		91.4	40-140	3.16	30	
Aroclor-1260 [2C]	0.46	0.20	µg/Wipe	0.500		91.3	40-140	2.78	30	
Surrogate: Decachlorobiphenyl	*1.75*		µg/Wipe	2.00		87.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.72*		µg/Wipe	2.00		86.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.72*		µg/Wipe	2.00		85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.69*		µg/Wipe	2.00		84.6	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B222334-BS1 Date(s) Analyzed: 02/01/2019 02/01/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.50	3.9
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.44	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B222334-BSD1 Date(s) Analyzed: 02/01/2019 02/01/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.52	1.9
Aroclor-1260	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.46	0.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040

19A1260

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PCB Wipe Sample Chain of Custody Form

Project Name: Kent Memorial Library Project No. 20151259.A50 Date: 1/24/19

Site Address: 50 North Main Street, Suffield CT Building Name/Number: Suffield Library Project Manager: Helen Rimsa

	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
1	20190124-Wipe-01C	AREA #1 Center Ceiling	Concrete Ceiling	100 cm2	
2	20190124-Wipe-02C	#1 Center Ceiling			
3	20190124-Wipe-03C	#2 Center Ceiling			
4	20190124-Wipe-04C	#2 Center Ceiling			
5	20190124-Wipe-05C	#3 Center Ceiling			
6	20190124-Wipe-06C	#3 Center Ceiling			
7	20190124-Wipe-07C	#4			
8	20190124-Wipe-08C	#4			
9	20190124-Wipe-09C	#5			
10	20190124-Wipe-10C	#5			
11	20190124-Wipe-11C	#6			
12	20190124-Wipe-12C	#6			
13	20190124-Wipe-13C	#6 DUPLICATE			
14	20190124-Wipe-14C	# Left Ceiling			
15	20190124-Wipe-15C	# Right "			
16	20190124-Wipe-16C	#1 Center			

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1GA1260

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	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
17	20190124-Wipe-17 C	AREA #8 RIGH half Ceiling	Concrete Ceiling	100 cm2	
18	20190124-Wipe-18 C	#9 RIGH half Ceiling			
19	20190124-Wipe-19 C	#9 Loft half "			
20	20190124-Wipe-20 C	#10 REAR of Ceiling			
	20190124-Wipe-21 C	#10 FRONT of Ceiling			
	20190124-Wipe-22 C	#11 Ceiling Near EXIT DOORS			
	20190124-Wipe-23 C	#11 Center Ceiling			
D	20190124-Wipe-24 C	#11 Center Ceiling	DUPLICATE		
	20190124-Wipe-25 C	#12 Ceiling Left			
	20190124-Wipe-26 C	#12 " RIGHT			
	20190124-Wipe-27 W	#1 B Wall Center	Concrete Wall		
	20190124-Wipe-28 W	#1 B Wall Corner			
	20190124-Wipe-29 W	#2 B Wall Left	Brick		
	20190124-Wipe-30 W	#2 D Wall RIGHT	BRICK		
	20190124-Wipe-31 W	#3 C wall Center	Concrete Wall		
	20190124-Wipe-32 W	#3 ~~A~~ Wall Center			
	20190124-Wipe-33 W S	#3 A Wall Corner	Granite Window Sill 335		
	20190124-Wipe-34 W	#4 B Wall Center	Concrete Wall		
	20190124-Wipe-35 W	#4 C Wall Center			
	20190124-Wipe-36 W	#4 DUPLICATE			

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Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
20190124-Wipe-37 W	AREA # 6 B Wall Corner		100 CM²	
20190124-Wipe-38 W	# 6 C Wall Center RT			
20190124-Wipe-39 W	# 7 B Wall Corner			
20190124-Wipe-40 W	# 7 D Wall Corner			
20190124-Wipe-41 W	# 7 DUPLICATE	(DUPLICATE)		
20190124-Wipe-42 W	# 8 D WALL Center RT			
20190124-Wipe-43 W	# 8 A WALL Center			
20190124-Wipe-44 W	# 5 D Wall Center Left			
20190124-Wipe-45 W	# 5 D Wall Center RT			
20190124-Wipe-46 W	# 5 DUPLICATE	(DUPLICATE)		
20190124-Wipe-47 W	# 9 B Wall Center			
20190124-Wipe-48 W	# 9 D Wall NEAR SPIRAL Stairs			
20190124-Wipe-49 W	# 10 A Wall Left Center			
20190124-Wipe-50 W	# 10 B Wall RT Center			
20190124-Wipe-51 W	# BLANK	N/A	N/A	
20190124-Wipe-52 W	# 11 B Wall RT Corner			
20190124-Wipe-53 W	# 11 B Wall Left			
20190124-Wipe-54 W	# 11 BLANK	N/A	N/A	
20190124-Wipe-55 W	# 12 B Wall Corner			
20190124-Wipe-56 W	# 12 C wall Center			

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19A1260

Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
20190124-Wipe-57 WB	BLANK	N/A	N/A	

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: Contest Turnaround Time: 5 days

Fax Results to the Laboratory at: 888-838-1160. E-Mail PDF of Results to hrimsa@fando.com and kredfield@fando.com

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps. LOD <0.1 µg/100 cm²

Samples Collected By: A. Malat **Contact Info:** aMalat@Fando.com **Date:** 1-24-19 **Time:** 0945-1500

Relinquished [By][To] [A. Malat][F&O Field Sample FRIG **] Date:** 1-24-19 **Time:** 1830

Relinquished [By][To] [Karen Redfield][Joe Ecb **] Date:** 1/25/19 **Time:** 0822

Relinquished [By][To] [Joe Ecb][2.6 **] Date:** 1/25/19 **Time:** 1310

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fusi + O'neill

Received By RAP Date 1/25/19 Time 1310

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____ Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.6 By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	20
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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February 4, 2019

Helen Risma
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A50
Laboratory Work Order Number: 19A1261

Enclosed are results of analyses for samples received by the laboratory on January 25, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Risma

REPORT DATE: 2/4/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A50

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19A1261

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20190124-Wipe-21C	19A1261-01	Wipe	Area #10 Front of Ceiling	SW-846 8082A	
20190124-Wipe-22C	19A1261-02	Wipe	Area #11 Ceiling Near Exit Doors	SW-846 8082A	
20190124-Wipe-23C	19A1261-03	Wipe	Area #11 Center Ceiling	SW-846 8082A	
D 20190124-Wipe-24C	19A1261-04	Wipe	Area #11 Center Ceiling (duplicate)	SW-846 8082A	
20190124-Wipe-25C	19A1261-05	Wipe	Area #12 Ceiling Left	SW-846 8082A	
20190124-Wipe-26C	19A1261-06	Wipe	Area #12 Ceiling Right	SW-846 8082A	
20190124-Wipe-27W	19A1261-07	Wipe	Area #1 B Wall Center	SW-846 8082A	
20190124-Wipe-28W	19A1261-08	Wipe	Area #1 B Wall Corner	SW-846 8082A	
20190124-Wipe-29W	19A1261-09	Wipe	Area #2 B Wall Left	SW-846 8082A	
20190124-Wipe-30W	19A1261-10	Wipe	Area #2 D Wall Right	SW-846 8082A	
20190124-Wipe-31W	19A1261-11	Wipe	Area #3 C Wall Center	SW-846 8082A	
20190124-Wipe-32W	19A1261-12	Wipe	Area #3 A Wall Center	SW-846 8082A	
20190124-Wipe-33S	19A1261-13	Wipe	Area #3 A Wall Corner	SW-846 8082A	
20190124-Wipe-34W	19A1261-14	Wipe	Area #4 B Wall Center	SW-846 8082A	
20190124-Wipe-35W	19A1261-15	Wipe	Area #4 C Wall Center	SW-846 8082A	
20190124-Wipe-36W	19A1261-16	Wipe	Area #4 Duplicate	SW-846 8082A	
20190124-Wipe-37W	19A1261-17	Wipe	Area #6 B Wall Corner	SW-846 8082A	
20190124-Wipe-38W	19A1261-18	Wipe	Area #6 C Wall Center RT	SW-846 8082A	
20190124-Wipe-39W	19A1261-19	Wipe	Area #7 B Wall Corner	SW-846 8082A	
20190124-Wipe-40W	19A1261-20	Wipe	Area #7 D Wall Corner	SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #10 Front of Ceiling Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-21C Sampled: 1/24/2019 00:00

Sample ID: 19A1261-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 21:54	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 21:54	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 21:54	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 21:54	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 21:54	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 21:54	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 21:54	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 21:54	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 21:54	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.9	30-150		2/1/19 21:54
Decachlorobiphenyl [2]	84.3	30-150		2/1/19 21:54
Tetrachloro-m-xylene [1]	81.3	30-150		2/1/19 21:54
Tetrachloro-m-xylene [2]	85.0	30-150		2/1/19 21:54

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #11 Ceiling Near Exit Doors Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-22C Sampled: 1/24/2019 00:00

Sample ID: 19A1261-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:11	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:11	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:11	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:11	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:11	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:11	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:11	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:11	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:11	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.0	30-150		2/1/19 22:11
Decachlorobiphenyl [2]	95.3	30-150		2/1/19 22:11
Tetrachloro-m-xylene [1]	79.4	30-150		2/1/19 22:11
Tetrachloro-m-xylene [2]	82.0	30-150		2/1/19 22:11

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #11 Center Ceiling Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-23C Sampled: 1/24/2019 00:00

Sample ID: 19A1261-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:29	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:29	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:29	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:29	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:29	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:29	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:29	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:29	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.0	30-150		2/1/19 22:29
Decachlorobiphenyl [2]	92.8	30-150		2/1/19 22:29
Tetrachloro-m-xylene [1]	84.9	30-150		2/1/19 22:29
Tetrachloro-m-xylene [2]	87.3	30-150		2/1/19 22:29

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #11 Center Ceiling (duplicate) Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: D 20190124-Wipe-24C Sampled: 1/24/2019 00:00

Sample ID: 19A1261-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:46	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:46	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:46	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:46	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:46	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:46	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:46	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:46	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 22:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.4	30-150		2/1/19 22:46
Decachlorobiphenyl [2]	80.3	30-150		2/1/19 22:46
Tetrachloro-m-xylene [1]	72.3	30-150		2/1/19 22:46
Tetrachloro-m-xylene [2]	75.0	30-150		2/1/19 22:46

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #12 Ceiling Left Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-25C Sampled: 1/24/2019 00:00

Sample ID: 19A1261-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:05	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:05	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:05	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:05	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:05	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:05	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:05	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:05	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.4	30-150		2/1/19 23:05
Decachlorobiphenyl [2]	101	30-150		2/1/19 23:05
Tetrachloro-m-xylene [1]	91.1	30-150		2/1/19 23:05
Tetrachloro-m-xylene [2]	93.9	30-150		2/1/19 23:05

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #12 Ceiling Right Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-26C Sampled: 1/24/2019 00:00

Sample ID: 19A1261-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:23	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:23	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:23	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:23	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:23	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:23	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:23	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:23	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		2/1/19 23:23
Decachlorobiphenyl [2]	94.1	30-150		2/1/19 23:23
Tetrachloro-m-xylene [1]	87.7	30-150		2/1/19 23:23
Tetrachloro-m-xylene [2]	90.7	30-150		2/1/19 23:23

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #1 B Wall Center Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-27W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:41	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:41	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:41	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:41	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:41	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:41	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:41	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:41	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.1	30-150		2/1/19 23:41
Decachlorobiphenyl [2]	99.5	30-150		2/1/19 23:41
Tetrachloro-m-xylene [1]	88.2	30-150		2/1/19 23:41
Tetrachloro-m-xylene [2]	90.3	30-150		2/1/19 23:41

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #1 B Wall Corner Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-28W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:59	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:59	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:59	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:59	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:59	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:59	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:59	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:59	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 23:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.2	30-150		2/1/19 23:59
Decachlorobiphenyl [2]	95.4	30-150		2/1/19 23:59
Tetrachloro-m-xylene [1]	86.5	30-150		2/1/19 23:59
Tetrachloro-m-xylene [2]	89.3	30-150		2/1/19 23:59

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #2 B Wall Left Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-29W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:16	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:16	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:16	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:16	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:16	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:16	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:16	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:16	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 0:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.6	30-150		2/2/19 0:16
Decachlorobiphenyl [2]	96.6	30-150		2/2/19 0:16
Tetrachloro-m-xylene [1]	89.3	30-150		2/2/19 0:16
Tetrachloro-m-xylene [2]	92.4	30-150		2/2/19 0:16

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #2 D Wall Right Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-30W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:22	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:22	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:22	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:22	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:22	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:22	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:22	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:22	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	67.5	30-150		2/2/19 1:22
Decachlorobiphenyl [2]	72.4	30-150		2/2/19 1:22
Tetrachloro-m-xylene [1]	75.8	30-150		2/2/19 1:22
Tetrachloro-m-xylene [2]	78.9	30-150		2/2/19 1:22

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #3 C Wall Center Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-31W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:40	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:40	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:40	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:40	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:40	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:40	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:40	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:40	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.5	30-150		2/2/19 1:40
Decachlorobiphenyl [2]	91.2	30-150		2/2/19 1:40
Tetrachloro-m-xylene [1]	82.4	30-150		2/2/19 1:40
Tetrachloro-m-xylene [2]	86.0	30-150		2/2/19 1:40

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #3 A Wall Center Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-32W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:58	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:58	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:58	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:58	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:58	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:58	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:58	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:58	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 1:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.0	30-150		2/2/19 1:58
Decachlorobiphenyl [2]	83.3	30-150		2/2/19 1:58
Tetrachloro-m-xylene [1]	82.4	30-150		2/2/19 1:58
Tetrachloro-m-xylene [2]	86.4	30-150		2/2/19 1:58

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #3 A Wall Corner Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-33S Sampled: 1/24/2019 00:00

Sample ID: 19A1261-13

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.0	µg/Wipe	20		SW-846 8082A	1/29/19	2/2/19 8:39	JMB
Aroclor-1221 [1]	ND	4.0	µg/Wipe	20		SW-846 8082A	1/29/19	2/2/19 8:39	JMB
Aroclor-1232 [1]	ND	4.0	µg/Wipe	20		SW-846 8082A	1/29/19	2/2/19 8:39	JMB
Aroclor-1242 [1]	ND	4.0	µg/Wipe	20		SW-846 8082A	1/29/19	2/2/19 8:39	JMB
Aroclor-1248 [1]	ND	4.0	µg/Wipe	20		SW-846 8082A	1/29/19	2/2/19 8:39	JMB
Aroclor-1254 [1]	22	4.0	µg/Wipe	20		SW-846 8082A	1/29/19	2/2/19 8:39	JMB
Aroclor-1260 [1]	ND	4.0	µg/Wipe	20		SW-846 8082A	1/29/19	2/2/19 8:39	JMB
Aroclor-1262 [1]	ND	4.0	µg/Wipe	20		SW-846 8082A	1/29/19	2/2/19 8:39	JMB
Aroclor-1268 [1]	ND	4.0	µg/Wipe	20		SW-846 8082A	1/29/19	2/2/19 8:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.7	30-150		2/2/19 8:39
Decachlorobiphenyl [2]	102	30-150		2/2/19 8:39
Tetrachloro-m-xylene [1]	101	30-150		2/2/19 8:39
Tetrachloro-m-xylene [2]	100	30-150		2/2/19 8:39

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #4 B Wall Center Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-34W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-14

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:33	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:33	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:33	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:33	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:33	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:33	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:33	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:33	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.0	30-150		2/2/19 2:33
Decachlorobiphenyl [2]	81.1	30-150		2/2/19 2:33
Tetrachloro-m-xylene [1]	79.2	30-150		2/2/19 2:33
Tetrachloro-m-xylene [2]	81.6	30-150		2/2/19 2:33

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #4 C Wall Center Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-35W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-15

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:51	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:51	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:51	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:51	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:51	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:51	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:51	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:51	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 2:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.1	30-150		2/2/19 2:51
Decachlorobiphenyl [2]	84.2	30-150		2/2/19 2:51
Tetrachloro-m-xylene [1]	78.3	30-150		2/2/19 2:51
Tetrachloro-m-xylene [2]	82.3	30-150		2/2/19 2:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #4 Duplicate Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-36W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-16

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:08	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:08	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:08	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:08	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:08	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:08	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:08	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:08	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.0	30-150		2/2/19 3:08
Decachlorobiphenyl [2]	94.0	30-150		2/2/19 3:08
Tetrachloro-m-xylene [1]	87.4	30-150		2/2/19 3:08
Tetrachloro-m-xylene [2]	90.8	30-150		2/2/19 3:08

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #6 B Wall Corner Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-37W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-17

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:26	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:26	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:26	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:26	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:26	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:26	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:26	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:26	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.4	30-150		2/2/19 3:26
Decachlorobiphenyl [2]	108	30-150		2/2/19 3:26
Tetrachloro-m-xylene [1]	95.0	30-150		2/2/19 3:26
Tetrachloro-m-xylene [2]	98.8	30-150		2/2/19 3:26

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #6 C Wall Center RT Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-38W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-18

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:44	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:44	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:44	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:44	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:44	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:44	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:44	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:44	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 3:44	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.2	30-150		2/2/19 3:44
Decachlorobiphenyl [2]	106	30-150		2/2/19 3:44
Tetrachloro-m-xylene [1]	91.5	30-150		2/2/19 3:44
Tetrachloro-m-xylene [2]	95.5	30-150		2/2/19 3:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #7 B Wall Corner Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-39W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-19

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:02	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:02	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:02	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:02	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:02	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:02	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:02	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:02	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:02	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.1	30-150		2/2/19 4:02
Decachlorobiphenyl [2]	102	30-150		2/2/19 4:02
Tetrachloro-m-xylene [1]	90.6	30-150		2/2/19 4:02
Tetrachloro-m-xylene [2]	94.7	30-150		2/2/19 4:02

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #7 D Wall Corner Work Order: 19A1261

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-40W Sampled: 1/24/2019 00:00

Sample ID: 19A1261-20

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:19	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:19	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:19	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:19	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:19	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:19	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:19	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:19	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/2/19 4:19	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.6	30-150		2/2/19 4:19
Decachlorobiphenyl [2]	102	30-150		2/2/19 4:19
Tetrachloro-m-xylene [1]	91.0	30-150		2/2/19 4:19
Tetrachloro-m-xylene [2]	95.8	30-150		2/2/19 4:19

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
19A1261-01 [20190124-Wipe-21C]	B222307	1.00	10.0	01/29/19
19A1261-02 [20190124-Wipe-22C]	B222307	1.00	10.0	01/29/19
19A1261-03 [20190124-Wipe-23C]	B222307	1.00	10.0	01/29/19
19A1261-04 [D 20190124-Wipe-24C]	B222307	1.00	10.0	01/29/19
19A1261-05 [20190124-Wipe-25C]	B222307	1.00	10.0	01/29/19
19A1261-06 [20190124-Wipe-26C]	B222307	1.00	10.0	01/29/19
19A1261-07 [20190124-Wipe-27W]	B222307	1.00	10.0	01/29/19
19A1261-08 [20190124-Wipe-28W]	B222307	1.00	10.0	01/29/19
19A1261-09 [20190124-Wipe-29W]	B222307	1.00	10.0	01/29/19
19A1261-10 [20190124-Wipe-30W]	B222307	1.00	10.0	01/29/19
19A1261-11 [20190124-Wipe-31W]	B222307	1.00	10.0	01/29/19
19A1261-12 [20190124-Wipe-32W]	B222307	1.00	10.0	01/29/19
19A1261-13 [20190124-Wipe-33S]	B222307	1.00	10.0	01/29/19
19A1261-14 [20190124-Wipe-34W]	B222307	1.00	10.0	01/29/19
19A1261-15 [20190124-Wipe-35W]	B222307	1.00	10.0	01/29/19
19A1261-16 [20190124-Wipe-36W]	B222307	1.00	10.0	01/29/19
19A1261-17 [20190124-Wipe-37W]	B222307	1.00	10.0	01/29/19
19A1261-18 [20190124-Wipe-38W]	B222307	1.00	10.0	01/29/19
19A1261-19 [20190124-Wipe-39W]	B222307	1.00	10.0	01/29/19
19A1261-20 [20190124-Wipe-40W]	B222307	1.00	10.0	01/29/19

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B222307 - SW-846 3540C										
Blank (B222307-BLK1)				Prepared: 01/29/19 Analyzed: 02/01/19						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.92*		µg/Wipe	2.00		96.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.02*		µg/Wipe	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*1.84*		µg/Wipe	2.00		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.89*		µg/Wipe	2.00		94.5	30-150			
LCS (B222307-BS1)				Prepared: 01/29/19 Analyzed: 02/01/19						
Aroclor-1016	0.55	0.20	µg/Wipe	0.500		111	40-140			
Aroclor-1016 [2C]	0.52	0.20	µg/Wipe	0.500		104	40-140			
Aroclor-1260	0.47	0.20	µg/Wipe	0.500		93.9	40-140			
Aroclor-1260 [2C]	0.52	0.20	µg/Wipe	0.500		103	40-140			
Surrogate: Decachlorobiphenyl	*1.90*		µg/Wipe	2.00		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.02*		µg/Wipe	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/Wipe	2.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.84*		µg/Wipe	2.00		92.0	30-150			
LCS Dup (B222307-BSD1)				Prepared: 01/29/19 Analyzed: 02/01/19						
Aroclor-1016	0.53	0.20	µg/Wipe	0.500		107	40-140	3.65	30	
Aroclor-1016 [2C]	0.59	0.20	µg/Wipe	0.500		117	40-140	11.7	30	
Aroclor-1260	0.46	0.20	µg/Wipe	0.500		91.8	40-140	2.26	30	
Aroclor-1260 [2C]	0.48	0.20	µg/Wipe	0.500		95.6	40-140	7.48	30	
Surrogate: Decachlorobiphenyl	*1.82*		µg/Wipe	2.00		91.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.93*		µg/Wipe	2.00		96.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.78*		µg/Wipe	2.00		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.82*		µg/Wipe	2.00		91.1	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20190124-Wipe-33S

Lab Sample ID: 19A1261-13 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	22	
	2	0.000	0.000	0.000	22	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B222307-BS1 Date(s) Analyzed: 02/01/2019 02/01/2019

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.55	
	2	0.000	0.000	0.000	0.52	5.6
Aroclor-1260	1	0.000	0.000	0.000	0.47	
	2	0.000	0.000	0.000	0.52	10.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B222307-BSD1 Date(s) Analyzed: 02/01/2019 02/01/2019

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.59	10.7
Aroclor-1260	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.48	4.3

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

19A1261

PCB Wipe Sample Chain of Custody Form

Project Name: Kent Memorial Library Project No. 20151259.A50 Date: 1/24/19

Site Address: 50 North Main Street, Suffield CT Building Name/Number: Suffield Library Project Manager: Helen Rimsa

Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
20190124-Wipe-01C	AREA #1 Center Ceiling	Concrete Ceiling	100/cm2	
20190124-Wipe-02C	#1 Center Ceiling			
20190124-Wipe-03C	#2 Center Ceiling			
20190124-Wipe-04C	#2 Center Ceiling			
20190124-Wipe-05C	#3 Center Ceiling			
20190124-Wipe-06C	#3 Center Ceiling			
20190124-Wipe-07C	#4			
20190124-Wipe-08C	#4			
20190124-Wipe-09C	#5			
20190124-Wipe-10C	#5			
20190124-Wipe-11C	#6			
20190124-Wipe-12C	#6			
20190124-Wipe-13C	#6 DUPLICATE			
20190124-Wipe-14C	# Left Ceiling			
20190124-Wipe-15C	# Right "			
20190124-Wipe-16C	#1 Center			

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19A126.1

	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
	20190124-Wipe-17 C	AREA #8 RIGH half Ceiling	Concrete Ceiling	100 cm²	
	20190124-Wipe-18 C	#9 RIGH half Ceiling			
	20190124-Wipe-19 C	#9 Loft half "			
	20190124-Wipe-20 C	#10 REAR of Ceiling			
1	20190124-Wipe-21 C	#10 FRONT of Ceiling			
2	20190124-Wipe-22 C	#11 Ceiling Near EXIT DOORS			
3	20190124-Wipe-23 C	#11 Center Ceiling			
4	D 20190124-Wipe-24 C	#11 Center Ceiling	(DUPLICATE)		
5	20190124-Wipe-25 C	#12 Ceiling Loft			
6	20190124-Wipe-26 C	#12 " RIGHT			
7	20190124-Wipe-27 W	#1 B Wall Center	Concrete Wall		
8	20190124-Wipe-28 W	#1 B Wall Corner			
9	20190124-Wipe-29 W	#2 B Wall Loft	Brick		
10	20190124-Wipe-30 W	#2 D Wall RIGHT	BRICK		
11	20190124-Wipe-31 W	#3 C wall Center	Concrete Wall		
12	20190124-Wipe-32 W	#3 ~~A~~ Wall Center			
13	20190124-Wipe-33 W (S)	#3 A Wall Corner	Granite Window sill (335)		
14	20190124-Wipe-34 W	#4 B wall Center	Concrete Wall		
15	20190124-Wipe-35 W	#4 C Wall Center			
16	20190124-Wipe-36 W	#4 DUPLICATE			

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	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
17	20190124-Wipe-37 W	AREA # 6 B Wall Corner		100 CM2	
18	20190124-Wipe-38 W	# 6 C Wall Center RT			
19	20190124-Wipe-39 W	# 7 B Wall Corner			
20	20190124-Wipe-40 W	# 7 D Wall Corner			
	20190124-Wipe-41 W	# 7 DUPLICATE	(DUPLICATE)		
	20190124-Wipe-42 W	# 8 D WALL Center RT			
	20190124-Wipe-43 W	# 8 A WALL Center			
	20190124-Wipe-44 W	# 5 D Wall Center Left			
	20190124-Wipe-45 W	# 5 D Wall Center RT			
	20190124-Wipe-46 W	# 5 DUPLICATE	(DUPLICATE)		
	20190124-Wipe-47 W	# 9 B Wall Center			
	20190124-Wipe-48 W	# 9 D Wall NEAR SPIRAL Stairs			
	20190124-Wipe-49 W	# 10 A Wall Left Center			
	20190124-Wipe-50 W	# 10 B Wall RT Center			
	20190124-Wipe-51 W	# BLANK	N/A	N/A	
	20190124-Wipe-52 W	# 11 B Wall RT Corner			
	20190124-Wipe-53 W	# 11 B Wall Left			
	20190124-Wipe-54 W	# 11. BLANK	N/A	N/A	
	20190124-Wipe-55 W	# 12 B Wall Corner			
	20190124-Wipe-56 W	# 12 C wall Center			

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1GA1261

Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
20190124-Wipe-57 WB	BLANK	N/A	N/A	

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: Contest Turnaround Time: 5 days

Fax Results to the Laboratory at: 888-838-1160. E-Mail PDF of Results to hrimsa@fando.com and kredfield@fando.com

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps. LOD <0.1 µg/100 cm²

Samples Collected By: A. Malat **Contact Info:** AMalat@Fando.com **Date:** 1-24-19 **Time:** 0945-1500

Relinquished [By][To] [A. Malat **]** [** F&O Field Sample FRIG **]** **Date:** 1-24-19 **Time:** 1830

Relinquished [By][To] [Karen Redfield **]** [** Joe Zulo **]** **Date:** 1/25/19 **Time:** 0822

Relinquished [By][To] [Joe Zulo **]** [** 2.6 **]** **Date:** 1/25/19 **Time:** 1310

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fusi + O'neill

Received By RAP Date 1/25/19 Time 1310

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.6 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	20
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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February 4, 2019

Helen Risma
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A50
Laboratory Work Order Number: 19A1262

Enclosed are results of analyses for samples received by the laboratory on January 25, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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Table of Contents (continued)

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Risma

REPORT DATE: 2/4/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A50

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19A1262

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20190124-Wipe-41W	19A1262-01	Wipe	Area #7 Duplicate	SW-846 8082A	
20190124-Wipe-42W	19A1262-02	Wipe	Area #8 D Wall Center RT	SW-846 8082A	
20190124-Wipe-43W	19A1262-03	Wipe	Area #8 A Wall Center	SW-846 8082A	
20190124-Wipe-44W	19A1262-04	Wipe	Area #5 D Wall Center Left	SW-846 8082A	
20190124-Wipe-45W	19A1262-05	Wipe	Area #5 D Wall Center RT	SW-846 8082A	
20190124-Wipe-46W	19A1262-06	Wipe	Area #5 Duplicate	SW-846 8082A	
20190124-Wipe-47W	19A1262-07	Wipe	Area #9 B Wall Center	SW-846 8082A	
20190124-Wipe-48W	19A1262-08	Wipe	Area #9 D Wall Near Spiral Stairs	SW-846 8082A	
20190124-Wipe-49W	19A1262-09	Wipe	Area #10 A Wall Left Center	SW-846 8082A	
20190124-Wipe-50W	19A1262-10	Wipe	Area #10 B Wall RT Center	SW-846 8082A	
20190124-Wipe-51W	19A1262-11	Wipe	Area # Blank	SW-846 8082A	
20190124-Wipe-52W	19A1262-12	Wipe	Area #11 B Wall RT Corner	SW-846 8082A	
20190124-Wipe-53W	19A1262-13	Wipe	Area #11 B Wall Left Corner	SW-846 8082A	
20190124-Wipe-54W	19A1262-14	Wipe	Area #11 Blank	SW-846 8082A	
20190124-Wipe-55W	19A1262-15	Wipe	Area #12 B Wall Corner	SW-846 8082A	
20190124-Wipe-56W	19A1262-16	Wipe	Area #12 C Wall Center	SW-846 8082A	
20190124-Wipe-57B	19A1262-17	Wipe	Blank	SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #7 Duplicate Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-41W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 13:57	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 13:57	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 13:57	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 13:57	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 13:57	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 13:57	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 13:57	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 13:57	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 13:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.9	30-150		2/1/19 13:57
Decachlorobiphenyl [2]	83.1	30-150		2/1/19 13:57
Tetrachloro-m-xylene [1]	86.9	30-150		2/1/19 13:57
Tetrachloro-m-xylene [2]	86.5	30-150		2/1/19 13:57

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #8 D Wall Center RT Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-42W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:15	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:15	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:15	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:15	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:15	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:15	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:15	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:15	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		2/1/19 14:15
Decachlorobiphenyl [2]	88.8	30-150		2/1/19 14:15
Tetrachloro-m-xylene [1]	87.5	30-150		2/1/19 14:15
Tetrachloro-m-xylene [2]	87.8	30-150		2/1/19 14:15

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #8 A Wall Center Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-43W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:34	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:34	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:34	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:34	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:34	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:34	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:34	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:34	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.5	30-150		2/1/19 14:34
Decachlorobiphenyl [2]	89.4	30-150		2/1/19 14:34
Tetrachloro-m-xylene [1]	87.2	30-150		2/1/19 14:34
Tetrachloro-m-xylene [2]	87.4	30-150		2/1/19 14:34

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #5 D Wall Center Left Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-44W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:51	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:51	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:51	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:51	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:51	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:51	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:51	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:51	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 14:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.4	30-150		2/1/19 14:51
Decachlorobiphenyl [2]	85.8	30-150		2/1/19 14:51
Tetrachloro-m-xylene [1]	85.0	30-150		2/1/19 14:51
Tetrachloro-m-xylene [2]	84.2	30-150		2/1/19 14:51

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #5 D Wall Center RT Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-45W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:09	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:09	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:09	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:09	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:09	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:09	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:09	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:09	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.9	30-150		2/1/19 15:09
Decachlorobiphenyl [2]	81.6	30-150		2/1/19 15:09
Tetrachloro-m-xylene [1]	84.4	30-150		2/1/19 15:09
Tetrachloro-m-xylene [2]	84.0	30-150		2/1/19 15:09

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #5 Duplicate Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-46W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:27	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:27	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:27	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:27	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:27	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:27	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:27	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:27	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.6	30-150		2/1/19 15:27
Decachlorobiphenyl [2]	82.2	30-150		2/1/19 15:27
Tetrachloro-m-xylene [1]	83.9	30-150		2/1/19 15:27
Tetrachloro-m-xylene [2]	83.7	30-150		2/1/19 15:27

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #9 B Wall Center Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-47W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:45	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:45	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:45	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:45	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:45	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:45	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:45	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:45	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 15:45	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.1	30-150		2/1/19 15:45
Decachlorobiphenyl [2]	80.8	30-150		2/1/19 15:45
Tetrachloro-m-xylene [1]	80.4	30-150		2/1/19 15:45
Tetrachloro-m-xylene [2]	79.8	30-150		2/1/19 15:45

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #9 D Wall Near Spiral Stairs Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-48W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:03	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:03	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:03	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:03	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:03	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:03	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:03	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:03	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.6	30-150		2/1/19 16:03
Decachlorobiphenyl [2]	83.4	30-150		2/1/19 16:03
Tetrachloro-m-xylene [1]	83.4	30-150		2/1/19 16:03
Tetrachloro-m-xylene [2]	82.9	30-150		2/1/19 16:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #10 A Wall Left Center Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-49W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:20	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:20	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:20	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:20	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:20	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:20	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:20	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:20	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.4	30-150		2/1/19 16:20
Decachlorobiphenyl [2]	83.3	30-150		2/1/19 16:20
Tetrachloro-m-xylene [1]	81.5	30-150		2/1/19 16:20
Tetrachloro-m-xylene [2]	81.1	30-150		2/1/19 16:20

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #10 B Wall RT Center Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-50W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:38	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:38	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:38	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:38	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:38	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:38	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:38	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:38	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:38	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.5	30-150		2/1/19 16:38
Decachlorobiphenyl [2]	76.1	30-150		2/1/19 16:38
Tetrachloro-m-xylene [1]	85.5	30-150		2/1/19 16:38
Tetrachloro-m-xylene [2]	85.0	30-150		2/1/19 16:38

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area # Blank Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-51W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:56	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:56	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:56	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:56	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:56	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:56	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:56	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:56	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 16:56	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.9	30-150		2/1/19 16:56
Decachlorobiphenyl [2]	86.7	30-150		2/1/19 16:56
Tetrachloro-m-xylene [1]	88.5	30-150		2/1/19 16:56
Tetrachloro-m-xylene [2]	87.5	30-150		2/1/19 16:56

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #11 B Wall RT Corner Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-52W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:13	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:13	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:13	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:13	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:13	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:13	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:13	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:13	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:13	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.8	30-150		2/1/19 17:13
Decachlorobiphenyl [2]	90.0	30-150		2/1/19 17:13
Tetrachloro-m-xylene [1]	90.3	30-150		2/1/19 17:13
Tetrachloro-m-xylene [2]	89.1	30-150		2/1/19 17:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #11 B Wall Left Corner Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-53W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-13

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:31	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:31	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:31	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:31	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:31	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:31	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:31	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:31	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.2	30-150		2/1/19 17:31
Decachlorobiphenyl [2]	86.1	30-150		2/1/19 17:31
Tetrachloro-m-xylene [1]	86.2	30-150		2/1/19 17:31
Tetrachloro-m-xylene [2]	85.5	30-150		2/1/19 17:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Area #11 Blank Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-54W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-14

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:49	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:49	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:49	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:49	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:49	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:49	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:49	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:49	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 17:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.5	30-150		2/1/19 17:49
Decachlorobiphenyl [2]	83.5	30-150		2/1/19 17:49
Tetrachloro-m-xylene [1]	84.9	30-150		2/1/19 17:49
Tetrachloro-m-xylene [2]	84.6	30-150		2/1/19 17:49

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #12 B Wall Corner Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-55W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-15

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:06	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:06	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:06	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:06	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:06	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:06	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:06	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:06	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.2	30-150		2/1/19 18:06
Decachlorobiphenyl [2]	94.1	30-150		2/1/19 18:06
Tetrachloro-m-xylene [1]	91.4	30-150		2/1/19 18:06
Tetrachloro-m-xylene [2]	92.1	30-150		2/1/19 18:06

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Project Location: 50 North Main St., Suffield, CT Sample Description: Area #12 C Wall Center Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-56W Sampled: 1/24/2019 00:00

Sample ID: 19A1262-16

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:24	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:24	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:24	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:24	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:24	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:24	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:24	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:24	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.3	30-150		2/1/19 18:24
Decachlorobiphenyl [2]	90.4	30-150		2/1/19 18:24
Tetrachloro-m-xylene [1]	92.2	30-150		2/1/19 18:24
Tetrachloro-m-xylene [2]	92.3	30-150		2/1/19 18:24

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Project Location: 50 North Main St., Suffield, CT Sample Description: Blank Work Order: 19A1262

Date Received: 1/25/2019

Field Sample #: 20190124-Wipe-57B Sampled: 1/24/2019 00:00

Sample ID: 19A1262-17

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:42	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:42	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:42	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:42	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:42	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:42	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:42	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:42	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/19	2/1/19 18:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.2	30-150		2/1/19 18:42
Decachlorobiphenyl [2]	86.7	30-150		2/1/19 18:42
Tetrachloro-m-xylene [1]	86.5	30-150		2/1/19 18:42
Tetrachloro-m-xylene [2]	86.5	30-150		2/1/19 18:42

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
19A1262-01 [20190124-Wipe-41W]	B222321	1.00	10.0	01/29/19
19A1262-02 [20190124-Wipe-42W]	B222321	1.00	10.0	01/29/19
19A1262-03 [20190124-Wipe-43W]	B222321	1.00	10.0	01/29/19
19A1262-04 [20190124-Wipe-44W]	B222321	1.00	10.0	01/29/19
19A1262-05 [20190124-Wipe-45W]	B222321	1.00	10.0	01/29/19
19A1262-06 [20190124-Wipe-46W]	B222321	1.00	10.0	01/29/19
19A1262-07 [20190124-Wipe-47W]	B222321	1.00	10.0	01/29/19
19A1262-08 [20190124-Wipe-48W]	B222321	1.00	10.0	01/29/19
19A1262-09 [20190124-Wipe-49W]	B222321	1.00	10.0	01/29/19
19A1262-10 [20190124-Wipe-50W]	B222321	1.00	10.0	01/29/19
19A1262-11 [20190124-Wipe-51W]	B222321	1.00	10.0	01/29/19
19A1262-12 [20190124-Wipe-52W]	B222321	1.00	10.0	01/29/19
19A1262-13 [20190124-Wipe-53W]	B222321	1.00	10.0	01/29/19
19A1262-14 [20190124-Wipe-54W]	B222321	1.00	10.0	01/29/19
19A1262-15 [20190124-Wipe-55W]	B222321	1.00	10.0	01/29/19
19A1262-16 [20190124-Wipe-56W]	B222321	1.00	10.0	01/29/19
19A1262-17 [20190124-Wipe-57B]	B222321	1.00	10.0	01/29/19

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B222321 - SW-846 3540C										
Blank (B222321-BLK1)				Prepared: 01/29/19 Analyzed: 02/01/19						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.76*		µg/Wipe	2.00		87.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.69*		µg/Wipe	2.00		84.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.67*		µg/Wipe	2.00		83.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.68*		µg/Wipe	2.00		83.8	30-150			
LCS (B222321-BS1)				Prepared: 01/29/19 Analyzed: 02/01/19						
Aroclor-1016	0.53	0.20	µg/Wipe	0.500		106	40-140			
Aroclor-1016 [2C]	0.53	0.20	µg/Wipe	0.500		106	40-140			
Aroclor-1260	0.46	0.20	µg/Wipe	0.500		92.6	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/Wipe	0.500		90.0	40-140			
Surrogate: Decachlorobiphenyl	*1.77*		µg/Wipe	2.00		88.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.74*		µg/Wipe	2.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.72*		µg/Wipe	2.00		86.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.71*		µg/Wipe	2.00		85.4	30-150			
LCS Dup (B222321-BSD1)				Prepared: 01/29/19 Analyzed: 02/01/19						
Aroclor-1016	0.54	0.20	µg/Wipe	0.500		108	40-140	2.47	30	
Aroclor-1016 [2C]	0.52	0.20	µg/Wipe	0.500		105	40-140	1.68	30	
Aroclor-1260	0.46	0.20	µg/Wipe	0.500		91.8	40-140	0.933	30	
Aroclor-1260 [2C]	0.47	0.20	µg/Wipe	0.500		93.7	40-140	4.05	30	
Surrogate: Decachlorobiphenyl	*1.84*		µg/Wipe	2.00		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.80*		µg/Wipe	2.00		89.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.75*		µg/Wipe	2.00		87.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.74*		µg/Wipe	2.00		86.9	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B222321-BS1 Date(s) Analyzed: 02/01/2019 02/01/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.53	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.45	2.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B222321-BSD1 Date(s) Analyzed: 02/01/2019 02/01/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.52	3.8
Aroclor-1260	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.47	2.2

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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www.fando.com
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19A1262

PCB Wipe Sample Chain of Custody Form

Project Name: Kent Memorial Library Project No. 20151259.A50 Date: 1/24/19

Site Address: 50 North Main Street, Suffield CT Building Name/Number: Suffield Library Project Manager: Helen Rimsa

Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
20190124-Wipe-01C	AREA #1 Center Ceiling	Concret Ceiling	10/cm2	
20190124-Wipe-02C	#1 Center Ceiling	↓	↓	
20190124-Wipe-03C	#2 Center Ceiling	↓	↓	
20190124-Wipe-04C	#2 Center Ceiling	↓	↓	
20190124-Wipe-05C	#3 Center Ceiling	↓	↓	
20190124-Wipe-06C	#3 Center Ceiling	↓	↓	
20190124-Wipe-07C	#4	↓	↓	
20190124-Wipe-08C	#4	↓	↓	
20190124-Wipe-09C	#5	↓	↓	
20190124-Wipe-10C	#5 ↓ ↓	↓	↓	
20190124-Wipe-11C	#6	↓	↓	
20190124-Wipe-12C	#6 ↓ ↓	↓	↓	
20190124-Wipe-13C	#6 DUPLICATE	↓	↓	
20190124-Wipe-14C	# Left Ceiling	↓	↓	
20190124-Wipe-15C	# Right "	↓	↓	
20190124-Wipe-16C	√# Center	↓	↓	

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Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
20190124-Wipe-17 C	AREA #8 RIGH half Ceiling	Concrete Ceiling	100 cm²	
20190124-Wipe-18 C	#9 RIGH half Ceiling			
20190124-Wipe-19 C	#9 Loft half "			
20190124-Wipe-20 C	#10 REAR of Ceiling			
20190124-Wipe-21 C	#10 FRONT of Ceiling			
20190124-Wipe-22 C	#11 Ceiling Near EXIT DOORS			
20190124-Wipe-23 C	#11 Center Ceiling			
D 20190124-Wipe-24 C	#11 Center Ceiling	(DUPLICATE)		
20190124-Wipe-25 C	#12 Ceiling Loft			
20190124-Wipe-26 C	#12 " RIGHT			
20190124-Wipe-27 W	#1 B Wall Center	Concrete Wall		
20190124-Wipe-28 W	#1 B Wall Corner			
20190124-Wipe-29 W	#2 B Wall Loft	Brick		
20190124-Wipe-30 W	#2 D Wall RIGHT	BRICK		
20190124-Wipe-31 W	#3 C wall Center	Concrete Wall		
20190124-Wipe-32 W	#3 ~~A~~ B Wall Center			
20190124-Wipe-33 W S	#3 A Wall Corner	Granite Window sill (335)		
20190124-Wipe-34 W	#4 B Wall Center	Concrete Wall		
20190124-Wipe-35 W	#4 C wall Center			
20190124-Wipe-36 W	#4 DUPLICATE			

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19A1262

	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
	20190124-Wipe-37 W	AREA # 6 B Wall Corner		100 CM2	
	20190124-Wipe-38 W	# 6 C Wall Center RT			
	20190124-Wipe-39 W	# 7 B Wall Corner			
	20190124-Wipe-40 W	# 7 D Wall Corner			
1	20190124-Wipe-41 W	# 7 DUPLICATE	(DUPLICATE)		
2	20190124-Wipe-42 W	# 8 D WALL Center RT			
3	20190124-Wipe-43 W	# 8 A WALL Center			
4	20190124-Wipe-44 W	# 5 D Wall Center Left			
5	20190124-Wipe-45 W	# 5 D Wall Center RT			
6	20190124-Wipe-46 W	# 5 DUPLICATE	(DUPLICATE)		
7	20190124-Wipe-47 W	# 9 B Wall Center			
8	20190124-Wipe-48 W	# 9 D Wall NEAR SPIRAL Stairs			
9	20190124-Wipe-49 W	# 10 A Wall Left Center			
10	20190124-Wipe-50 W	# 10 B Wall RT Center			
11	20190124-Wipe-51 W	# BLANK	N/A	N/A	
12	20190124-Wipe-52 W	# 11 B Wall RT. Corner			
13	20190124-Wipe-53 W	# 11 B Wall Left			
14	20190124-Wipe-54 W	# 11. BLANK	N/A	N/A	
15	20190124-Wipe-55 W	# 12 B Wall Corner			
16	20190124-Wipe-56 W	# 12 C Wall Center			

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19A1262

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	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
17	20190124-Wipe-57 WB	BLANK	N/A	N/A	

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: Contest Turnaround Time: 5 days

Fax Results to the Laboratory at: 888-838-1160. E-Mail PDF of Results to hrimsa@fando.com and kredfield@fando.com

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps. LOD <0.1 µg/100 cm²

Samples Collected By: A. Malat **Contact Info:** aMalat@Fando.com **Date:** 1-24-19 **Time:** 0945-1500

Relinquished [By][To] [A. Malat][F&O Field Sample FRIG] **Date:** 1-24-19 **Time:** 1830

Relinquished [By][To] [Karen Redfield][Joe Eck] **Date:** 1/25/19 **Time:** 0822

Relinquished [By][To] [Joe Eck][26] **Date:** 1/25/19 **Time:** 1310

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Fusi + O'neill

Received By: RAP Date: 1/25/19 Time: 1310

How were the samples received? In Cooler: T No Cooler: _____ On Ice: T No Ice: _____ Direct from Sampling: _____ Ambient: _____ Melted Ice: _____

Were samples within Temperature? 2-6°C: T By Gun #: 1 Actual Temp - 2.6 By Blank #: _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client: T Analysis: T Sampler Name: T Project: T ID's: T Collection Dates/Times: T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	17
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Appendix T

Wipe Sampling Laboratory Report and Chain of Custody 1/24/19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

February 4, 2019

Helen Risma
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A50
Laboratory Work Order Number: 19A1259

Enclosed are results of analyses for samples received by the laboratory on January 25, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

Table of Contents

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Risma

REPORT DATE: 2/4/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A50

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19A1259

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20190124-Air-01	19A1259-01	Air	Area #1	EPA TO-10A	
20190124-Air-02	19A1259-02	Air	Area #2	EPA TO-10A	
20190124-Air-03	19A1259-03	Air	Area #3	EPA TO-10A	
20190124-Air-04	19A1259-04	Air	Area #4	EPA TO-10A	
20190124-Air-05	19A1259-05	Air	Area #5	EPA TO-10A	
20190124-Air-06	19A1259-06	Air	Area #6	EPA TO-10A	
20190124-Air-07	19A1259-07	Air	Area #7	EPA TO-10A	
20190124-Air-08	19A1259-08	Air	Area #8	EPA TO-10A	
20190124-Air-09	19A1259-09	Air	Area #7 Duplicate	EPA TO-10A	
20190124-Air-10	19A1259-10	Air	Area #9	EPA TO-10A	
20190124-Air-11	19A1259-11	Air	Area #10	EPA TO-10A	
20190124-Air-12	19A1259-12	Air	Area #11	EPA TO-10A	
20190124-Air-13	19A1259-13	Air	Area #11 Duplicate	EPA TO-10A	
20190124-Air-14	19A1259-14	Air	Area #12	EPA TO-10A	
20190124-Air-15	19A1259-15	Air	Blank	EPA TO-10A	

con-test® ANALYTICAL LABORATORY
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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-10A

Qualifications:

O-04

Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]
19A1259-01[20190124-Air-01], 19A1259-02[20190124-Air-02], 19A1259-03[20190124-Air-03], 19A1259-04[20190124-Air-04], 19A1259-05[20190124-Air-05], 19A1259-06[20190124-Air-06], 19A1259-07[20190124-Air-07], 19A1259-08[20190124-Air-08], 19A1259-09[20190124-Air-09], 19A1259-10[20190124-Air-10], 19A1259-11[20190124-Air-11], 19A1259-12[20190124-Air-12], 19A1259-13[20190124-Air-13], 19A1259-14[20190124-Air-14]

S-20

Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene
19A1259-10[20190124-Air-10]

Tetrachloro-m-xylene [2C]
19A1259-10[20190124-Air-10]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-01
Sample ID: 19A1259-01
Sample Matrix: Air
Sampled: 1/24/2019 14:03

Sample Description/Location: Area #1
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1319.7

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.030	1	2/2/19 13:36	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.030	1	2/2/19 13:36	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.030	1	2/2/19 13:36	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.030	1	2/2/19 13:36	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.030	1	2/2/19 13:36	WAL
Aroclor-1254 [2]	0.16	0.040	O-04	0.12	0.030	1	2/2/19 13:36	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.030	1	2/2/19 13:36	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.030	1	2/2/19 13:36	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.030	1	2/2/19 13:36	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	92.3	60-120	2/2/19 13:36
Decachlorobiphenyl [2]	96.1	60-120	2/2/19 13:36
Tetrachloro-m-xylene [1]	71.2	60-120	2/2/19 13:36
Tetrachloro-m-xylene [2]	79.1	60-120	2/2/19 13:36

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-02
Sample ID: 19A1259-02
Sample Matrix: Air
Sampled: 1/24/2019 14:05

Sample Description/Location: Area #2
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1324.4

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.030	1	2/2/19 13:54	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.030	1	2/2/19 13:54	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.030	1	2/2/19 13:54	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.030	1	2/2/19 13:54	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.030	1	2/2/19 13:54	WAL
Aroclor-1254 [2]	0.15	0.040	O-04	0.12	0.030	1	2/2/19 13:54	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.030	1	2/2/19 13:54	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.030	1	2/2/19 13:54	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.030	1	2/2/19 13:54	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	95.2	60-120	2/2/19 13:54
Decachlorobiphenyl [2]	99.1	60-120	2/2/19 13:54
Tetrachloro-m-xylene [1]	70.8	60-120	2/2/19 13:54
Tetrachloro-m-xylene [2]	79.8	60-120	2/2/19 13:54

con-test® ANALYTICAL LABORATORY
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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-03
Sample ID: 19A1259-03
Sample Matrix: Air
Sampled: 1/24/2019 14:07

Sample Description/Location: Area #3
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1331.9

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.030	1	2/2/19 14:11	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.030	1	2/2/19 14:11	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.030	1	2/2/19 14:11	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.030	1	2/2/19 14:11	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.030	1	2/2/19 14:11	WAL
Aroclor-1254 [2]	0.17	0.040	O-04	0.13	0.030	1	2/2/19 14:11	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.030	1	2/2/19 14:11	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.030	1	2/2/19 14:11	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.030	1	2/2/19 14:11	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	101	60-120	2/2/19 14:11
Decachlorobiphenyl [2]	105	60-120	2/2/19 14:11
Tetrachloro-m-xylene [1]	77.1	60-120	2/2/19 14:11
Tetrachloro-m-xylene [2]	86.9	60-120	2/2/19 14:11

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-04
Sample ID: 19A1259-04
Sample Matrix: Air
Sampled: 1/24/2019 15:07

Sample Description/Location: Area #4
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1181.8

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.034	1	2/2/19 14:29	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.034	1	2/2/19 14:29	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.034	1	2/2/19 14:29	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.034	1	2/2/19 14:29	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.034	1	2/2/19 14:29	WAL
Aroclor-1254 [2]	0.11	0.040	O-04	0.095	0.034	1	2/2/19 14:29	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.034	1	2/2/19 14:29	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.034	1	2/2/19 14:29	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.034	1	2/2/19 14:29	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	89.3	60-120	2/2/19 14:29
Decachlorobiphenyl [2]	93.2	60-120	2/2/19 14:29
Tetrachloro-m-xylene [1]	66.9	60-120	2/2/19 14:29
Tetrachloro-m-xylene [2]	75.1	60-120	2/2/19 14:29

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-05
Sample ID: 19A1259-05
Sample Matrix: Air
Sampled: 1/24/2019 14:09

Sample Description/Location: Area #5
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1314.9

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.030	1	2/2/19 14:46	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.030	1	2/2/19 14:46	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.030	1	2/2/19 14:46	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.030	1	2/2/19 14:46	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.030	1	2/2/19 14:46	WAL
Aroclor-1254 [2]	0.11	0.040	O-04	0.080	0.030	1	2/2/19 14:46	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.030	1	2/2/19 14:46	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.030	1	2/2/19 14:46	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.030	1	2/2/19 14:46	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	78.0	60-120	2/2/19 14:46
Decachlorobiphenyl [2]	81.3	60-120	2/2/19 14:46
Tetrachloro-m-xylene [1]	62.4	60-120	2/2/19 14:46
Tetrachloro-m-xylene [2]	70.1	60-120	2/2/19 14:46

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-06
Sample ID: 19A1259-06
Sample Matrix: Air
Sampled: 1/24/2019 14:10

Sample Description/Location: Area #6
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1323.4

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.030	1	2/2/19 15:04	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.030	1	2/2/19 15:04	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.030	1	2/2/19 15:04	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.030	1	2/2/19 15:04	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.030	1	2/2/19 15:04	WAL
Aroclor-1254 [2]	0.17	0.040	O-04	0.13	0.030	1	2/2/19 15:04	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.030	1	2/2/19 15:04	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.030	1	2/2/19 15:04	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.030	1	2/2/19 15:04	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	88.5	60-120	2/2/19 15:04
Decachlorobiphenyl [2]	92.1	60-120	2/2/19 15:04
Tetrachloro-m-xylene [1]	70.0	60-120	2/2/19 15:04
Tetrachloro-m-xylene [2]	78.2	60-120	2/2/19 15:04

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-07
Sample ID: 19A1259-07
Sample Matrix: Air
Sampled: 1/24/2019 14:12

Sample Description/Location: Area #7
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1339.5

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.030	1	2/2/19 15:21	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.030	1	2/2/19 15:21	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.030	1	2/2/19 15:21	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.030	1	2/2/19 15:21	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.030	1	2/2/19 15:21	WAL
Aroclor-1254 [2]	0.19	0.040	O-04	0.14	0.030	1	2/2/19 15:21	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.030	1	2/2/19 15:21	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.030	1	2/2/19 15:21	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.030	1	2/2/19 15:21	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	93.4	60-120	2/2/19 15:21
Decachlorobiphenyl [2]	97.4	60-120	2/2/19 15:21
Tetrachloro-m-xylene [1]	73.2	60-120	2/2/19 15:21
Tetrachloro-m-xylene [2]	82.1	60-120	2/2/19 15:21

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-08
Sample ID: 19A1259-08
Sample Matrix: Air
Sampled: 1/24/2019 14:14

Sample Description/Location: Area #8
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1332.7

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.030	1	2/2/19 16:26	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.030	1	2/2/19 16:26	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.030	1	2/2/19 16:26	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.030	1	2/2/19 16:26	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.030	1	2/2/19 16:26	WAL
Aroclor-1254 [2]	0.18	0.040	O-04	0.14	0.030	1	2/2/19 16:26	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.030	1	2/2/19 16:26	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.030	1	2/2/19 16:26	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.030	1	2/2/19 16:26	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	89.6	60-120	2/2/19 16:26
Decachlorobiphenyl [2]	93.0	60-120	2/2/19 16:26
Tetrachloro-m-xylene [1]	67.7	60-120	2/2/19 16:26
Tetrachloro-m-xylene [2]	76.1	60-120	2/2/19 16:26

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-09
Sample ID: 19A1259-09
Sample Matrix: Air
Sampled: 1/24/2019 14:15

Sample Description/Location: Area #7 Duplicate
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1197.0

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.033	1	2/2/19 16:44	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.033	1	2/2/19 16:44	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.033	1	2/2/19 16:44	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.033	1	2/2/19 16:44	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.033	1	2/2/19 16:44	WAL
Aroclor-1254 [2]	0.16	0.040	O-04	0.13	0.033	1	2/2/19 16:44	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.033	1	2/2/19 16:44	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.033	1	2/2/19 16:44	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.033	1	2/2/19 16:44	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	94.1	60-120	2/2/19 16:44
Decachlorobiphenyl [2]	98.1	60-120	2/2/19 16:44
Tetrachloro-m-xylene [1]	72.8	60-120	2/2/19 16:44
Tetrachloro-m-xylene [2]	82.1	60-120	2/2/19 16:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-10
Sample ID: 19A1259-10
Sample Matrix: Air
Sampled: 1/24/2019 14:17

Sample Description/Location: Area #9
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1303.5

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.031	1	2/2/19 17:01	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.031	1	2/2/19 17:01	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.031	1	2/2/19 17:01	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.031	1	2/2/19 17:01	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.031	1	2/2/19 17:01	WAL
Aroclor-1254 [1]	0.077	0.040		0.059	0.031	1	2/2/19 17:01	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.031	1	2/2/19 17:01	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.031	1	2/2/19 17:01	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.031	1	2/2/19 17:01	WAL

Surrogates	% Recovery		% REC Limits	
Decachlorobiphenyl [1]	61.6		60-120	2/2/19 17:01
Decachlorobiphenyl [2]	63.9		60-120	2/2/19 17:01
Tetrachloro-m-xylene [1]	37.3*	S-20	60-120	2/2/19 17:01
Tetrachloro-m-xylene [2]	41.5*	S-20	60-120	2/2/19 17:01

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-11
Sample ID: 19A1259-11
Sample Matrix: Air
Sampled: 1/24/2019 14:19

Sample Description/Location: Area #10
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1309.2

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.031	1	2/2/19 17:19	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.031	1	2/2/19 17:19	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.031	1	2/2/19 17:19	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.031	1	2/2/19 17:19	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.031	1	2/2/19 17:19	WAL
Aroclor-1254 [2]	0.14	0.040	O-04	0.11	0.031	1	2/2/19 17:19	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.031	1	2/2/19 17:19	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.031	1	2/2/19 17:19	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.031	1	2/2/19 17:19	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	89.6	60-120	2/2/19 17:19
Decachlorobiphenyl [2]	93.3	60-120	2/2/19 17:19
Tetrachloro-m-xylene [1]	64.3	60-120	2/2/19 17:19
Tetrachloro-m-xylene [2]	72.8	60-120	2/2/19 17:19

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-12
Sample ID: 19A1259-12
Sample Matrix: Air
Sampled: 1/24/2019 14:22

Sample Description/Location: Area #11
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1336.6

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.030	1	2/2/19 17:36	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.030	1	2/2/19 17:36	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.030	1	2/2/19 17:36	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.030	1	2/2/19 17:36	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.030	1	2/2/19 17:36	WAL
Aroclor-1254 [2]	0.13	0.040	O-04	0.096	0.030	1	2/2/19 17:36	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.030	1	2/2/19 17:36	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.030	1	2/2/19 17:36	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.030	1	2/2/19 17:36	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	77.0	60-120	2/2/19 17:36
Decachlorobiphenyl [2]	80.4	60-120	2/2/19 17:36
Tetrachloro-m-xylene [1]	61.0	60-120	2/2/19 17:36
Tetrachloro-m-xylene [2]	68.7	60-120	2/2/19 17:36

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-13
Sample ID: 19A1259-13
Sample Matrix: Air
Sampled: 1/24/2019 14:24

Sample Description/Location: Area #11 Duplicate
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 1342.3

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.030	1	2/2/19 17:54	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.030	1	2/2/19 17:54	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.030	1	2/2/19 17:54	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.030	1	2/2/19 17:54	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.030	1	2/2/19 17:54	WAL
Aroclor-1254 [2]	0.15	0.040	O-04	0.11	0.030	1	2/2/19 17:54	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.030	1	2/2/19 17:54	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.030	1	2/2/19 17:54	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.030	1	2/2/19 17:54	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	85.7	60-120	2/2/19 17:54
Decachlorobiphenyl [2]	89.1	60-120	2/2/19 17:54
Tetrachloro-m-xylene [1]	64.3	60-120	2/2/19 17:54
Tetrachloro-m-xylene [2]	72.2	60-120	2/2/19 17:54

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-14
Sample ID: 19A1259-14
Sample Matrix: Air
Sampled: 1/24/2019 14:26

Sample Description/Location: Area #12
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 1356.6

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	Total µg RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		ND	0.029	1	2/2/19 18:11	WAL
Aroclor-1221 [1]	ND	0.040		ND	0.029	1	2/2/19 18:11	WAL
Aroclor-1232 [1]	ND	0.040		ND	0.029	1	2/2/19 18:11	WAL
Aroclor-1242 [1]	ND	0.040		ND	0.029	1	2/2/19 18:11	WAL
Aroclor-1248 [1]	ND	0.040		ND	0.029	1	2/2/19 18:11	WAL
Aroclor-1254 [2]	0.16	0.040	O-04	0.12	0.029	1	2/2/19 18:11	WAL
Aroclor-1260 [1]	ND	0.040		ND	0.029	1	2/2/19 18:11	WAL
Aroclor-1262 [1]	ND	0.040		ND	0.029	1	2/2/19 18:11	WAL
Aroclor-1268 [1]	ND	0.040		ND	0.029	1	2/2/19 18:11	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	90.8	60-120	2/2/19 18:11
Decachlorobiphenyl [2]	95.1	60-120	2/2/19 18:11
Tetrachloro-m-xylene [1]	67.5	60-120	2/2/19 18:11
Tetrachloro-m-xylene [2]	76.9	60-120	2/2/19 18:11

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ANALYTICAL RESULTS

Project Location: 50 North Main St., Suffield, CT
Date Received: 1/25/2019
Field Sample #: 20190124-Air-15
Sample ID: 19A1259-15
Sample Matrix: Air
Sampled: 1/24/2019 00:00

Sample Description/Location: Blank
Sub Description/Location:
Flow Controller ID:
Sample Type:

Work Order: 19A1259

EPA TO-10A

Analyte	Total µg Results	RL	Flag/Qual	Dilution	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.040		1	2/2/19 18:29	WAL
Aroclor-1221 [1]	ND	0.040		1	2/2/19 18:29	WAL
Aroclor-1232 [1]	ND	0.040		1	2/2/19 18:29	WAL
Aroclor-1242 [1]	ND	0.040		1	2/2/19 18:29	WAL
Aroclor-1248 [1]	ND	0.040		1	2/2/19 18:29	WAL
Aroclor-1254 [1]	ND	0.040		1	2/2/19 18:29	WAL
Aroclor-1260 [1]	ND	0.040		1	2/2/19 18:29	WAL
Aroclor-1262 [1]	ND	0.040		1	2/2/19 18:29	WAL
Aroclor-1268 [1]	ND	0.040		1	2/2/19 18:29	WAL

Surrogates	% Recovery	% REC Limits	
Decachlorobiphenyl [1]	87.7	60-120	2/2/19 18:29
Decachlorobiphenyl [2]	91.4	60-120	2/2/19 18:29
Tetrachloro-m-xylene [1]	66.1	60-120	2/2/19 18:29
Tetrachloro-m-xylene [2]	75.0	60-120	2/2/19 18:29

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Sample Extraction Data

Prep Method: SW-846 3540C-EPA TO-10A

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
19A1259-01 [20190124-Air-01]	B222438	1.00	2.00	01/31/19
19A1259-02 [20190124-Air-02]	B222438	1.00	2.00	01/31/19
19A1259-03 [20190124-Air-03]	B222438	1.00	2.00	01/31/19
19A1259-04 [20190124-Air-04]	B222438	1.00	2.00	01/31/19
19A1259-05 [20190124-Air-05]	B222438	1.00	2.00	01/31/19
19A1259-06 [20190124-Air-06]	B222438	1.00	2.00	01/31/19
19A1259-07 [20190124-Air-07]	B222438	1.00	2.00	01/31/19
19A1259-08 [20190124-Air-08]	B222438	1.00	2.00	01/31/19
19A1259-09 [20190124-Air-09]	B222438	1.00	2.00	01/31/19
19A1259-10 [20190124-Air-10]	B222438	1.00	2.00	01/31/19
19A1259-11 [20190124-Air-11]	B222438	1.00	2.00	01/31/19
19A1259-12 [20190124-Air-12]	B222438	1.00	2.00	01/31/19
19A1259-13 [20190124-Air-13]	B222438	1.00	2.00	01/31/19
19A1259-14 [20190124-Air-14]	B222438	1.00	2.00	01/31/19
19A1259-15 [20190124-Air-15]	B222438	1.00	2.00	01/31/19

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B222438 - SW-846 3540C											
Blank (B222438-BLK1)					Prepared: 01/31/19 Analyzed: 02/02/19						
Aroclor-1016	ND	0.040									
Aroclor-1016 [2C]	ND	0.040									
Aroclor-1221	ND	0.040									
Aroclor-1221 [2C]	ND	0.040									
Aroclor-1232	ND	0.040									
Aroclor-1232 [2C]	ND	0.040									
Aroclor-1242	ND	0.040									
Aroclor-1242 [2C]	ND	0.040									
Aroclor-1248	ND	0.040									
Aroclor-1248 [2C]	ND	0.040									
Aroclor-1254	ND	0.040									
Aroclor-1254 [2C]	ND	0.040									
Aroclor-1260	ND	0.040									
Aroclor-1260 [2C]	ND	0.040									
Aroclor-1262	ND	0.040									
Aroclor-1262 [2C]	ND	0.040									
Aroclor-1268	ND	0.040									
Aroclor-1268 [2C]	ND	0.040									
Surrogate: Decachlorobiphenyl	*0.377*				*0.400*		*94.3*	*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.392*				*0.400*		*98.0*	*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.287*				*0.400*		*71.6*	*60-120*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.320*				*0.400*		*80.1*	*60-120*			
LCS (B222438-BS1)					Prepared: 01/31/19 Analyzed: 02/02/19						
Aroclor-1016	0.0727	0.040			0.100		72.7	63.3-130			
Aroclor-1016 [2C]	0.0758	0.040			0.100		75.8	61.8-127			
Aroclor-1260	0.0778	0.040			0.100		77.8	55-126			
Aroclor-1260 [2C]	0.0817	0.040			0.100		81.7	54-121			
Surrogate: Decachlorobiphenyl	*0.295*				*0.400*		*73.7*	*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.305*				*0.400*		*76.2*	*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.244*				*0.400*		*60.9*	*60-120*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.274*				*0.400*		*68.5*	*60-120*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B222438 - SW-846 3540C											
LCS Dup (B222438-BSD1)					Prepared: 01/31/19 Analyzed: 02/02/19						
Aroclor-1016	0.0776	0.040			0.100		77.6	63.3-130	6.46	24.7	
Aroclor-1016 [2C]	0.0824	0.040			0.100		82.4	61.8-127	8.33	26.6	
Aroclor-1260	0.0962	0.040			0.100		96.2	55-126	21.1	26.3	
Aroclor-1260 [2C]	0.0964	0.040			0.100		96.4	54-121	16.5	29.2	
Surrogate: Decachlorobiphenyl	*0.345*				*0.400*		*86.2*	*60-120*			
Surrogate: Decachlorobiphenyl [2C]	*0.358*				*0.400*		*89.5*	*60-120*			
Surrogate: Tetrachloro-m-xylene	*0.265*				*0.400*		*66.3*	*60-120*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.301*				*0.400*		*75.3*	*60-120*			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-01

Lab Sample ID: 19A1259-01 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.16	28.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-02

Lab Sample ID: 19A1259-02 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.15	22.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-03

Lab Sample ID: 19A1259-03 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.17	26.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-04

Lab Sample ID: 19A1259-04 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.086	
	2	0.000	0.000	0.000	0.11	24.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-05

Lab Sample ID: 19A1259-05 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.081	
	2	0.000	0.000	0.000	0.11	30.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-06

Lab Sample ID: 19A1259-06 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.17	19.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-07

Lab Sample ID: 19A1259-07 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.19	23.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-08

Lab Sample ID: 19A1259-08 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.18	18.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-09

Lab Sample ID: 19A1259-09 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.16	20.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-10

Lab Sample ID: 19A1259-10 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.077	
	2	0.000	0.000	0.000	0.098	24.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-11

Lab Sample ID: 19A1259-11 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.14	24.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-12

Lab Sample ID: 19A1259-12 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.10	
	2	0.000	0.000	0.000	0.13	26.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-13

Lab Sample ID: 19A1259-13 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.15	22.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

20190124-Air-14

Lab Sample ID: 19A1259-14 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.16	20.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

LCS

Lab Sample ID: B222438-BS1 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.0727	
	2	0.000	0.000	0.000	0.0758	3.8
Aroclor-1260	1	0.000	0.000	0.000	0.0778	
	2	0.000	0.000	0.000	0.0817	4.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA TO-10A

LCS Dup

Lab Sample ID: B222438-BSD1 Date(s) Analyzed: 02/02/2019 02/02/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.0776	
	2	0.000	0.000	0.000	0.0824	5.5
Aroclor-1260	1	0.000	0.000	0.000	0.0962	
	2	0.000	0.000	0.000	0.0964	0.4

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
S-20	Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-10A in Air	
Aroclor-1016	AIHA,NJ,NY
Aroclor-1016 [2C]	AIHA,NJ,NY
Aroclor-1221	AIHA,NJ,NY
Aroclor-1221 [2C]	AIHA,NJ,NY
Aroclor-1232	AIHA,NJ,NY
Aroclor-1232 [2C]	AIHA,NJ,NY
Aroclor-1242	AIHA,NJ,NY
Aroclor-1242 [2C]	AIHA,NJ,NY
Aroclor-1248	AIHA,NJ,NY
Aroclor-1248 [2C]	AIHA,NJ,NY
Aroclor-1254	AIHA,NJ,NY
Aroclor-1254 [2C]	AIHA,NJ,NY
Aroclor-1260	AIHA,NJ,NY
Aroclor-1260 [2C]	AIHA,NJ,NY
Aroclor-1262	AIHA,NJ,NY
Aroclor-1262 [2C]	AIHA,NJ,NY
Aroclor-1268	AIHA,NJ,NY
Aroclor-1268 [2C]	AIHA,NJ,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

FUSS & O'NEILL
EnviroScience, LLC JLH
146 Hartford Road, Manchester, CT 06040

19A1259

www.fando.com
(860) 646-2469 Fax (860) 649-6883

PCBs in Air (TO-10A) Chain of Custody Form

Project Name: Kent Memorial Library Project No. 20151259.A50 Date: 1/24/19

Site Address: 50 North Main Street, Suffield CT Building Name/Number: Suffield Library Project Manager: Helen Rimsa

	Sample ID	Sample Location	Flow Rate (LPM)			Time		Total Time (Min)	Total Volume (Liters)	Ave Temp (°F)
			Start	End	Ave	Start	End			
01	20190124-Air-01	AREA # 1	4.73	4.64	4.68	0921	1403	282	1,319.7	70.3
02	20190124-Air-02	AREA # 2	4.70	4.66	4.68	0922	1405	283	1,324.4	70.6
03	20190124-Air-03	AREA # 3	4.68	4.71	4.69	0923	1407	284	1,331.9	70.2
04	20190124-Air-04	AREA # 4	4.75	4.63	4.69	1055	1507	252	1,181.8	70.1
05	20190124-Air-05	AREA # 5	4.69	4.58	4.63	0925	1409	284	1,314.9	70.9
06	20190124-Air-06	AREA # 6	4.70	4.62	4.66	0926	1410	284	1,323.4	70.85
07	20190124-Air-07	AREA # 7	4.78	4.62	4.70	0927	1412	285	1,339.5	70.3
08	20190124-Air-08	AREA # 8	4.75	4.58	4.66	0928	1414	286	1,332.7	70.5
09	20190124-Air-09	AREA # 7 DUPLICATE	4.70	3.70	4.20	0930	1415	285	1,197.0	70.6
10	20190124-Air-10	AREA # 9	4.65	4.53	4.59	0933	1417	284	1,303.5	71.1
11	20190124-Air-11	AREA # 10	4.65	4.58	4.61	0935	1419	284	1,309.2	70.8
12	20190124-Air-12	AREA # 11	4.73	4.66	4.69	0937	1422	285	1,336.6	71.25
13	20190124-Air-13	AREA # 11 DUPLICATE	4.78	4.65	4.71	0939	1424	285	1,342.3	71.20
14	20190124-Air-14	AREA # 12	4.86	4.67	4.76	0941	1426	285	1,356.6	70.40
15	20190124-Air-15	BLANK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Analysis Method: **PCB Homologue** Laboratory: Contest Ave Barometric Pressure (in HG): 29.48 Ave Ambient Temp (°F): 70.9

Fax Results to the EnviroScience Laboratory at: 888-838-1160. E-Mail PDF of Results to hrimsa@fando.com **and** kredfield@fando.com Turnaround Time: 5 days

Special Instruction/Comments: Indoor Air Samples collected with PUF cartridges. Last two digits of sample numbers correspond to last two digits of Contest tube numbers.
LOD ≤0.5 ug/m³

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

Samples Collected By: A. Malat Contact Info: AMalat@Fando.com Date: 1-24-19 Time: 0921-1507

Relinquished [By][To] [A. Malat || F&O Field Sample Refrigerator] Date: 1-24-19 Time: 1815

Relinquished [By][To] [Karson Redfield ||] Date: 1/25/19 Time: 0822

Relinquished [By][To] [Joe Ecot ||] Date: 1/25/19 Time: 1310

2.9

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 278 Rev 6 2017

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fuss & O'Neill

Received By RLF | Date 11/25/19 | Time 1310

How were the samples received? In Cooler T | On Ice T | No Ice | In Box | Ambient | Melted Ice

Were samples within Temperature Compliance? 2-6°C T | By Gun # 2 | Actual Temp - 2.9°C | By Blank # | Actual Temp -

Was Custody Seal Intact? NA | Were Samples Tampered with? NA

Was COC Relinquished ? T | Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? T

Is COC in ink/ Legible? T

Did COC Include all Pertinent Information? Client T | Project T | Analysis T | ID's T | Sampler Name T | Collection Dates/Times T

Are Sample Labels filled out and legible? T

Are there Rushes? F | Who was notified?

Samples are received within holding time? T

Proper Media Used? T | Individually Certified Cans? F

Are there Trip Blanks? F | Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans					Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s	112				Tedlar			

Can #'s					Reg #'s				
Unused Media					**Pufs/TO-17's**				
011719-04					011719-01	011719-06	011719-11		
					011719-02	011719-07	011719-12		
					011719-03	011719-08	011719-13		
					011919-01	011719-09	011719-14		
					011719-05	011719-10	011719-15		

Comments:

one puf received broken ⇒ client is aware

Appendix U

Wipe Sampling Laboratory Reports and Chain of Custody 2/6/19

con-test® ANALYTICAL LABORATORY
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February 13, 2019

Helen Rimsa
Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St. Suffield, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 19B0230

Enclosed are results of analyses for samples received by the laboratory on February 6, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

Table of Contents

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Rimsa

REPORT DATE: 2/13/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19B0230

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St. Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20190206-Wipe-01	19B0230-01	Wipe	ILLS Granite Sill	SW-846 8082A	
20190206-Wipe-02	19B0230-02	Wipe	ILLS Granite Sill	SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISON: 2/13/19 Sample IDs changed to match COC.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Jessica L. Hoffman
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: ILLS Granite Sill Work Order: 19B0230

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-01 Sampled: 2/6/2019 12:00

Sample ID: 19B0230-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:28	WAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:28	WAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:28	WAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:28	WAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:28	WAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:28	WAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:28	WAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:28	WAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:28	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.9	30-150		2/8/19 11:28
Decachlorobiphenyl [2]	94.5	30-150		2/8/19 11:28
Tetrachloro-m-xylene [1]	84.2	30-150		2/8/19 11:28
Tetrachloro-m-xylene [2]	84.9	30-150		2/8/19 11:28

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Project Location: 50 North Main St. Suffield, CT Sample Description: ILLS Granite Sill Work Order: 19B0230

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-02 Sampled: 2/6/2019 12:00

Sample ID: 19B0230-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:41	WAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:41	WAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:41	WAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:41	WAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:41	WAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:41	WAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:41	WAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:41	WAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/6/19	2/8/19 11:41	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.0	30-150		2/8/19 11:41
Decachlorobiphenyl [2]	97.6	30-150		2/8/19 11:41
Tetrachloro-m-xylene [1]	85.6	30-150		2/8/19 11:41
Tetrachloro-m-xylene [2]	86.4	30-150		2/8/19 11:41

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
19B0230-01 [20190206-Wipe-01]	B222992	1.00	10.0	02/06/19
19B0230-02 [20190206-Wipe-02]	B222992	1.00	10.0	02/06/19

con-test® ANALYTICAL LABORATORY
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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B222992 - SW-846 3540C										
Blank (B222992-BLK1)				Prepared: 02/06/19 Analyzed: 02/08/19						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.65*		µg/Wipe	2.00		82.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/Wipe	2.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.54*		µg/Wipe	2.00		77.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.56*		µg/Wipe	2.00		77.9	30-150			
LCS (B222992-BS1)				Prepared: 02/06/19 Analyzed: 02/08/19						
Aroclor-1016	0.48	0.20	µg/Wipe	0.500		95.4	40-140			
Aroclor-1016 [2C]	0.49	0.20	µg/Wipe	0.500		98.3	40-140			
Aroclor-1260	0.53	0.20	µg/Wipe	0.500		107	40-140			
Aroclor-1260 [2C]	0.54	0.20	µg/Wipe	0.500		107	40-140			
Surrogate: Decachlorobiphenyl	*1.80*		µg/Wipe	2.00		90.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.90*		µg/Wipe	2.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.63*		µg/Wipe	2.00		81.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.66*		µg/Wipe	2.00		82.8	30-150			
LCS Dup (B222992-BSD1)				Prepared: 02/06/19 Analyzed: 02/08/19						
Aroclor-1016	0.49	0.20	µg/Wipe	0.500		98.2	40-140	2.87	30	
Aroclor-1016 [2C]	0.54	0.20	µg/Wipe	0.500		107	40-140	8.78	30	
Aroclor-1260	0.54	0.20	µg/Wipe	0.500		107	40-140	0.232	30	
Aroclor-1260 [2C]	0.54	0.20	µg/Wipe	0.500		109	40-140	1.23	30	
Surrogate: Decachlorobiphenyl	*1.79*		µg/Wipe	2.00		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.89*		µg/Wipe	2.00		94.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.67*		µg/Wipe	2.00		83.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.69*		µg/Wipe	2.00		84.5	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B222992-BS1 Date(s) Analyzed: 02/08/2019 02/08/2019

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.48	
	2	0.000	0.000	0.000	0.49	2.1
Aroclor-1260	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.54	1.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B222992-BSD1 Date(s) Analyzed: 02/08/2019 02/08/2019

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.54	9.7
Aroclor-1260	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.54	0.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

FUSS & O'NEILL
EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040

www.fando.com
(860) 646-2469 Fax (860) 649-6883

1AB0230

JLH

PCB Wipe Sample Chain of Custody Form

Project Name: Town of Suffield

Project No. 20151259.A50 task 38

Date: 02/6/19

Site Address: 50 North Main Street, Suffield, CT

Building Name: Kent Memorial Library

Project Manager: Helen Rimsa

Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
20190206-Wipe-01	Interior Lower Level South	Granite Sill	100 SQ CM	G
20190206-Wipe-02	Interior Lower Level South	Granite Sill	100 SQ CM	G
20190206-Wipe-03	Exterior Lower Level South	Granite Sill	100 SQ CM	G
20190206-Wipe-04	Exterior Upper Level South	Granite Sill	100 SQ CM	G
20190206-Wipe-05	Exterior Upper Level South	Granite Sill Duplicate	100 SQ CM	G
20190206-Wipe-06	Exterior Upper Level South	Soffit	100 SQ CM	G
20190206-Wipe-07	Exterior Upper Level South	Soffit	100 SQ CM	
20190206-Wipe-08	Exterior Garden Courtyard	Column	100 SQ CM	G
20190206-Wipe-09	Exterior Upper Level Center	Granite Sill	100 SQ CM	
20190206-Wipe-10	Exterior Upper Level Center	Granite Sill	100 SQ CM	
20190206-Wipe-11	Exterior Upper Level North	Granite Sill	100 SQ CM	G
20190206-Wipe-12	Exterior Upper Level North	Granite Sill	100 SQ CM	G
20190206-Wipe-13	Exterior Upper Level North	Soffit	100 SQ CM	G
20190206-Wipe-14	Exterior Upper Level North	Soffit	100 SQ CM	G
20190206-Wipe-15	Exterior Lower Level North	Granite Sill	100 SQ CM	G
20190206-Wipe-16	Exterior Lower Level North	Granite Sill	100 SQ CM	G
20190206-Wipe-17	Exterior Lower Level North	Granite Sill-Duplicate	100 SQ CM	G

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146 Hartford Road, Manchester, CT 06040

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PCB Wipe Sample Chain of Custody Form

Project Name: Town of Suffield Project No. 20151259.A50 Date: 02/6/19

Site Address: 50 North Main Street, Suffield, CT Building Name: Kent Memorial Library Project Manager: Helen Rimsa

Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
20190206-Wipe-18	Exterior Courtyard	Door Header	100 SQ CM	G
20190206-Wipe-18	Exterior Courtyard	Door Header	100 SQ CM	G
20190206-Wipe-20	Exterior Lower Level Lobby	Door Header	100 SQ CM	G
20190206-Wipe-21	Exterior Lower Level Lobby	Door Header	100 SQ CM	G
20190206-21 ~ B	Field Blank	~	~	~

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: Contest Turnaround Time: sample **01 + 02-48 hours TATand samples 02-21 5-day TAT**

Fax Results to the Fuss & O'Neill Laboratory at: 888-838-1160. E-Mail PDF of Results to hrimsa @fando.com.

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: Paul Bateman **Contact Info:** _____ **Date:** 2/6/19 **Time:** 12:00

Relinquished [By][To] [Paul Bateman Paul Bateman][10.1 FB] **Date:** 2/6/19 **Time:** 16:05

Relinquished [By][To] [_____][_____] **Date:** _____ **Time:** _____

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Rebecca Faust

From: Jessica Hoffman
Sent: Wednesday, February 06, 2019 4:48 PM
To: Rebecca Faust
Subject: FW: Kent library

Please click on survey link below for a quick survey.

Have a great day,

Jessica Hoffman
Project Manager
Con-Test Analytical Laboratory
40 Spruce Street., East Longmeadow, MA 01028
Phone: 413.525.2332 x56 | Email: jessica.hoffman@contestlabs.com

www.contestlabs.com | See us on:
View your sample results on our website. Contact your project manager for more information.
We value your feedback.

Con-Test is committed to quality and continuously improving deliverables and services to our clients. Complete the short survey regarding your experience with Con-Test using the following link:

Each entry will be entered for a $100 gift card in a monthly drawing Survey Link

From: Helen Rimsa <HRimsa@fando.com>
Sent: Wednesday, February 06, 2019 4:44 PM
To: Jessica Hoffman <jessica.hoffman@contestlabs.com>
Subject: RE: Kent library

Hello Jessica,

Thanks for reaching out! Yes, samples 01 and 02 have a TAT of 48 hours, the remaining samples have a 5 day TAT.

Helen Rimsa
Senior Scientist
Fuss & O'Neill, Inc. | 146 Hartford Road | Manchester, CT 06040

860.646.2469 x5396 | hrimsa@fando.com | cell: 860.977.3468
www.fando.com | twitter | facebook | linkedin

From: Jessica Hoffman [mailto:jessica.hoffman@contestlabs.com]
Sent: Wednesday, February 6, 2019 4:32 PM
To: Helen Rimsa <HRimsa@fando.com>
Subject: Kent library

Good afternoon Helen,

Could you look at the tat requested for me on the attached chain. We just want to check do you need sample 2 on a 2 day or 5 day tat?

Please click on survey link below for a quick survey.

Have a great day,

Jessica Hoffman
Project Manager
Con-Test Analytical Laboratory
40 Spruce Street., East Longmeadow, MA 01028
Phone: 413.525.2332 x56 | Email: jessica.hoffman@contestlabs.com

www.contestlabs.com | See us on:
View your sample results on our website. Contact your project manager for more information.
We value your feedback.

Con-Test is committed to quality and continuously improving deliverables and services to our clients. Complete the short survey regarding your experience with Con-Test using the following link:

Each entry will be entered for a $100 gift card in a monthly drawing Survey Link

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client FO

Received By SL Date 3/6/19 Time ~~1605~~ 1604

How were the samples received? In Cooler _____ No Cooler T On Ice _____ No Ice T
Direct from Sampling T Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C F By Gun # 1 Actual Temp - 10.1
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NO
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? T Who was notified? mike m.
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	2
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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February 13, 2019

Helen Rimsa
Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 19B0234

Enclosed are results of analyses for samples received by the laboratory on February 6, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Rimsa

REPORT DATE: 2/13/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19B0234

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20190206-Wipe-03	19B0234-01	Wipe	ELLS Granite Sill	SW-846 8082A	
20190206-Wipe-04	19B0234-02	Wipe	EULS Granite Sill	SW-846 8082A	
20190206-Wipe-05	19B0234-03	Wipe	EULS Granite Sill Duplicate	SW-846 8082A	
20190206-Wipe-06	19B0234-04	Wipe	EULS Soffit	SW-846 8082A	
20190206-Wipe-07	19B0234-05	Wipe	EULS Soffit	SW-846 8082A	
20190206-Wipe-08	19B0234-06	Wipe	EGC Column	SW-846 8082A	
20190206-Wipe-09	19B0234-07	Wipe	EULC Granite Sill	SW-846 8082A	
20190206-Wipe-10	19B0234-08	Wipe	EULC Granite Sill	SW-846 8082A	
20190206-Wipe-11	19B0234-09	Wipe	EULN Granite Sill	SW-846 8082A	
20190206-Wipe-12	19B0234-10	Wipe	EULN Granite Sill	SW-846 8082A	
20190206-Wipe-13	19B0234-11	Wipe	EULN Soffit	SW-846 8082A	
20190206-Wipe-14	19B0234-12	Wipe	EULN Soffit	SW-846 8082A	
20190206-Wipe-15	19B0234-13	Wipe	ELLN Granite Sill	SW-846 8082A	
20190206-Wipe-16	19B0234-14	Wipe	ELLN Granite Sill	SW-846 8082A	
20190206-Wipe-17	19B0234-15	Wipe	ELLN Granite Sill Duplicate	SW-846 8082A	
20190206-Wipe-18	19B0234-16	Wipe	EC Door Header	SW-846 8082A	
20190206-Wipe-19	19B0234-17	Wipe	EC Door Header	SW-846 8082A	
20190206-Wipe-20	19B0234-18	Wipe	ELLL Door Header	SW-846 8082A	
20190206-Wipe-21	19B0234-19	Wipe	ELLL Door Header	SW-846 8082A	
20190206-Wipe-21-B	19B0234-20	Wipe		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: ELLS Granite Sill Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-03 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:24	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:24	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:24	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:24	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:24	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:24	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:24	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:24	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:24	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		2/12/19 15:24
Decachlorobiphenyl [2]	111	30-150		2/12/19 15:24
Tetrachloro-m-xylene [1]	82.4	30-150		2/12/19 15:24
Tetrachloro-m-xylene [2]	94.1	30-150		2/12/19 15:24

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Project Location: 50 North Main St., Suffield, CT Sample Description: EULS Granite Sill Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-04 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:37	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:37	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:37	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:37	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:37	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:37	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:37	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:37	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:37	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		2/12/19 15:37
Decachlorobiphenyl [2]	113	30-150		2/12/19 15:37
Tetrachloro-m-xylene [1]	80.4	30-150		2/12/19 15:37
Tetrachloro-m-xylene [2]	92.3	30-150		2/12/19 15:37

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Project Location: 50 North Main St., Suffield, CT Sample Description: EULS Granite Sill Duplicate Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-05 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:49	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:49	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:49	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:49	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:49	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:49	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:49	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:49	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 15:49	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.7	30-150		2/12/19 15:49
Decachlorobiphenyl [2]	107	30-150		2/12/19 15:49
Tetrachloro-m-xylene [1]	76.4	30-150		2/12/19 15:49
Tetrachloro-m-xylene [2]	88.1	30-150		2/12/19 15:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: EULS Soffit Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-06 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:02	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:02	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:02	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:02	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:02	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:02	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:02	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:02	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:02	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.1	30-150		2/12/19 16:02
Decachlorobiphenyl [2]	106	30-150		2/12/19 16:02
Tetrachloro-m-xylene [1]	77.6	30-150		2/12/19 16:02
Tetrachloro-m-xylene [2]	89.2	30-150		2/12/19 16:02

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: EULS Soffit Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-07 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:14	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:14	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:14	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:14	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:14	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:14	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:14	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:14	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:14	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.0	30-150		2/12/19 16:14
Decachlorobiphenyl [2]	101	30-150		2/12/19 16:14
Tetrachloro-m-xylene [1]	73.4	30-150		2/12/19 16:14
Tetrachloro-m-xylene [2]	84.6	30-150		2/12/19 16:14

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: EGC Column Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-08 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:27	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:27	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:27	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:27	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:27	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:27	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:27	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:27	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:27	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.2	30-150		2/12/19 16:27
Decachlorobiphenyl [2]	105	30-150		2/12/19 16:27
Tetrachloro-m-xylene [1]	76.7	30-150		2/12/19 16:27
Tetrachloro-m-xylene [2]	88.2	30-150		2/12/19 16:27

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: EULC Granite Sill Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-09 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:39	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:39	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:39	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:39	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:39	AYH
Aroclor-1254 [2]	0.74	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:39	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:39	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:39	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:39	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		2/12/19 16:39
Decachlorobiphenyl [2]	107	30-150		2/12/19 16:39
Tetrachloro-m-xylene [1]	78.6	30-150		2/12/19 16:39
Tetrachloro-m-xylene [2]	90.5	30-150		2/12/19 16:39

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: EULC Granite Sill Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-10 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:51	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:51	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:51	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:51	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:51	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:51	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:51	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:51	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 16:51	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		2/12/19 16:51
Decachlorobiphenyl [2]	97.6	30-150		2/12/19 16:51
Tetrachloro-m-xylene [1]	72.5	30-150		2/12/19 16:51
Tetrachloro-m-xylene [2]	83.7	30-150		2/12/19 16:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: EULN Granite Sill Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-11 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:04	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:04	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:04	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:04	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:04	AYH
Aroclor-1254 [2]	0.72	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:04	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:04	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:04	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:04	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		2/12/19 17:04
Decachlorobiphenyl [2]	108	30-150		2/12/19 17:04
Tetrachloro-m-xylene [1]	79.4	30-150		2/12/19 17:04
Tetrachloro-m-xylene [2]	91.6	30-150		2/12/19 17:04

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: EULN Granite Sill Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-12 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:16	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:16	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:16	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:16	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:16	AYH
Aroclor-1254 [2]	1.4	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:16	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:16	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:16	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 17:16	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		2/12/19 17:16
Decachlorobiphenyl [2]	114	30-150		2/12/19 17:16
Tetrachloro-m-xylene [1]	80.5	30-150		2/12/19 17:16
Tetrachloro-m-xylene [2]	92.7	30-150		2/12/19 17:16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: EULN Soffit Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-13 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:06	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:06	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:06	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:06	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:06	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:06	AYH
Aroclor-1260 [2]	0.22	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:06	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:06	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:06	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		2/12/19 18:06
Decachlorobiphenyl [2]	114	30-150		2/12/19 18:06
Tetrachloro-m-xylene [1]	85.1	30-150		2/12/19 18:06
Tetrachloro-m-xylene [2]	98.6	30-150		2/12/19 18:06

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: EULN Soffit Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-14 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:18	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:18	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:18	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:18	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:18	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:18	AYH
Aroclor-1260 [2]	0.27	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:18	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:18	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:18	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		2/12/19 18:18
Decachlorobiphenyl [2]	110	30-150		2/12/19 18:18
Tetrachloro-m-xylene [1]	82.2	30-150		2/12/19 18:18
Tetrachloro-m-xylene [2]	95.2	30-150		2/12/19 18:18

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: ELLN Granite Sill Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-15 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-13

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:31	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:31	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:31	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:31	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:31	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:31	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:31	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:31	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:31	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		2/12/19 18:31
Decachlorobiphenyl [2]	109	30-150		2/12/19 18:31
Tetrachloro-m-xylene [1]	79.5	30-150		2/12/19 18:31
Tetrachloro-m-xylene [2]	92.1	30-150		2/12/19 18:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: ELLN Granite Sill Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-16 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-14

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:43	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:43	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:43	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:43	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:43	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:43	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:43	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:43	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:43	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		2/12/19 18:43
Decachlorobiphenyl [2]	113	30-150		2/12/19 18:43
Tetrachloro-m-xylene [1]	79.5	30-150		2/12/19 18:43
Tetrachloro-m-xylene [2]	92.2	30-150		2/12/19 18:43

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Project Location: 50 North Main St., Suffield, CT Sample Description: ELLN Granite Sill Duplicate Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-17 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-15

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:56	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:56	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:56	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:56	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:56	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:56	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:56	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:56	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 18:56	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		2/12/19 18:56
Decachlorobiphenyl [2]	107	30-150		2/12/19 18:56
Tetrachloro-m-xylene [1]	77.1	30-150		2/12/19 18:56
Tetrachloro-m-xylene [2]	89.2	30-150		2/12/19 18:56

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Project Location: 50 North Main St., Suffield, CT Sample Description: EC Door Header Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-18 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-16

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:08	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:08	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:08	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:08	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:08	AYH
Aroclor-1254 [2]	1.4	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:08	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:08	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:08	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:08	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		2/12/19 19:08
Decachlorobiphenyl [2]	110	30-150		2/12/19 19:08
Tetrachloro-m-xylene [1]	79.7	30-150		2/12/19 19:08
Tetrachloro-m-xylene [2]	92.1	30-150		2/12/19 19:08

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Project Location: 50 North Main St., Suffield, CT Sample Description: EC Door Header Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-19 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-17

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:21	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:21	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:21	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:21	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:21	AYH
Aroclor-1254 [2]	0.78	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:21	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:21	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:21	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:21	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.1	30-150		2/12/19 19:21
Decachlorobiphenyl [2]	105	30-150		2/12/19 19:21
Tetrachloro-m-xylene [1]	77.7	30-150		2/12/19 19:21
Tetrachloro-m-xylene [2]	88.9	30-150		2/12/19 19:21

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Project Location: 50 North Main St., Suffield, CT Sample Description: ELLL Door Header Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-20 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-18

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:33	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:33	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:33	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:33	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:33	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:33	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:33	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:33	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:33	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		2/12/19 19:33
Decachlorobiphenyl [2]	106	30-150		2/12/19 19:33
Tetrachloro-m-xylene [1]	80.7	30-150		2/12/19 19:33
Tetrachloro-m-xylene [2]	92.8	30-150		2/12/19 19:33

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Project Location: 50 North Main St., Suffield, CT Sample Description: ELLL Door Header Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-21 Sampled: 2/6/2019 12:00

Sample ID: 19B0234-19

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:45	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:45	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:45	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:45	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:45	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:45	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:45	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:45	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:45	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		2/12/19 19:45
Decachlorobiphenyl [2]	109	30-150		2/12/19 19:45
Tetrachloro-m-xylene [1]	79.9	30-150		2/12/19 19:45
Tetrachloro-m-xylene [2]	92.1	30-150		2/12/19 19:45

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Project Location: 50 North Main St., Suffield, CT | Sample Description: | Work Order: 19B0234

Date Received: 2/6/2019

Field Sample #: 20190206-Wipe-21-B | Sampled: 2/6/2019 12:00

Sample ID: 19B0234-20

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:58	AYH
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:58	AYH
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:58	AYH
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:58	AYH
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:58	AYH
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:58	AYH
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:58	AYH
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:58	AYH
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/8/19	2/12/19 19:58	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		2/12/19 19:58
Decachlorobiphenyl [2]	110	30-150		2/12/19 19:58
Tetrachloro-m-xylene [1]	78.4	30-150		2/12/19 19:58
Tetrachloro-m-xylene [2]	90.0	30-150		2/12/19 19:58

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
19B0234-01 [20190206-Wipe-03]	B223147	1.00	10.0	02/08/19
19B0234-02 [20190206-Wipe-04]	B223147	1.00	10.0	02/08/19
19B0234-03 [20190206-Wipe-05]	B223147	1.00	10.0	02/08/19
19B0234-04 [20190206-Wipe-06]	B223147	1.00	10.0	02/08/19
19B0234-05 [20190206-Wipe-07]	B223147	1.00	10.0	02/08/19
19B0234-06 [20190206-Wipe-08]	B223147	1.00	10.0	02/08/19
19B0234-07 [20190206-Wipe-09]	B223147	1.00	10.0	02/08/19
19B0234-08 [20190206-Wipe-10]	B223147	1.00	10.0	02/08/19
19B0234-09 [20190206-Wipe-11]	B223147	1.00	10.0	02/08/19
19B0234-10 [20190206-Wipe-12]	B223147	1.00	10.0	02/08/19
19B0234-11 [20190206-Wipe-13]	B223147	1.00	10.0	02/08/19
19B0234-12 [20190206-Wipe-14]	B223147	1.00	10.0	02/08/19
19B0234-13 [20190206-Wipe-15]	B223147	1.00	10.0	02/08/19
19B0234-14 [20190206-Wipe-16]	B223147	1.00	10.0	02/08/19
19B0234-15 [20190206-Wipe-17]	B223147	1.00	10.0	02/08/19
19B0234-16 [20190206-Wipe-18]	B223147	1.00	10.0	02/08/19
19B0234-17 [20190206-Wipe-19]	B223147	1.00	10.0	02/08/19
19B0234-18 [20190206-Wipe-20]	B223147	1.00	10.0	02/08/19
19B0234-19 [20190206-Wipe-21]	B223147	1.00	10.0	02/08/19
19B0234-20 [20190206-Wipe-21-B]	B223147	1.00	10.0	02/08/19

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B223147 - SW-846 3540C										
Blank (B223147-BLK1)				Prepared: 02/08/19 Analyzed: 02/12/19						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*2.07*		µg/Wipe	2.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.21*		µg/Wipe	2.00		111	30-150			
Surrogate: Tetrachloro-m-xylene	*1.64*		µg/Wipe	2.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.88*		µg/Wipe	2.00		94.1	30-150			
LCS (B223147-BS1)				Prepared: 02/08/19 Analyzed: 02/12/19						
Aroclor-1016	0.47	0.20	µg/Wipe	0.500		94.3	40-140			
Aroclor-1016 [2C]	0.53	0.20	µg/Wipe	0.500		105	40-140			
Aroclor-1260	0.44	0.20	µg/Wipe	0.500		87.3	40-140			
Aroclor-1260 [2C]	0.46	0.20	µg/Wipe	0.500		92.8	40-140			
Surrogate: Decachlorobiphenyl	*2.03*		µg/Wipe	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.17*		µg/Wipe	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene	*1.60*		µg/Wipe	2.00		80.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.83*		µg/Wipe	2.00		91.7	30-150			
LCS Dup (B223147-BSD1)				Prepared: 02/08/19 Analyzed: 02/12/19						
Aroclor-1016	0.46	0.20	µg/Wipe	0.500		92.8	40-140	1.59	30	
Aroclor-1016 [2C]	0.52	0.20	µg/Wipe	0.500		104	40-140	1.56	30	
Aroclor-1260	0.43	0.20	µg/Wipe	0.500		85.4	40-140	2.20	30	
Aroclor-1260 [2C]	0.46	0.20	µg/Wipe	0.500		91.3	40-140	1.63	30	
Surrogate: Decachlorobiphenyl	*1.94*		µg/Wipe	2.00		97.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.08*		µg/Wipe	2.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*1.54*		µg/Wipe	2.00		76.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.77*		µg/Wipe	2.00		88.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20190106-Wipe-09

Lab Sample ID: 19B0234-07 Date(s) Analyzed: 02/12/2019 02/12/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.74	5.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20190106-Wipe-11

Lab Sample ID: 19B0234-09 Date(s) Analyzed: 02/12/2019 02/12/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.67	
	2	0.000	0.000	0.000	0.72	7.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20190106-Wipe-12

Lab Sample ID: 19B0234-10 Date(s) Analyzed: 02/12/2019 02/12/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.4	15.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20190106-Wipe-13

Lab Sample ID: 19B0234-11 Date(s) Analyzed: 02/12/2019 02/12/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.20	
	2	0.000	0.000	0.000	0.22	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20190106-Wipe-14

Lab Sample ID: 19B0234-12 Date(s) Analyzed: 02/12/2019 02/12/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.25	
	2	0.000	0.000	0.000	0.27	7.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20190106-Wipe-18

Lab Sample ID: 19B0234-16 Date(s) Analyzed: 02/12/2019 02/12/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.4	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20190106-Wipe-19

Lab Sample ID: 19B0234-17 Date(s) Analyzed: 02/12/2019 02/12/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.76	
	2	0.000	0.000	0.000	0.78	2.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B223147-BS1 Date(s) Analyzed: 02/12/2019 02/12/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.47	
	2	0.000	0.000	0.000	0.53	12.0
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.46	4.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B223147-BSD1 Date(s) Analyzed: 02/12/2019 02/12/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.52	12.2
Aroclor-1260	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.46	6.7

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

1980234

SLH

PCB Wipe Sample Chain of Custody Form

Project Name: Town of Suffield
Project No. 20151259.A50 task 38
Date: 02/6/19
Site Address: 50 North Main Street, Suffield, CT
Building Name: Kent Memorial Library
Project Manager: Helen Rimsa

	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
1	20190206-Wipe-01	Interior Lower Level South	Granite Sill	100 SQ CM	G
2	20190206-Wipe-02	Interior Lower Level South	Granite Sill	100 SQ CM	G
3	20190206-Wipe-03	Exterior Lower Level South	Granite Sill	100 SQ CM	G
4	20190206-Wipe-04	Exterior Upper Level South	Granite Sill	100 SQ CM	G
5	20190206-Wipe-05	Exterior Upper Level South	Granite Sill Duplicate	100 SQ CM	G
6	20190206-Wipe-06	Exterior Upper Level South	Soffit	100 SQ CM	G
7	20190206-Wipe-07	Exterior Upper Level South	Soffit	100 SQ CM	
8	20190206-Wipe-08	Exterior Garden Courtyard	Column	100 SQ CM	G
9	20190206-Wipe-09	Exterior Upper Level Center	Granite Sill	100 SQ CM	
10	20190206-Wipe-10	Exterior Upper Level Center	Granite Sill	100 SQ CM	
11	20190206-Wipe-11	Exterior Upper Level North	Granite Sill	100 SQ CM	G
12	20190206-Wipe-12	Exterior Upper Level North	Granite Sill	100 SQ CM	G
13	20190206-Wipe-13	Exterior Upper Level North	Soffit	100 SQ CM	G
14	20190206-Wipe-14	Exterior Upper Level North	Soffit	100 SQ CM	G
15	20190206-Wipe-15	Exterior Lower Level North	Granite Sill	100 SQ CM	G
16	20190206-Wipe-16	Exterior Lower Level North	Granite Sill	100 SQ CM	G
17	20190206-Wipe-17	Exterior Lower Level North	Granite Sill-Duplicate	100 SQ CM	G

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PCB Wipe Sample Chain of Custody Form

Project Name: Town of Suffield Project No. 20151259.A50 Date: 02/6/19

Site Address: 50 North Main Street, Suffield, CT Building Name: Kent Memorial Library Project Manager: Helen Rimsa

	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
16	20190206-Wipe-18	Exterior Courtyard	Door Header	100 SQ CM	G
17	20190206-Wipe-18	Exterior Courtyard	Door Header	100 SQ CM	G
18	20190206-Wipe-20	Exterior Lower Level Lobby	Door Header	100 SQ CM	G
19	20190206-Wipe-21	Exterior Lower Level Lobby	Door Header	100 SQ CM	G
20	20190206-21 ~ B	Field Blank	~	~	~

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: Contest Turnaround Time: sample **01 + 02-48 hours TATand samples 02-21 5-day TAT**

Fax Results to the Fuss & O'Neill Laboratory at: 888-838-1160. E-Mail PDF of Results to hrimsa @fando.com.

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: Paul Bateman **Contact Info:** _____ **Date:** 2/6/19 **Time:** 12:00

Relinquished [By][To] [Paul Bateman Paul Bateman **][** [illegible] 10.1 FB **] Date:** 2/6/19 **Time:** 16:05

Relinquished [By][To] [_____ **][** _____ **] Date:** _____ **Time:** _____

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Rebecca Faust

From: Jessica Hoffman
Sent: Wednesday, February 06, 2019 4:48 PM
To: Rebecca Faust
Subject: FW: Kent library

Please click on survey link below for a quick survey.

Have a great day,

Jessica Hoffman
Project Manager
Con-Test Analytical Laboratory
40 Spruce Street., East Longmeadow, MA 01028
Phone: 413.525.2332 x56 | Email: jessica.hoffman@contestlabs.com

www.contestlabs.com | See us on:

View your sample results on our website. Contact your project manager for more information.
We value your feedback.

Con-Test is committed to quality and continuously improving deliverables and services to our clients. Complete the short survey regarding your experience with Con-Test using the following link:

Each entry will be entered for a [redacted] card in a monthly drawing [redacted]

From: Helen Rimsa <HRimsa@fando.com>
Sent: Wednesday, February 06, 2019 4:44 PM
To: Jessica Hoffman <jessica.hoffman@contestlabs.com>
Subject: RE: Kent library

Hello Jessica,

Thanks for reaching out! Yes, samples 01 and 02 have a TAT of 48 hours, the remaining samples have a 5 day TAT.

Helen Rimsa
Senior Scientist
Fuss & O'Neill, Inc. | 146 Hartford Road | Manchester, CT 06040

860.646.2469 x5396 | hrimsa@fando.com | cell: 860.977.3468
www.fando.com | twitter | facebook | linkedin

From: Jessica Hoffman [mailto:jessica.hoffman@contestlabs.com]
Sent: Wednesday, February 6, 2019 4:32 PM
To: Helen Rimsa <HRimsa@fando.com>
Subject: Kent library

Good afternoon Helen,

Could you look at the tat requested for me on the attached chain. We just want to check do you need sample 2 on a 2 day or 5 day tat?

Please click on survey link below for a quick survey.

Have a great day,

Jessica Hoffman
Project Manager
Con-Test Analytical Laboratory
40 Spruce Street., East Longmeadow, MA 01028
Phone: 413.525.2332 x56 | Email: jessica.hoffman@contestlabs.com

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View your sample results on our website. Contact your project manager for more information.
We value your feedback.

Con-Test is committed to quality and continuously improving deliverables and services to our clients. Complete the short survey regarding your experience with Con-Test using the following link:

Each entry will be entered for a [redacted] card in a monthly drawing [redacted]

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client F+O

Received By SL Date 2/6/19 Time ~~1300~~ 1605

How were the samples received? In Cooler _____ No Cooler T On Ice _____ No Ice T
Direct from Sampling T Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C F By Gun # 1 Actual Temp - 10.1
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Project T Analysis ~~T~~ T ID's T Sampler Name T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	20
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Appendix V

Wipe Sampling Laboratory Report and Chain of Custody 2/18/19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

February 20, 2019

Bob May
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St., Suffield, CT
Client Job Number:
Project Number: 20151259.A2E
Laboratory Work Order Number: 19B0767

Enclosed are results of analyses for samples received by the laboratory on February 18, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Bob May

REPORT DATE: 2/20/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A2E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19B0767

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St., Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
2-18-PB-01	19B0767-01	Wipe	Exterior Upper Level-North	SW-846 8082A	
2-18-PB-02	19B0767-02	Wipe	Exterior Courtyard	SW-846 8082A	
2-18-PB-03	19B0767-03	Wipe	Exterior Upper Level-North Duplicate	SW-846 8082A	
2-18-PB-04	19B0767-04	Wipe	Blank	SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Exterior Upper Level-North Work Order: 19B0767

Date Received: 2/18/2019

Field Sample #: 2-18-PB-01 Sampled: 2/18/2019 00:00

Sample ID: 19B0767-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:06	JMB
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:06	JMB
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:06	JMB
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:06	JMB
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:06	JMB
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:06	JMB
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:06	JMB
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:06	JMB
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.8	30-150		2/19/19 19:06
Decachlorobiphenyl [2]	107	30-150		2/19/19 19:06
Tetrachloro-m-xylene [1]	80.1	30-150		2/19/19 19:06
Tetrachloro-m-xylene [2]	86.4	30-150		2/19/19 19:06

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Project Location: 50 North Main St., Suffield, CT Sample Description: Exterior Courtyard Work Order: 19B0767

Date Received: 2/18/2019

Field Sample #: 2-18-PB-02 Sampled: 2/18/2019 00:00

Sample ID: 19B0767-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:23	JMB
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:23	JMB
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:23	JMB
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:23	JMB
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:23	JMB
Aroclor-1254 [1]	1.4	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:23	JMB
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:23	JMB
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:23	JMB
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.3	30-150		2/19/19 19:23
Decachlorobiphenyl [2]	100	30-150		2/19/19 19:23
Tetrachloro-m-xylene [1]	76.7	30-150		2/19/19 19:23
Tetrachloro-m-xylene [2]	81.2	30-150		2/19/19 19:23

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Project Location: 50 North Main St., Suffield, CT Sample Description: Exterior Upper Level-North Duplicate Work Order: 19B0767

Date Received: 2/18/2019

Field Sample #: 2-18-PB-03 Sampled: 2/18/2019 00:00

Sample ID: 19B0767-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:41	JMB
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:41	JMB
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:41	JMB
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:41	JMB
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:41	JMB
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:41	JMB
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:41	JMB
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:41	JMB
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.8	30-150		2/19/19 19:41
Decachlorobiphenyl [2]	106	30-150		2/19/19 19:41
Tetrachloro-m-xylene [1]	78.0	30-150		2/19/19 19:41
Tetrachloro-m-xylene [2]	84.1	30-150		2/19/19 19:41

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St., Suffield, CT Sample Description: Blank Work Order: 19B0767

Date Received: 2/18/2019

Field Sample #: 2-18-PB-04 Sampled: 2/18/2019 00:00

Sample ID: 19B0767-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:59	JMB
Aroclor-1221 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:59	JMB
Aroclor-1232 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:59	JMB
Aroclor-1242 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:59	JMB
Aroclor-1248 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:59	JMB
Aroclor-1254 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:59	JMB
Aroclor-1260 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:59	JMB
Aroclor-1262 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:59	JMB
Aroclor-1268 [1]	ND	0.20	µg/100 cm2	1		SW-846 8082A	2/18/19	2/19/19 19:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.3	30-150		2/19/19 19:59
Decachlorobiphenyl [2]	94.8	30-150		2/19/19 19:59
Tetrachloro-m-xylene [1]	72.7	30-150		2/19/19 19:59
Tetrachloro-m-xylene [2]	77.0	30-150		2/19/19 19:59

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
19B0767-01 [2-18-PB-01]	B223788	1.00	10.0	02/18/19
19B0767-02 [2-18-PB-02]	B223788	1.00	10.0	02/18/19
19B0767-03 [2-18-PB-03]	B223788	1.00	10.0	02/18/19
19B0767-04 [2-18-PB-04]	B223788	1.00	10.0	02/18/19

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B223788 - SW-846 3540C										
Blank (B223788-BLK1)				Prepared: 02/18/19 Analyzed: 02/19/19						
Aroclor-1016	ND	0.20	µg/100 cm2							
Aroclor-1016 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1221	ND	0.20	µg/100 cm2							
Aroclor-1221 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1232	ND	0.20	µg/100 cm2							
Aroclor-1232 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1242	ND	0.20	µg/100 cm2							
Aroclor-1242 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1248	ND	0.20	µg/100 cm2							
Aroclor-1248 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1254	ND	0.20	µg/100 cm2							
Aroclor-1254 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1260	ND	0.20	µg/100 cm2							
Aroclor-1260 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1262	ND	0.20	µg/100 cm2							
Aroclor-1262 [2C]	ND	0.20	µg/100 cm2							
Aroclor-1268	ND	0.20	µg/100 cm2							
Aroclor-1268 [2C]	ND	0.20	µg/100 cm2							
Surrogate: Decachlorobiphenyl	*1.65*		µg/100 cm2	2.00		82.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.89*		µg/100 cm2	2.00		94.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.58*		µg/100 cm2	2.00		79.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.72*		µg/100 cm2	2.00		86.1	30-150			
LCS (B223788-BS1)				Prepared: 02/18/19 Analyzed: 02/19/19						
Aroclor-1016	0.41	0.20	µg/100 cm2	0.500		81.7	40-140			
Aroclor-1016 [2C]	0.40	0.20	µg/100 cm2	0.500		79.8	40-140			
Aroclor-1260	0.31	0.20	µg/100 cm2	0.500		62.1	40-140			
Aroclor-1260 [2C]	0.34	0.20	µg/100 cm2	0.500		68.1	40-140			
Surrogate: Decachlorobiphenyl	*1.30*		µg/100 cm2	2.00		65.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.48*		µg/100 cm2	2.00		74.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.27*		µg/100 cm2	2.00		63.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.39*		µg/100 cm2	2.00		69.6	30-150			
LCS Dup (B223788-BSD1)				Prepared: 02/18/19 Analyzed: 02/19/19						
Aroclor-1016	0.50	0.20	µg/100 cm2	0.500		99.6	40-140	19.7	30	
Aroclor-1016 [2C]	0.51	0.20	µg/100 cm2	0.500		102	40-140	24.7	30	
Aroclor-1260	0.41	0.20	µg/100 cm2	0.500		81.6	40-140	27.1	30	
Aroclor-1260 [2C]	0.44	0.20	µg/100 cm2	0.500		87.8	40-140	25.2	30	
Surrogate: Decachlorobiphenyl	*1.75*		µg/100 cm2	2.00		87.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.98*		µg/100 cm2	2.00		99.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.67*		µg/100 cm2	2.00		83.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.81*		µg/100 cm2	2.00		90.4	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

2-18-PB-02

Lab Sample ID: 19B0767-02 Date(s) Analyzed: 02/19/2019 02/19/2019

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	1.4	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B223788-BS1 Date(s) Analyzed: 02/19/2019 02/19/2019

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.40	2.5
Aroclor-1260	1	0.000	0.000	0.000	0.31	
	2	0.000	0.000	0.000	0.34	9.2

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B223788-BSD1 Date(s) Analyzed: 02/19/2019 02/19/2019

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.51	2.0
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.44	7.1

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

1930767

JLH

PCB Wipe Sample Chain of Custody Form

Sheet 1 of 1

Project Name: Town of Suffield   Project No. 20151259.A50   Date: 02/18/19

Site Address: 50 North Main Street, Suffield, CT   Building Name: Kent Memorial Library   Project Manager: Helen Rimsa

	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
01	2-18-PB-01	Exterior Upper Level -North	Granite sill	100 SQ CM	G
02	2-18-PB-02	Exterior Courtyard	Door Header	100 SQ CM	G
03	2-18-PB-03	Exterior Upper Level --North Duplicate	Granite sill	100 SQ CM	G
04	2-18-PB-04	Blank	-		G

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: Con-test   Turnaround Time: 48 Hour TAT

(48-Hour is Fastest)

Fax Results to the Fuss & O'Neill Laboratory at: 888-838-1160. E-Mail PDF of Results to hrimsa @fando.com.

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: Paul Bateman **Contact Info:** ______ **Date:** 2/18/19 **Time:** 12:00

Relinquished [By][To] [Paul Bateman/ Paul Bateman][______] **Date:** 2/18/19 **Time:** ______

Relinquished [By][To] [______][[signature] 7.5°C PB] **Date:** 2/18 **Time:** 857

P2015\1259\A50\Lab Data\COCs\PCB Chains of Custody\Exterior_PCB Wipe CoC_rewipe_20190218.docx

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fuss & O'Neill

Received By RLF Date 2/18/19 Time 857

How were the samples received? In Cooler ____ No Cooler T On Ice ____ No Ice T
Direct from Sampling T Ambient ____ Melted Ice ____
By Gun # 2 Actual Temp - 7.5 C
Were samples within Temperature? 2-6°C F By Blank # ____ Actual Temp - ____
Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? ____
Are there Rushes? T Who was notified? Ashly
Are there Short Holds? F Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:			#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	4
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Appendix W

Wipe Sampling Laboratory Report and Chain of Custody 2/22/19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

February 26, 2019

Helen Risma
Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040

Project Location: 50 North Main St. Suffield, CT
Client Job Number:
Project Number: 20151259.A50
Laboratory Work Order Number: 19B1022

Enclosed are results of analyses for samples received by the laboratory on February 22, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

Table of Contents

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Manchester
146 Hartford Road
Manchester, CT 06040
ATTN: Helen Risma

REPORT DATE: 2/26/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20151259.A50

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19B1022

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 50 North Main St. Suffield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20190222-HR-01	19B1022-01	Wipe	Courtyard Header Concrete	SW-846 8082A	
20190222-HR-02	19B1022-02	Wipe		SW-846 8082A	

con-test® ANALYTICAL LABORATORY
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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT Sample Description: Courtyard Header Concrete Work Order: 19B1022

Date Received: 2/22/2019

Field Sample #: 20190222-HR-01 Sampled: 2/22/2019 12:00

Sample ID: 19B1022-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 10:53	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 10:53	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 10:53	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 10:53	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 10:53	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 10:53	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 10:53	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 10:53	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 10:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.0	30-150		2/25/19 10:53
Decachlorobiphenyl [2]	90.6	30-150		2/25/19 10:53
Tetrachloro-m-xylene [1]	94.0	30-150		2/25/19 10:53
Tetrachloro-m-xylene [2]	93.2	30-150		2/25/19 10:53

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50 North Main St. Suffield, CT | Sample Description: | Work Order: 19B1022

Date Received: 2/22/2019

Field Sample #: 20190222-HR-02 | Sampled: 2/22/2019 12:00

Sample ID: 19B1022-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 11:06	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 11:06	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 11:06	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 11:06	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 11:06	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 11:06	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 11:06	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 11:06	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	2/22/19	2/25/19 11:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		2/25/19 11:06
Decachlorobiphenyl [2]	92.4	30-150		2/25/19 11:06
Tetrachloro-m-xylene [1]	94.7	30-150		2/25/19 11:06
Tetrachloro-m-xylene [2]	93.4	30-150		2/25/19 11:06

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
19B1022-01 [20190222-HR-01]	B224221	1.00	10.0	02/22/19
19B1022-02 [20190222-HR-02]	B224221	1.00	10.0	02/22/19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B224221 - SW-846 3540C										
Blank (B224221-BLK1)				Prepared: 02/22/19 Analyzed: 02/25/19						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.77*		µg/Wipe	2.00		88.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.78*		µg/Wipe	2.00		88.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.92*		µg/Wipe	2.00		96.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.91*		µg/Wipe	2.00		95.3	30-150			
LCS (B224221-BS1)				Prepared: 02/22/19 Analyzed: 02/25/19						
Aroclor-1016	0.59	0.20	µg/Wipe	0.500		117	40-140			
Aroclor-1016 [2C]	0.62	0.20	µg/Wipe	0.500		124	40-140			
Aroclor-1260	0.48	0.20	µg/Wipe	0.500		96.2	40-140			
Aroclor-1260 [2C]	0.47	0.20	µg/Wipe	0.500		93.1	40-140			
Surrogate: Decachlorobiphenyl	*1.81*		µg/Wipe	2.00		90.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.87*		µg/Wipe	2.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.92*		µg/Wipe	2.00		96.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.91*		µg/Wipe	2.00		95.7	30-150			
LCS Dup (B224221-BSD1)				Prepared: 02/22/19 Analyzed: 02/25/19						
Aroclor-1016	0.60	0.20	µg/Wipe	0.500		120	40-140	2.44	30	
Aroclor-1016 [2C]	0.61	0.20	µg/Wipe	0.500		122	40-140	1.59	30	
Aroclor-1260	0.51	0.20	µg/Wipe	0.500		102	40-140	6.13	30	
Aroclor-1260 [2C]	0.51	0.20	µg/Wipe	0.500		102	40-140	9.37	30	
Surrogate: Decachlorobiphenyl	*1.89*		µg/Wipe	2.00		94.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.95*		µg/Wipe	2.00		97.3	30-150			
Surrogate: Tetrachloro-m-xylene	*2.04*		µg/Wipe	2.00		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.02*		µg/Wipe	2.00		101	30-150			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B224221-BS1 Date(s) Analyzed: 02/25/2019 02/25/2019

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.59	
	2	0.000	0.000	0.000	0.62	5.0
Aroclor-1260	1	0.000	0.000	0.000	0.48	
	2	0.000	0.000	0.000	0.47	2.1

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B224221-BSD1 Date(s) Analyzed: 02/25/2019 02/25/2019

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.60	
	2	0.000	0.000	0.000	0.61	1.7
Aroclor-1260	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.51	0.0

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

1913022

JLH

PCB Wipe Sample Chain of Custody Form

Project Name: Town of Suffield Project No. 20151259.A50 Date: 02/22/19

Site Address: 50 North Main Street, Suffield, CT Building Name: Kent Memorial Library Project Manager: Helen Rimsa

	Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
1	20190222-HR-01	Courtyard Header	concrete	100 SQ CM	G
2	20190222-HR-02	Field Blank	--	100 SQ CM	G

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: _____ Turnaround Time: 2- day (48-Hour is Fastest)

Fax Results to the Fuss & O'Neill Laboratory at: 888-838-1160. E-Mail PDF of Results to hrimsa @fando.com.

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: Helen Rimsa **Contact Info:** 860-977-9468 **Date:** 2/22/19 **Time:** 12:00

Relinquished [By][To] Helen Rimsa Helen Rimsa **Date:** 2/22/19 **Time:** _____

Relinquished [By][To] 12.8 HK **Date:** 2/22/19 **Time:** 1346

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Fuss + O'neill

Received By RAT Date 2/22/19 Time 1346

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling T Ambient _____ Melted Ice _____

By Gun # 1 Actual Temp - 12.8

Were samples within Temperature? 2-6°C F By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? Mike M

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	2
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Appendix X

Waste Shipment Records

327041

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
40CFRPART761	1	860-875-2110	TRI 002038

GENERATOR

5. Generator's Name and Mailing Address

Town of Suffield
83 Mountain Road
Suffield CT 06078

Generator's Phone: 860 668 3851

Generator's Site Address (if different than mailing address)

Kent Memorial Library
50 North Main Street
Suffield CT 06078

6. Transporter 1 Company Name

Tri-S Environmental Services, Inc.

U.S. EPA ID Number: CTD016424210

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Minerva Enterprises, LLC
8965 Minerva Road SE
Waynesburg

EPA Region 1
1 Congress St. 617-918-111
Boston, MA 02114-2023

Facility's Phone: 330 868-9435

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NA 2212, Asbestos 9, PGIII (PCB Bulk Product Waste > 50 ppm	001	CM	20	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

1)1)(PCB Bulk Product Waste) ERG # 171 Contractor: HazPros, Inc. 125A Brook Street, West Hartford CT 06110 PHONE 860-232-2225 Job# 15-011

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Michael Conlon | Signature | Month: 4 | Day: 21 | Year: 16

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gary Hayward | Signature | Month: 4 | Day: 21 | Year: 16

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Kim Pelkey | Signature | Month: 4 | Day: 22 | Year: 16

322861

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 40CFRPART761 | 2. Page 1 of: 1 | 3. Emergency Response Phone: 860-875-2110 | 4. Waste Tracking Number: TRI 000938

GENERATOR

5. Generator's Name and Mailing Address
Town of Suffield
83 Mountain Road
Suffield CT 06078
Generator's Phone: 860 668-3851

Generator's Site Address (if different than mailing address)
Kent Memorial Library
50 North Main Street
Suffield CT 06078

6. Transporter 1 Company Name: Tri-S Environmental Services, Inc. | U.S. EPA ID Number: CTD016424210

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address | U.S. EPA ID Number
Minerva Enterprises, LLC
8955 Minerva Road SE
Waynesburg
Facility's Phone: 330 868-3435
EPA Region 1
1 Congress St. 617-918-111
Boston, MA 02114-2023

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NA 2212,Asbestos 9,PGIII (PCB Bulk Product Waste > 50 ppm	001	CM	30	CY
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
1)1)(PCB Bulk Product Waste) ERG # 171 Contractor: HazPros, Inc. 125A Brook Street, West Hartford, CT 06110 PHONE: 860-232-2225 Job# 15-011

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jeff Brodaski (EBI) | Signature: (EBI) | Month: 11 | Day: 10 | Year: 15

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gary Rodrigue | Signature | Month: 11 | Day: 10 | Year: 15

Transporter 2 Printed/Typed Name: Peter A. McDyer | Signature | Month: 11 | Day: 12 | Year: 15

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Kim Roberts | Signature | Month: 11 | Day: 13 | Year: 15

323004

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
40CFRPART761	1	860-876-2110	TRI 000939

GENERATOR

5. Generator's Name and Mailing Address

Town of Suffield
83 Mountain Road
Suffield CT 06078

Generator's Phone: 860 668-3851

Generator's Site Address (if different than mailing address)

Kent Memorial Library
50 North Main Street
Suffield CT 06078

6. Transporter 1 Company Name — U.S. EPA ID Number

Tri-S Environmental Services, Inc. — CTD016424210

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Minerva Enterprises, LLC
8955 Minerva Road SE
Waynesburg

EPA Region 1
1 Congress St. 617-918-111
Boston, MA 02114-2023

Facility's Phone: 330 866-3435

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NA 2212,Asbestos 9,PGIII (PCB Bulk Product Waste > 50 ppm	001	CM	30	yd	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

1)1)(PCB Bulk Product Waste) ERG # 171 Contractor: HazPros, Inc. 125A Brook Street, West Hartford, CT 06110 PHONE: 860-232-2225 Job# 15-011

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jeff Brodinski (EBI) — Signature: EBI — Month: 11 — Day: 10 — Year: 15

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gunny Rodrigue — Signature — Month: 11 — Day: 10 — Year: 15

Transporter 2 Printed/Typed Name: Peter McGee — Signature — Month: 11 — Day: 16 — Year: 15

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Shane — Signature — Month: 11 — Day: 17 — Year: 15

169-BLS-C 5 11979 (Rev. 8/06)

DESIGNATED FACILITY TO GENERATOR

323324

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
40CFRPART761	1	860-875-2110	TRI 000940

5. Generator's Name and Mailing Address

Town of Suffield
83 Mountain Road
Suffield CT 06078

Generator's Phone: 860 668-3851

Generator's Site Address (if different than mailing address)

Kent Memorial Library
50 North Main Street
Suffield CT 06078

6. Transporter 1 Company Name — U.S. EPA ID Number

Tri-S Environmental Services, Inc. — CTD016424210

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Minerva Enterprises, LLC
8955 Minerva Road SE
Waynesburg

EPA Region 1
1 Congress St. 617-918-111
Boston, MA 02114-2023

Facility's Phone: 330 868-3435

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NA 2212,Asbestos 9,PGIII (PCB Bulk Product Waste > 50 ppm	001	CM	30	yd	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

1)1)(PCB Bulk Product Waste) ERG # 171 Contractor: HazPros, Inc. 125A Brook Street, West Hartford, CT 06110 PHONE: 860-232-2225 Job# 15-011

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jeff Brodaski (EBI) — Signature: (EBI) — Month 11 Day 18 Year 15

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Danny Rodriguez — Signature: — Month 11 Day 18 Year 15

Transporter 2 Printed/Typed Name: Peter McDyer — Signature: — Month 11 Day 23 Year 15

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Kim Roberts — Signature: — Month 11 Day 24 Year 15

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

323501

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
40CFRPART761	1	860-875-2110	TRI 000941

GENERATOR

5. Generator's Name and Mailing Address

Town of Suffield
83 Mountain Road
Suffield CT 06078

Generator's Phone: 860 668-3851

Generator's Site Address (if different than mailing address)

Kent Memorial Library
50 North Main Street
Suffield CT 06078

6. Transporter 1 Company Name — U.S. EPA ID Number

Tri-S Environmental Services, Inc. — CTD016424210

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Minerva Enterprises, LLC
8955 Minerva Road SE
Waynesburg

EPA Region 1
1 Congress St. 617-918-111
Boston, MA 02114-2023

Facility's Phone: 330 868-3435

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NA 2212,Asbestos 9,PGIII (PCB Bulk Product Waste > 50 ppm	001	cm	30	yd	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

1)1)(PCB Bulk Product Waste) ERG # 171 Contractor: HazPros, Inc. 125A Brook Street, West Hartford, CT 06110 PHONE: 860-232-2225 Job# 15-011

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jeff Brodaski — Signature: [signature] ERI — Month / Day / Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gary Rodrigue — Signature: [signature] — Month 11 / Day 18 / Year 15

Transporter 2 Printed/Typed Name: Peter McDyer — Signature: [signature] — Month 11 / Day 30 / Year 15

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month / Day / Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Kim Roberts — Signature: [signature] — Month 12 / Day 1 / Year 15

324181

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
40CFRPART761	1	860-875-2110	TRI 002001

GENERATOR

5. Generator's Name and Mailing Address
Town of Suffield
83 Mountain Road
Suffield CT 06078
Generator's Phone: 860 668-3851

Generator's Site Address (if different than mailing address)
Kent Memorial Library
50 North Main Street
Suffield CT 06078

6. Transporter 1 Company Name
Tri-S Environmental Services, Inc.
U.S. EPA ID Number: CTD016424210

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Minerva Enterprises, LLC
8955 Minerva Road SE
Waynesburg
Facility's Phone: 330 868-3435
EPA Region 1
1 Congress St. 617-918-111
Boston, MA 02114-2023
U.S. EPA ID Number:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NA 2212,Asbestos 9,PGIII (PCB Bulk Product Waste > 50 ppm	001	CM	30	yd
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
1)1)(PCB Bulk Product Waste) ERG # 171 Contractor: HazPros, Inc. 125A Brook Street, West Hartford, CT 06110 PHONE: 860-232-2225 Job# 15-011

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Jeff Brodnicki
Signature:
Month 12 Day 10 Year 15

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gary Rodrigue
Signature:
Month 12 Day 10 Year 15

Transporter 2 Printed/Typed Name: Peter A. McDyer
Signature:
Month 12 Day 16 Year 15

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: S Dunne
Signature:
Month 12 Day 17 Year 15

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

35243

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
40CFRPART761	1	860-257-6300	001002721RED

GENERATOR

5. Generator's Name and Mailing Address

Town of Suffield
83 Mountain Road
Suffield, CT 06078
Generator's Phone: (860) 668-3280

Generator's Site Address (if different than mailing address)

Town of Suffield
Kent Memorial Library 50 North Main Street
Suffield, CT 06078

6. Transporter 1 Company Name — U.S. EPA ID Number

RED Technologies, LLC. (Portland) — CTR000505958

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Minerva Enterprises, LLC
9000 Minerva Road
Waynesburg, OH 44688
Facility's Phone: 330-866-3435

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	UN3432, Polychlorinated biphenyls, solid, 9 , III, RQ (PCB Bulk Product Waste w/ NF Asbestos)	~~6~~ 3	DF	68	K
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information: Document D8893 Sales Order 1863 Job # 18-014, Weight is estimated

1)Profile#2403 PCB BULK PRODUCT WASTE >50 PPM W/ NON-FRIABLE ASBESTOS DOT ERG#171

OOS Date: 01-10-18 Unique ID #: ~~272165~~ 1-3 D8893

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Julie A Oakes — Signature — Month 01 Day 10 Year 18

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ed Rauszerski — Signature — Month 01 Day 10 Year 18

Transporter 2 Printed/Typed Name: TJR Transport LLC (860)801-5673 — Signature — Month 02 Day 02 Year 18

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month 2 Day 5 Year 18

354182

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number: 40CFRPART761	2. Page 1 of: 1	3. Emergency Response Phone: 860-257-6300	4. Waste Tracking Number: 001000371RED

GENERATOR

5. Generator's Name and Mailing Address
Town of Suffield
83 Mountain Road
Suffield, CT 06078
Generator's Phone: (860) 668-3280

Generator's Site Address (if different than mailing address)
Town of Suffield
Kent Memorial Library 50 North Main Street
Suffield, CT 06078

6. Transporter 1 Company Name: RED Technologies, LLC (Portland) — U.S. EPA ID Number: CTR000505958

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Minerva Enterprises, LLC
9000 Minerva Road
Waynesburg, OH 44688
Facility's Phone: 330-866-3435
U.S. EPA ID Number:

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. UN3432, Polychlorinated biphenyls, solid, 9 , III, RQ (PCB Bulk Product Waste w/ NF Asbestos)	20	DF	4000	P
2. UN3432, POLYCHLORINATED BIPHENYLS, Solid, 9, III, RQ (PCB BULK PRODUCT WASTE W/NF ASBESTOS)	002	D.M.	400	P
3.				
4.				

13. Special Handling Instructions and Additional Information
Document D8331 Sales Order 1863 Job # 11-148, Weight is estimated OOS DATE: 11-22-17 UNIQUE ID #: 0371 1-22
1)Profile#2403 PCB BULK PRODUCT WASTE >50 PPM W/ NON-FRIABLE ASBESTOS DOT ERG#171
20 x 30 2 X 55
D8395

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Julie A Oakes — Signature: x [signature] — Month 11 Day 22 Year 17

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ed CHAMBERLAIN — Signature: Ed Chamberlain — Month 11 Day 22 Year 17
Transporter 2 Printed/Typed Name: [illegible] 860-558-8882 — Signature: — Month 12 Day 5 Year 17

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: S Dunne — Signature: [signature] — Month 12 Day 6 Year 17

30yd 30131 187001

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

TR# 001005840RED

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	40CFRPART761	1	800.424.9300	001005840RED

GENERATOR

5. Generator's Name and Mailing Address

Town of Suffield
230C Mountain Road
Suffield, CT 06078
Generator's Phone: (860) 668-3280

Generator's Site Address (if different than mailing address)

Town of Suffield
Kent Memorial Library 50 North Main Street
Suffield, CT 06078

367790

6. Transporter 1 Company Name: RED Technologies, LLC (Portland) — U.S. EPA ID Number: CTR000505958

7. Transporter 2 Company Name: Clear Truckin LLC — U.S. EPA ID Number: NVR000237966

8. Designated Facility Name and Site Address

Minerva Enterprises, LLC
9000 Minerva Road
Waynesburg, OH 44688
Facility's Phone: 330-866-3435

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-RCRA, Non-DOT Regulated Material (PCB EXCLUDED WASTE)	001 ~~3~~	CM ~~DM~~	3,600	K
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information: Document D13017 Sales Order 2412 Job # 18-001, Weight is estimated

1)Profile#3346 PCB EXCLUDED WASTE W/ NF ASBESTOS OOS DATE: 9-14-18 UNIQUE ID #: 5840

Cas#30131

D13372

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Julie A Oakes — Signature: [signature] — Month: 10 Day: 17 Year: 18

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carl Sherman — Signature: [signature] — Month: 10 Day: 17 Year: 18

Transporter 2 Printed/Typed Name: Sean Clear 716-560-6685 — Signature: [signature] — Month: 10 Day: 23 Year: 18

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Kim Roberts — Signature: [signature] — Month: 10 Day: 24 Year: 18

#36354 288

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NOT REQUIRED	1		18-0437-1

GENERATOR

5. Generator's Name and Mailing Address
Town of Suffield c/o
Department of Public Works
230C Mountain Rd
Suffield, CT 06078
Generator's Phone: 860 668-3890

Generator's Site Address (if different than mailing address)
Kent Library
50 N Main St
Suffield, CT 06078

6. Transporter 1 Company Name: Graf Brothers Leasing — U.S. EPA ID Number: MAC300096278

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
WM Turnkey Landfill
90 Rochester Neck Rd
DES-SW-SP-95001
Rochester, NH 03839
Facility's Phone: 800 963-4776

U.S. EPA ID Number: NOT APPLICABLE

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	X UN3432, Polychlorinated Biphenyls, Solid, 9, PG II	1	CM		K	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
18-0437
Weight is Estimated
1) 496481NH PCB Bulk Product Waste

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Julie A. Oakes — Signature: [signature] — Month: 11 Day: 5 Year: 18

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: George Mallah — Signature: [signature] — Month: 11 Day: 5 Year: 18

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month: 11 Day: 5 Year: 18

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1268406

Customer Name STRATEGICENVIRONMENTAL STRATE Carrier SRAF GRAF
Ticket Date 11/05/2018 Vehicle# 288
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0113496
State Waste Code Gen EPA ID NOT REQUIRED
Manifest 0437 PO
Destination Profile 496481NH (PCB BULK PR
Generator NE-TOWNOFSUFFIELDDPW TOWN OF Operator Name eric metzler

	Time	Scale	Operator	Inbound		
In	11/05/2018 12:51:0	scale 2 ou	eric metzler		Gross	
Out	11/05/2018 14:17:5	scale 2 ou	eric metzler		Tare	4
					Net	2742
					Tons	13.

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Special Misc-Tons-	100	13.71	Tons				CT
2	EVF-P-Standard Env	100						CT
3	RCR P-Regulatory C	100						CT
4	LFS4-LANDFILL FIXE	100						CT

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature ____________________

404WM

CIM 252221 284

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NOT REQUIRED	1		18-0437-2

GENERATOR

5. Generator's Name and Mailing Address
Town of Suffield c/o
Department of Public Works
230C Mountain Rd
Suffield, CT 06078
Generator's Phone: 860 668-3890

Generator's Site Address (if different than mailing address)
Kent Library
50 N Main St
Suffield, CT 06078

6. Transporter 1 Company Name: Graf Brothers Leasing
U.S. EPA ID Number: MAC300096278

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
WM Turnkey Landfill
90 Rochester Neck Rd
DES-SW-SP-95001
Rochester, NH 03839
Facility's Phone: 800 963-4776
U.S. EPA ID Number: NOT APPLICABLE

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	X UN3432, Polychlorinated Biphenyls, Solid, 9, PG II	1	CM		K	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
18-0437
Weight is Estimated
1) 496481NH PCB Bulk Product Waste

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Julie A. Oakes
Signature
Month 11 Day 5 Year 18

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name
Signature
Month 11 Day 5 Year 18

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month 11 Day 13 Year 18

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Turnkey Landfill
38 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 363-0776

Original
Ticket# 1268405

Customer Name STRATEGICENVIRONMENTAL STRATE
Ticket Date 11/05/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 043:
Destination
Generator NE-TOWNOFSUFFIELDDPW TOWN OF

Carrier GRAF GRAF,
Vehicle# 284 Volume
Container
Driver
Check#
Billing # 0113496
Gen EPA ID NOT REQUIRED
PO
Profile 496481NH (PCB BULK PRODUCT DISPOS
Operator Name eric metzler

	Time	Scale	Operator	Inbound	Gross	66060 lb
In	11/05/2018 12:49:5	scale 2 pu	eric metzler		Tare	40740 lb
Out	11/05/2018 14:14:1	scale 2 pu	eric metzler		Net	25320 lb
					Tons	12.66

Comments

	Product	LDS	Qty	UOM	Rate	Fee	Amount	Origin
1	Special Misc-Tons	100	12.66	Tons				CT
2	ENF-P-Standard Env	100		%				
3	RLR-P-Regulatory C	100		%				
4	LFS+-LANDFILL FEE	100		%				

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature

404WM

280

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NOTREQUIRED	1		18-0437-4

GENERATOR

5. Generator's Name and Mailing Address
Town of Suffield
c/o Department of Public Works
230C Mountain Rd
Suffield, CT 06078
Generator's Phone: 860 668-3890

Generator's Site Address (if different than mailing address)
Kent Library
50 N Main St
Suffield, CT 06078

6. Transporter 1 Company Name: Graf Brothers Leasing — U.S. EPA ID Number: MAC300096278

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
WM Turnkey Landfill
90 Rochester Neck Rd
DES-SW-SP-95001
Rochester, NH 03839
Facility's Phone: 800 963-4776

U.S. EPA ID Number: NOT APPLICABLE

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
X	1. UN3432, Polychlorinated Biphenyls, Solid, 9, PG III	1	CM	13,636	KG P
	2.				
	3.				
	4.				

13. Special Handling Instructions and Additional Information
18-0437
Weight is Estimated
1) 496481MH PCB Bulk Product Waste

Unique container # 252201

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Julie A Oakes — Signature: [signature] — Month: 11 — Day: 30 — Year: 18

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: ~~George Milliken~~ Mark DeIsco II — Signature: [signature] — Month: 11 — Day: 29 — Year: 18

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month: 1 — Day: 3 — Year: 18

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket # 1273400

Customer Name STRATEGICENVIRONMENTAL STRATE
Ticket Date 11/30/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-TOWNOFSUFFIELDDPW TOWN OF

Carrier GRAF GRAF
Vehicle# 280 Volume
Container
Driver
Check#
Billing # 0113435
Gen EPA ID NOT REQUIRED
PO
Profile 495461NH (PCB BULK PRODUCT TOTSPOS
Operator Name Paula Bain

	Time	Scale	Operator	Inbound		
In	11/30/2018 11:03:13	scale 1	in eric wetzler		Gross	63140 lb
Out	11/30/2018 11:45:10	scale 2	ou Paula Bain		Tare	34740 lb
					Net	28400 lb
					Tons	14.45

Comments

	Product	LDF	Qty	UOM	Rate	Fee	Amount	Origin
1	Special Misc-Tons	100	14.45	Tons				CT
2	ENV-P-Standard Env	100	1	%				CT
3	RCR-F-Regulatory C	100	1	%				CT
4	LFS4-LANDFILL FIXE	100	1	%				CT

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature _____

404WM

Graf 288

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number: NOT REQUIRED	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number: 18-0437-3

5. Generator's Name and Mailing Address
Town of Suffield c/o
Department of Public Works
230C Mountain Rd
Suffield, CT 06078
Generator's Phone: 860 668-3890

Generator's Site Address (if different than mailing address)
Kent Library
50 N Main St
Suffield, CT 06078

6. Transporter 1 Company Name: Graf Brothers Leasing — U.S. EPA ID Number: MAC300096278

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
WM Turnkey Landfill
90 Rochester Neck Rd
DES-SW-SP-95001
Rochester, NH 03839
Facility's Phone: 800 963-4776
U.S. EPA ID Number: NOT APPLICABLE

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. X UN3432, Polychlorinated Biphenyls, Solid, 9, PG II	1	CM	12700	K
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
18-0437
Weight is Estimated
1) [illegible] PCB Bulk Product Waste
Container # 303302

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Julie A Oakes — Signature: [signature] — Month 11 Day 21 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: George Milliken — Signature: [signature] — Month 11 Day 21 Year 18
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: P Baen — Signature: [signature] — Month 11 Day 21 Year 18

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 965-9795

Original
Ticket# 1271259

Customer Name STRATEGICENVIRONMENTAL STRATE Carrier GRAF GRAF
Ticket Date 11/21/2018 Vehicle# 289 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0113436
State Waste Code Gen EPA ID NOT REQUIRED
Manifest 3 PO
Destination Profile 403481NH (PCB BULK PRODUCT (DISPOS
Generator NE-TOWNOFSUFFIELDDRW TOWN OF Operator Name eric wetzler

	Time	Scale	Operator	Inbound	Gross	68020 lb
In	11/21/2018 11:16:1	scale 1 in Paula Bain			Tare	40020 lb
Out	11/21/2018 12:07:0	scale 2 ou eric wetzler			Net	28000 lb
					Tons	14.00

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Special Misc Tons	100	14.00	Tons				CT
2	EVF-P-Standard Env	100		%				CT
3	RCR-P-Regulatory C	100		%				CT
4	LFS4-LANDFILL FIXE	100		%				CT

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature

404WM

Invoice: 459097   Receipt 03-00 1301957   Manifest 019921011JJK

Please print or type.   Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 40CFR761 / UXCFR PART 761
2. Page 1 of 1
3. Emergency Response Phone: 978-270-1495
4. Manifest Tracking Number: 019921011 JJK

5. Generator's Name and Mailing Address:
Town of Suffield c/o
Department of Public Works
230C Mountain Rd
Suffield, CT 06078

Generator's Site Address (if different than mailing address):
Kent Library
50 N Main St
Suffield, CT 06078

Generator's Phone: 860 668-3890

6. Transporter 1 Company Name: Graf Brothers Leasing   U.S. EPA ID Number: MAC300096278

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Wayne Disposal, Inc. Site #2 Landfill
49350 North I-94 Service Dr
Belleville, MI 48111
U.S. EPA ID Number: MID048090633

Facility's Phone: 800 502-5480

9a HM	9b U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solid, 9, PG II	001	CM	12,700	P	PCB1
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) Approval K18002BWDI PCB Remediation Waste
Weight is Estimated
ERG#171
Out of Service Date 11/19/18
Unique Container ID# TEI-30

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Julie A Oakes   Signature: [signature]   Month 11 Day 19 Year 18

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.   Port of entry/exit:
Transporter signature (for exports only):   Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Terry Liebfried   Signature: [signature]   Month 11 Day 19 Year 18
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☒ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
11-22-18
OK to correct sec 1+13 per email from Marion w/ Strategic
Manifest Reference Number:
18b. Alternate Facility (or Generator)   U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)   Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132   2.   3.   4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Chris Grissom   Signature: [signature]   Month 11 Day 20 Year 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.   DESIGNATED FACILITY TO GENERATOR

Invoice: 459097 Receipt 03-00 1301957 Cod COD #2

11425245

Page 2 of 3

CERTIFICATE OF DISPOSAL

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB Solids

and specified on Manifest # 019921011JJK, Line Item 1 has been landfilled on 11-20, 18 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 800-592-5489
Fax: 800-593-5329

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

020210399JJK

Please print or type

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 40CFRPART761
2. Page 1 of: 1
3. Emergency Response Phone: 800 535 5053
4. Manifest Tracking Number: 020210399 JJK

5. Generator's Name and Mailing Address
Town of Suffield c/o Dept. of Public Works
230C Mountain Rd
Suffield CT 06078
Generator's Phone: 860 668 3890

Generator's Site Address (if different than mailing address)
Kent Library
50 No. Main St
Suffield CT 06078

6. Transporter 1 Company Name: Strategic Environmental Services, Inc.
U.S. EPA ID Number: MAC300102423

7. Transporter 2 Company Name: RED Technologies, LLC
U.S. EPA ID Number: CTR000505758

8. Designated Facility Name and Site Address
Wayne Disposal, Inc. Site #2 Landfill
49350 North I-94 Service Drive
Belleville MI 48111
Facility's Phone: 800 592-5489
U.S. EPA ID Number: MID048090633

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3432, Polychlorinated biphenyls, solid, 9, PGII	002	CF	0350	K	CR01	PCB6	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1)K180023WDI PCB Remediation Waste 18-0437
Out of Service Date 3/25/19
Unique Container ID# 18-0437MAL
18-0437ABC
ERG#171 CN#110775

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CHRIS MATEJEK
Signature:
Month 03 Day 25 Year 19

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: ____ Date leaving U.S.:
Transporter signature (for exports only)

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mark Lynch
Signature:
Month 03 Day 25 Year 19

Transporter 2 Printed/Typed Name: Chris Wingle
Signature:
Month 3 Day 25 Year 19

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Chris Grissom
Signature:
Month 4 Day 4 Year 19

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

020210399JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: 40 CFR PART 761

22. Page: 2/2

23. Manifest Tracking Number: 020210399 JJK

24. Generator's Name: Town of Sutfield

25. Transporter 3 Company Name: EQ Northeast — U.S. EPA ID Number: MAD088419136

26. Transporter 4 Company Name: ER INDUSTRIAL SERVICES — U.S. EPA ID Number: MIK035002742

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

32. Special Handling Instructions and Additional Information

GENERATOR

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials
Printed/Typed Name: Ted Lukomski — Signature: [signature] — Month 4 Day 12 Year 19

34. Transporter 4 Acknowledgment of Receipt of Materials
Printed/Typed Name: Ethan Hudson — Signature: [signature] — Month 4 Day 3 Year 19

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)