Hazardous Building Materials Inspection

June 15-17, 2016 1 King Place Garage Meriden, CT

City of Meriden

Meriden, Connecticut

July 22, 2016



Fuss & O'Neill EnviroScience, LLC 146 Hartford Road Manchester, CT 06040



July 22, 2016

Ms. Juliet Burdelski Director of Economic Development City of Meriden 142 East Main Street, Rm 217 Meriden, CT 06450

Re: Hazardous Building Materials Inspection Former Veteran's Memorial Hospital - Garage 1 King Place, Meriden, CT Fuss & O'Neill EnviroScience Project No. 20120232.D1E

Dear Ms. Burdelski:

Enclosed is the report for the hazardous building materials assessment conducted at the Former Veteran's Memorial Hospital Parking Garage located at 1 King Place in Meriden, CT (the "Site"). The work was conducted for the City of Meriden (the "Client").

The services were performed from June 15, 2016 through June 17, 2016 by a Fuss & O'Neill EnviroScience, LLC licensed inspector and included a comprehensive asbestos and hazardous material inspection in support of the planned demolition of the Site. The information summarized in this report is for the above-mentioned materials, only. The work was performed in accordance with our written proposal dated June 10, 2016.

If you should have any questions regarding the contents of this report, please do not hesitate to contact me at (860) 646-2469, extension 5570. Thank you for this opportunity to have served your environmental needs.

Sincerely,

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Connecticut Massachusetts Rhode Island

Carlos Texidor Senior Project Manager

Enclosure

CT/kr



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1 Introduction

From June 15 through June 17, 2016, Fuss & O'Neill EnviroScience, LLC (EnviroScience) representative Ulkens Auguste performed a hazardous building materials inspection for planned demolition at the Parking Garage located at 1 King Place in Meriden, Connecticut (the "Site"). The work was conducted for the City of Meriden (the "Client") in accordance with our written scope of services dated June 10, 2016 and is subject to the limitations included in *Appendix A*.

The inspection included the following:

- asbestos inspection;
- lead-based paint (LBP) determination;
- polychlorinated biphenyls (PCB) bulk sampling (caulking and glazing compounds)

This hazardous building materials inspection was performed in response to planned demolition activities.

This inspection included limited invasive and discrete sampling techniques. Specific areas that were not inspected include the following (and shall be inspected when feasible or a complete scope of renovation or demolition is determined):

- Concealed pipe chases and tunnels, exterior below grade pipes and flanges;
- Exterior/Interior Building foundation water-proofing/damp-proofing materials and coatings; and
- Crawl areas

2 Asbestos Inspection

A property Owner must ensure that a thorough ACM inspection is performed prior to possible disturbance of suspect ACM during renovation or demolition activities. This is a requirement of the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR, Part 61, Subpart M.

From June 15 through June 17, 2016, Mr. Ulkens Auguste of EnviroScience conducted the inspection. Mr. Auguste is a State of Connecticut Department of Public Health (CTDPH)-licensed Asbestos Inspector. Refer to *Appendix B* for the Asbestos Inspector licenses and accreditations.

2.1 Methodology

The inspection was conducted by visually inspecting for suspect ACM and touching each of the suspect materials. The suspect materials were categorized into three groups EPA NESHAP groups: friable and non-friable Category I and Category II type ACM.

• A Friable Material is defined as material that contains greater than 1 percent (> 1%) asbestos that when dry **can** be crumbled, pulverized, or reduced to powder by hand pressure.



- A Category I Non-Friable Material refers to material that contains > 1% asbestos (i.e., packings, gaskets, resilient floor coverings, and asphalt roofing products) that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category II Non-Friable Material refers to any non-friable material excluding Category I materials that contain > 1% asbestos that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.

The suspect ACM were also categorized into their applications including Thermal System Insulation (TSI), Surfacing ACM (S), and Miscellaneous ACM (M). TSI includes those materials used to prevent heat loss/gain or water condensation on mechanical systems. Examples of TSI are pipe insulation, boiler insulation, duct insulation, and mudded pipe fitting insulations. Surfacing ACM includes those ACM that are applied by spray, trowel, or otherwise applied to an existing surface. Surfacing ACM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include those ACM not listed as thermal or surfacing, such as linoleum, vinyl asbestos flooring, ceiling tiles, caulkings, glues, construction adhesives, etc.

The EPA recommends collecting suspect ACM samples in a manner sufficient to determine asbestos content and to segregate each suspect type of homogenous (similar in color, texture, and date of application) materials. The EPA NESHAP regulation does not specifically identify a minimum number of samples to be collected for each homogeneous material, but the NESHAP regulation does recommend the use of sampling protocols included in Title 40 CFR, Part 763, Subpart E: Asbestos Hazard Emergency Response Act (AHERA).

The EPA AHERA regulation requires a specific number of samples be collected based on the type of material and quantity present. This regulation includes the following protocol:

- 1. Surfacing Materials (S) (i.e., plasters, spray-applied fireproofings, etc.) must be collected in a randomly distributed manner representing each homogenous area based on the overall quantity represented by the sampling as follows:
 - a. Three (3) samples collected from each homogenous area that is less than or equal to 1,000 square feet.
 - b. Five (5) samples collected from each homogenous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.
 - c. Seven (7) samples collected from each homogenous area that is greater than 5,000 square feet.
- 2. Thermal System Insulation (TSI) (i.e., pipe insulations, tank insulations, etc.) must be collected in a randomly distributed manner representing each homogenous area. Three (3) samples must be collected from each material. Also, a minimum of one (1) sample of any patching materials applied to TSI presuming the patched area is less than 6 linear or square feet should be collected.
- 3. Miscellaneous materials (M) (i.e., floor tile, gaskets, construction mastics, etc.) should have a minimum of two (2) samples collected for each type of homogenous material. Sample



collection was conducted in a manner sufficient to determine asbestos content of the homogenous material as determined by the inspector.

The inspector collected samples of those suspect ACM anticipated to be disturbed by proposed renovation or/demolition activities, and prepared proper chain-of-custody forms for transmission of the samples to EMSL Analytical, Inc. in Cinnaminson, New Jersey and South Portland, ME (EMSL) for analysis. EMSL is a State of Connecticut-licensed and American Industrial Hygiene Association (AIHA)-accredited asbestos laboratory. The sample locations, material type, sample identification, and asbestos content are identified by bulk sample analysis in Table 1 attached hereto. Suspect ACM not listed in the table that may be identified at a later date at the Site, should be assumed to be ACM until sample collection and analysis indicate otherwise. Initial asbestos sample analysis was conducted using the EPA Interim Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116) via Polarized Light Microscopy with Dispersion Staining (PLM/DS).

If samples of suspect materials could not be collected or were inaccessible but observed elsewhere, these materials were assumed to contain asbestos and the inspectors approximated quantities. The exterior and roof were included in the scope of work for this inspection. Also, limited representative intrusive or destructive investigative techniques were performed at the Site to access and observe concealed areas that may have had suspect ACMs that were hidden or obstructed from normal view. Hard enclosures or obstructed areas typically include, but are not limited to, the following:

- wall cavities;
- pipe chases, below grad tunnels;
- spaces above fixed ceilings;
- foundation walls;
- Exterior or interior vapor/moisture barrier under floors or on concrete foundations.
- Crawl areas

Subsurface investigations including, but not limited to, concrete foundations were not performed. Also, EnviroScience did not conduct subsurface investigations to identify suspect cementitious pipe throughout the subject property.

2.2 Building and Mechanical System Description

The Site is approximately 5.64 acres in size. There is one large abandoned building and a former parking garage structure on the Site. The Site is bounded on the north by Orange Street beyond which is a cemetery; on the south by Bronson Avenue beyond which are residential homes; on the east by Cook Avenue and beyond by residential homes and small commercial businesses; and to the west by Queen Street and residential homes. Prior to the property being abandoned, it was serviced by underground utilities including public water and sewer.

The parking garage is just to the west of the building, on the opposite side of King Place. The garage is three stories, with the lowest level accessible from Bronson Avenue and the upper level accessible from a parking lot off King Place near the hospital entrance at the center of the block. The middle level is



also accessible from King Place near the center of the garage. All entrances to the garage have been temporarily barricaded to prevent vehicle entry. The structure of the parking decks consists of precast concrete double tees supported on precast columns, girders and L- spandrels.

2.3 Results

Utilizing the EPA protocol and criteria, the following general list of discovered materials were determined to be **ACM**:

- Black/Dark Brown Window Glazing;
- Brown/Dark Gray Door Caulk;
- Black Tar At Ends of Tee's Ribs;
- Single Layer Black Tar on Stair Tower's roof;

Refer to **Table 1** for a complete list of ACM and non-ACM identified as part of this inspection specific by building. Refer to **Table 2** attached hereto for the ACM inventory. Refer to *Appendix C* for the asbestos laboratory report and chain-of-custody form. Refer to *Appendix D* for site photographs.

2.4 Discussion

The EPA, the Occupational Safety and Health Administration (OSHA), and the CTDPH, define a material that contains greater than one percent (> 1%) asbestos, utilizing PLM/DS, as being an ACM. Materials that are identified as "none detected" are specified as not containing asbestos. Suspect ACM not identified during this inspection should be presumed to contain asbestos until sample collection and laboratory analysis indicate otherwise.

Additionally, the EPA has suggested that materials that are non-friable organically bound materials (e.g., asphaltic-based materials, adhesives, etc.) are recommended for further confirmatory analysis utilizing Transmission Electron Microscopy (TEM). Two-hundred ninety-nine of the collected samples were recommended to be analyzed by TEM. The results of TEM analysis are denoted in Table 1.

2.5 Conclusions and Recommendations

Based on visual observations, sample collection, and laboratory analysis, ACM are present at the Site.

Prior to disturbance, ACM that would likely be impacted by the proposed renovation/demolition activities must first be abated by a state-licensed Asbestos Abatement Contractor. This is a requirement of CTDPH and EPA NESHAP regulations governing asbestos abatement.

Due to the inability to effectively separate some types of multi-layered ACMs (e.g., floor tile/mastic, gypsum board/joint compound, mastic/plywood, etc.) from non-ACM, these materials are considered asbestos-contaminated and must be managed as ACM for the purposes of removal and disposal.



EnviroScience recommends that a comprehensive scope of work and technical specification be developed as part of the renovation and/or demolition plans for the site once they are known. We have not provided a cost to develop the specifications for inclusion in the overall renovation and/or demolition plans. We have developed an opinion of cost for the complete removal of all identified asbestos. Note the total cost is inclusive of removing all asbestos; a more limited scope can be tailored to any specific renovation and/or demolition work as necessary.

Suspect materials encountered during renovation/demolition that are not identified in this report as being non-ACM should be presumed to be ACM until sample collection and laboratory analysis indicate otherwise. Prior to renovation/demolition that may disturb hidden/inaccessible areas, we recommend conducting a supplemental asbestos inspection of these areas and spaces.

Materials are present in and on the site (Parking Garage) at 1 King Place where concentrations of asbestos are less than 1% (<1%). While the EPA and the CTDPH identify materials containing <1% as a non-asbestos containing material, Occupation Safety and Health Administration (OSHA) worker protection regulations apply to materials containing any amount of asbestos.

EnviroScience recommends that if any ACMs are to remain in the building following renovation/demolition activities, the ACM should be managed in-place under a written Operations and Maintenance Program in accordance with Occupational Safety and Health Administration (OSHA) regulations.

This report is not intended to be utilized as a bidding document or as a project specification document. The report is designed to aid the building owner, architect, construction manager, general contractors, and asbestos abatement contractors in locating ACM.

3 Lead-Based Paint Determination

On June 29, 2016, Mr. Carlos Texidor of EnviroScience performed a lead-based paint (LBP) determination associated with coated building components at the Site that may be disturbed during renovation/demolition activities. An X-ray fluorescence (XRF) analyzer was used to perform the LBP determination. The determination was conducted in accordance with generally-accepted industry standards for non-residential (i.e., not child-occupied) buildings.

3.1 Methodology

A Radiation Monitoring Device Model LPA-1, serial number 1138, was utilized for the LBP determination. The instrument was checked for proper calibration prior to use as detailed by the manufacturer and the Performance Characteristic Sheet (PCS) developed for the instruments.

For the purpose of this LBP determination, representative building components were tested as part of this feasibility study. Individual repainting efforts are not discoverable in such a limited program. LBP issues involving properties that are not residential are regulated to a limited degree for worker protection relating to paint-disturbing work activities and waste disposal.



Worker protection is regulated by Occupational Safety and Health Administration (OSHA) regulations, as well as CTDPH regulations. These regulations involve air monitoring of workers to determine exposure levels when disturbing lead-containing paint. An LBP determination cannot determine a safe level of lead, but is intended to provide guidance for implementing industry standards for lead in paint at identified locations. Contractors may then better determine exposure of workers to airborne lead by understanding the different concentrations of LBP activities that disturb paint on representative surfaces.

The EPA Resource Conservation and Recovery Act (RCRA) regulates disposal of lead-containing waste. Lead-containing materials that will be impacted during renovation or demolition activities, and result in waste for disposal must either be analyzed using the Toxicity Characteristic Leaching Procedure (TCLP) analysis if lead is determined to be present in non-residential buildings, or be presumed as a hazardous waste. A TCLP sample is a representative sample of the intended waste stream. The results are compared to a threshold value of 5.0 milligrams per liter (mg/L); a result exceeding this value is considered hazardous lead waste. If the result is below the established level, the material is not considered hazardous and may be disposed as general construction debris.

A level of LBP exceeding 1.0 milligrams of lead per square centimeter (mg/cm^2) is considered toxic or dangerous for compliance with residential standards. For purpose of this LBP determination the level of 1.0 mg/cm² has been utilized as a threshold for areas where possible worker exposures may occur.

3.2 XRF Determination Results

The LBP determination indicated consistent painting trends associated with representative building components that may be impacted by demolition work. The following representative building components were determined to contain levels of lead (greater than 1.0 mg/cm²)

• Yellow Line Paint on all concrete decking

Refer to **Table 3** for a complete list of building specific components that were determined to contain levels of lead (greater than 1.0 mg/cm^2) identified as part of this inspection

Refer to Appendix E for the XRF lead-based paint determination field data sheets.

3.3 Discussion

OSHA published a Lead in Construction Standard (OSHA Lead Standard) Title 29 CFR, Part 1926.62 in May 1993. The OSHA Lead Standard has no set limit for the content of lead in paint below which the standards do not apply. The OSHA Lead Standards are task-based, and derived from airborne exposure and blood lead levels.

The results of this LBP determination are intended to provide guidance to contractors for occupational lead exposure controls. Building components coated with lead levels above industry standards may cause exposures to lead above OSHA standards during proposed demolition and renovation activities. The results of this screening are also intended to provide insight into waste disposal requirements, in



accordance with EPA RCRA regulations. At the Client's request, a TCLP sample to characterize the expected waste that may result from possible selective demolition and/or renovation work was not collected as part of this inspection.

3.4 Conclusion and Recommendations

Based on our LBP determination results, LBP is present on coated building components located in the parking garage structure.

Contractors must be made aware that OSHA has not established a level of lead in a material below which Title 29 CFR, Part 1926.62 does not apply. Contractors shall comply with exposure assessment criteria, interim worker protection, and other requirements of the regulation as necessary to protect workers during any renovation and/or demolition work that will impact lead paint.

If disturbed by renovation or demolition activities, LBP-coated building components should be segregated from the general waste stream for sample collection and analysis by TCLP to determine proper off-site waste disposal. If disturbed and managed off-site, non-porous LBP-coated building materials (i.e., metals) may be segregated and recycled as scrap metal. Metal LBP-coated building components cannot be subject to grinding, sawing, drilling, sanding, or torch cutting.

Note that future work involving surface preparation of identified painted surface(s) must be performed in accordance with OSHA worker protection requirements. If a change in use is proposed to include residential dwelling units, a more comprehensive lead inspection shall be required and compliance with EPA Renovation, Repair and Painting Rule (RRP) would be recommended. Specific funding programs may also have more stringent requirements involving lead based paint.

The building is presently characterized as commercial property, which is not subject to the State of Connecticut residential dwelling regulations. The property may be renovated using procedures required in accordance with OSHA regulation Title 29 CFR, Part 1926.62. In addition, the building currently is not considered a "child-occupied facility" and therefore, it is not subject to lead safe renovation requirements.

4 Polychlorinated Biphenyls (PCBs) Summary -Caulking and Glazing Compounds

4.1 Background

PCBs were used until 1978 and are a group of compounds formed by the chlorination of biphenyl. PCBs have extremely high physical and chemical stabilities which led to their being used in many applications, including heat transfer fluids, hydraulic fluids, and dielectrics. PCBs are often found in transformers, capacitors, and hydraulic systems. PCBs were also added as a plasticizer in caulking used to seal joints between masonry units and around windows, in addition to other building material such as



paints, mastics, sealants, adhesives, and specialty coatings. According to the EPA, PCBs were used in some buildings primarily between 1950 and 1980.

Sampling of building materials for PCBs is presently not mandated by the EPA. However, significant liability risk exists for improperly disposing of PCB- containing waste materials. Recent knowledge and awareness of PCBs within matrices such as caulking, glazing compounds, paints, adhesives and ceiling tiles has become more prevalent, especially amongst remediation contractors, waste haulers, and disposal facilities.

Many property owners have become subject to large changes in schedule, scope, and costs as a result of failure to identify these possible contaminants prior to renovation or demolition. We recommended this testing as part of the work. This information will serve as useful to significant impact and potential requirements for planning required by the EPA which must be implemented if PCBs are identified at a project site.

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 still requires PCB material removal once it is determined that PCBs are present. In addition to identification of source materials containing PCBs, if PCBs are present at certain concentrations, additional sampling and analysis of adjacent surfaces in contact with PCB sources, or which may have been contaminated from a source of PCBs (e.g. soil), must also be performed or remediated.

EPA requirements apply only if PCBs are present in concentrations above a specified level. Presently, PCB-containing materials at concentrations equal to or greater than (\geq) 50 ppm, or equivalent units of milligrams per kilogram (mg/kg) are regulated. Note materials containing less than (<) 50 ppm may also be regulated 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 concentration PCBs that were legally manufactured, processed, distributed in commerce, or used before October 1, 1984.

Materials with PCB concentrations in excess of 50 mg/Kg (parts-per-million) of PCBs are determined to be a federally regulated waste under the Toxic Substance Control Act (TSCA) (40 CFR 760). In addition, if the material sampled has greater than 1 mg/kg PCBs but less than 50 mg/kg PCBs and it has been determined to be an "Excluded PCB Product" the Connecticut Department of Environmental Protection (CTDEEP) will require the waste to be handled as a PCB waste under State regulations (22a-463 through 22a-469). The following samples were collected and analyzed by Phoenix Environmental of Manchester, Connecticut:



4.2 PCB Suspect Source Material Survey (Caulking and Glazing compounds)

4.2.1 Bulk Sampling of Source Materials

From June 15 to June 19, 2016, Mr. Ulkens Auguste collected 51 bulk samples of suspect source materials (i.e. caulking and glazing compounds only) for PCB analysis. Sampling involved removal of bulk product materials (source materials) using hand tools to submit in bulk form to determine PCB content. EnviroScience used disposable tools to collect the samples. The sampling tools were discarded after each individual sample was collected to avoid cross contamination of samples.

The EPA regulates materials containing ≥ 50 ppm. However if PCB greater than 1 ppm are present in a material it must be demonstrated (proven) that the materials containing < 50 ppm PCBs are an "Excluded PCB Product," which for this circumstance would be a product legally manufactured or used prior to October 1, 1984.

Materials with PCB concentrations in excess of 50 mg/Kg (parts-per-million) of PCBs are determined to be a federally regulated waste under the Toxic Substance Control Act (TSCA) (40 CFR 760). In addition, if the material sampled has greater than 1 mg/kg PCBs but less than 50 mg/kg PCBs and it has been determined to be an "Excluded PCB Product" the Connecticut Department of Environmental Protection (CTDEEP) will require the waste to be handled as a PCB waste under State regulations (22a-463 through 22a-469).

A summary of the suspect source materials identified within each of the buildings is provided in the paragraphs and tables below.

4.2.2 Parking Garage

Eleven different types of caulking compounds and 1 different types of glazing compounds were identified throughout the parking garage. Suspect source materials were identified on interior and exterior doors, interior and exterior windows, along vertical and horizontal seams to concrete decking and within exterior expansion joints. Tables 4-1 and 4-2 provide a summary of the description of the source materials identified.

4.3 Conclusions

Bulk samples for PCB analysis collected at the time of the PCB source material survey have been placed into the EnviroScience secured cold storage freezer located at Enviroscience headquarters. No samples collected for PCB analysis have been extracted or analyzed at the time of this report. Suspect source material samples may be analyzed if requested per future project developments. Where PCB source materials are identified in contact with porous substrates, samples of the substrate should be collected and analyzed to identify if the material was or was not contaminated.



5 PCB-Containing Fluorescent Light Ballasts and Mercury-Containing Lamps

5.1 PCB-Containing Fluorescent Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Light ballasts installed as late as 1985 may also contain PCB capacitors. Fluorescent light ballasts that are not labeled as "No-PCBs" must be assumed to contain PCBs, unless proven otherwise by quantitative analysis. Capacitors in fluorescent light ballasts labeled as non-PCB-containing may contain diethylhexl phthalate (DEHP). DEHP was the primary substitute to replace PCBs for small capacitors in fluorescent light ballasts in use until 1991. DEHP is a toxic substance, a suspected carcinogen, and is listed under EPA RCRA and the Superfund law as a hazardous waste. Therefore, EPA Superfund liability exists for landfilling both PCB and DEHP-containing light ballasts. These listed materials are considered hazardous waste under EPA RCRA, and require special handling and disposal considerations.

From June 15 to June 17, 2016, EnviroScience representative Mr. Ulkens Auguste performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing light ballasts. The inspection involved visually inspecting labels on representative light ballasts to identify dates of manufacture and labels indicating "No PCBs". Ballasts manufactured after 1991 were not listed as PCB or DEHP-containing ballasts, and were not quantified for disposal.

The light ballasts without a label indicating "No PCBs" are presumed to be PCB-containing waste and must be segregated for proper removal, packaging, transport, and disposal as PCB-containing waste. Those light ballasts labeled as "No PCBs" indicating manufacture dates prior to 1991 are presumed to contain DEHP. DEHP-containing light ballasts must be segregated for proper removal, packaging, transport, and disposal as non-PCB hazardous waste. Note that disposal requirements for DEHP-containing light ballasts are slightly varied, and disposal costs are slightly less than PCB-containing light ballasts.

Refer to **Table 5** for the PCB/DEHP-Containing Light Ballasts Inventory identified as part of this inspection.

5.2 Mercury-Containing Equipment

Fluorescent lamps/tubes are presumed to contain mercury vapor, which is a hazardous substance to both human health and the environment. Thermostatic controls and electrical switch gear may contain a vial or bulb of mercury associated with the control. Mercury-containing equipment is regulated for proper disposal by the EPA RCRA hazardous waste regulations. According to the EPA, mercury lamps are characterized as a Universal Waste. Therefore, fluorescent lamps must be either recycled, or disposed as hazardous waste.



From June 15 to June 17, 2016, EnviroScience representative Mr. Ulkens Auguste performed an inventory of mercury lamps, thermometers, and mercury switches. These fixtures were inventoried inplace.

Refer to **Table 6** for the summary of Mercury-Containing Equipment Inventory identified as part of this inspection.

Report Prepared and Reviewed by:

Carlos Texidor Senior Project Manager

toh

Robert L May, Jr. President



Tables



Table 1 Summary of Suspect Asbestos-Containing Materials Former Veteran's Memorial Hospital Parking Garage - 1 King Place Meriden, CT

Sample No.	Material Type	Sample Locations	Asbestos Content	PLM/TEM
06172016AU-01A	Gray Door Caulk	Interior - East Stairways Between Levels 1 & 2	ND/ND	PLM/TEM NOB
06172016AU-01B	Gray Door Caulk	Interior - East Stairways Between Levels 1 & 2	ND	PLM
06172016AU-01C	Gray Door Caulk	Exterior East Stairways Between Level 2 & 3	ND	PLM
06172016AU-02A	Black/Dark Brown Window Caulking	Interior East Stairways Between Level 1 & 3	ND/ND	PLM/TEM NOB
06172016AU-02B	Black/Dark Brown Window Caulking	Interior - Level 2, West Stairways	ND	PLM
06172016AU-02C	Black/Dark Brown Window Caulking	Exterior - West Stairways	ND	PLM
06172016AU-03A	Black/Dark Brown Window Glazing	Interior - East Stairways Between Level 1 & 3	8% Chrysotile	PLM
06172016AU-03B	Black/Dark Brown Window Glazing	Interior - Level 2, West Stairways	NA/Pos Stop	PLM
06172016AU-03C	Black/Dark Brown Window Glazing	Exterior - West Stairways	NA/Pos Stop	PLM
06172016AU-04A	Thick Flaky White Expansion Joint Caulk	Interior - East Stairways Between Concrete Walls	ND/ND	PLM/TEM NOB
06172016AU-04B	Thick Flaky White Expansion Joint Caulk	Interior - Level 2, West Elevation Between Concrete Walls & Concrete Floor/Deck	ND	PLM
06172016AU-04C	Thick Flaky White Expansion Joint Caulk	Exterior North Elevation Between Precast Concrete Panels	ND	PLM
06172016AU-05A	Gray Expansion Joint (9" Wide)	Level 3 - Center Of Parking Garage Floor At Main Floor Connection	ND/ND	PLM/TEM NOB
06172016AU-05B	Gray Expansion Joint (9" Wide)	Level 3 - Center Of Parking Garage Floor At Main Floor Connection	ND	PLM
06172016AU-05C	Gray Expansion Joint (9" Wide)	Level 3 - Center Of Parking Garage Floor At Main Floor Connection	ND	PLM
06172016AU-06A	Light Gray Expansion Joint Caulk	Level 3 - At Tee's On Floor	ND/ND	PLM/TEM NOB
06172016AU-06B	Light Gray Expansion Joint Caulk	Level 2 - North	ND	PLM
06172016AU-06C	Light Gray Expansion Joint Caulk	Level 1 - West	ND	PLM



Sample No.	Material Type	Sample Locations	Asbestos Content	PLM/TEM
06172016AU-07A	Black/Tan Expansion Joint (9" Wide)	Level 3 - East Exit	ND/ND	PLM/TEM NOB
06172016AU-07B	Black/Tan Expansion Joint (9" Wide)	Level 3 - Center Of Parking Garage Floor At Main Floor Connection	ND	PLM
06172016AU-07C	Black/Tan Expansion Joint (9" Wide)	Level 3 - Center Of Parking Garage Floor At Main Floor Connection	ND	PLM
06172016AU-08A	Brown/Dark Gray Door Caulk	Level 3 - West Stairways	ND/1.5% Chrysotile	PLM/TEM NOB
06172016AU-08B	Brown/Dark Gray Door Caulk	Level 3 - West Stairways	ND	PLM
06172016AU-08C	Brown/Dark Gray Door Caulk	Level 3 - West Stairways	ND	PLM
	6" Black Pads Between Tee's &	Level 2 - West Elevation By	ND/0.50%	PLM/TEM
06172016AU-09A	Precast Concrete Panels	Stairs	Chrysotile	NOB
06172016AU-09B	6" Black Pads Between Tee's & Precast Concrete Panels	Level 2 - West Elevation By Stairs	ND	PLM
06172016AU-09C	6" Black Pads Between Tee's & Precast Concrete Panels	Level 2 - West Elevation By Stairs	ND	PLM
06172016AU-10A	Black Expansion Joint (9" Wide)	Level 2 - Center Of Parking Garage Floor At Main Floor Connection	ND/ND	PLM/TEM NOB
06172016AU-10B	Black Expansion Joint (9" Wide)	Level 2 - Center Of Parking Garage Floor At Main Floor Connection	ND	PLM
06172016AU-10C	Black Expansion Joint (9" Wide)	Level 2 - Center Of Parking Garage Floor At Main Floor Connection	ND	PLM
06172016AU-11A	Black Expansion Joint (~1 Wide)	Level 1 - South Elevation, Between Walls & Floor	ND/ND	PLM/TEM NOB
06172016AU-11B	Black Expansion Joint (~1 Wide)	Level 1 - West Stairway At Bottom Landing	ND	PLM
06172016AU-11C	Black Expansion Joint (~1 Wide)	Level 1 - South Elevation	ND	PLM
06172016AU-12A	Darker Gray Expansion Joint Caulking	Level 3 - North Elevation, Between Perimeter Walls	ND/ND	PLM/TEM NOB
06172016AU-12B	Darker Gray Expansion Joint Caulking	Level 3 - East Elevation	ND	PLM
06172016AU-12C	Darker Gray Expansion Joint Caulking	Level 3 - West Elevation	ND	PLM
06172016AU-13A	Black Tar At End Of Tee's Ribs	Level 2 - North Elevation	5% Chrysotile	PLM
06172016AU-13B	Black Tar At End Of Tee's Ribs	Level 2 - North Elevation	NA/Pos Stop	PLM
06172016AU-13C	Black Tar At End Of Tee's Ribs	Level 1 - South Elevation	NA/Pos Stop	PLM
06172016AU-14A	White/Tan Soft Door Caulk	Level 1- Interior Door At West Stairways	ND/0.57% Chrysotile	PLM/TEM NOB



Sample No.	Material Type	Sample Locations	Asbestos Content	PLM/TEM
06172016AU-14B	White/Tan Soft Doo r Caulk	Level 1- Interior Door At West Stairways	ND	PLM
06172016AU-14C	White/Tan Soft Door Caulk	Level 1- Interior Door At West Stairways	ND	PLM
06172016AU-15A	Silver Perimeter Flashing Cement	East Stair Roof	5% Chrysotile	PLM
06172016AU-15B	Silver Perimeter Flashing Cement	East Stair Roof	NA/Pos Stop	PLM
06172016AU-15C	Silver Perimeter Flashing Cement	West Stair Roof	NA/Pos Stop	PLM
06172016AU-16A	Single Layer Black Tar On Roof	East Stair Roof	8% Chrysotile	PLM
06172016AU-16B	Single Layer Black Tar On Roof	East Stair Roof	NA/Pos Stop	PLM
06172016AU-16C	Single Layer Black Tar On Roof	West Stair Roof	NA/Pos Stop	PLM
06172016AU-17A	White/Black Rubbery Caulk	Exterior Security Booth	ND/ND	PLM/TEM NOB
06172016AU-17B	White/Black Rubbery Caulk	Exterior Security Booth	ND	PLM
06172016AU-17C	White/Black Rubbery Caulk	Exterior Security Booth	ND	PLM
06172016AU-18A	Gray Duct Sealant	Level 1 - East Corner	< 1% Chrysotile/<0.52% Chrysotile	PLM/TEM NOB
06172016AU-18B	Gray Duct Sealant	Level 1 - East Corner	< 1% Chrysotile	PLM
06172016AU-19A	Self-Stick Black Stair Treads	East Stairways	ND/ND	PLM/TEM NOB
06172016AU-19B	Self-Stick Black Stair Treads	East Stairways	ND	PLM
06172016AU-19C	Self-Stick Black Stair Treads	East Stairways	ND	PLM
06172016AU-20A	White Linoleum Flooring With Circle Patterns	Security Booth	ND/ND	PLM/TEM NOB
06172016AU-20B	White Linoleum Flooring With Circle Patterns	Security Booth	ND	PLM
06172016AU-20C	White Linoleum Flooring With Circle Patterns	Security Booth	ND	PLM
06172016AU-21A	Brown Adhesive Associated With White Linoleum Flooring With Circle Patterns	Security Booth	ND/ND	PLM/TEM NOB
06172016AU-21B	Brown Adhesive Associated With White Linoleum Flooring With Circle Patterns	Security Booth	ND	PLM
06172016AU-21C	Brown Adhesive Associated With White Linoleum Flooring With Circle Patterns	Security Booth	ND	PLM
06172016AU-22A	Yellow Wall Carpet Glue	Security Booth	ND/ND	PLM/TEM NOB
06172016AU-22B	Yellow Wall Carpet Glue	Security Booth	ND	PLM
06172016AU-22C	Yellow Wall Carpet Glue	Security Booth	ND	PLM



Sample No.	Material Type	Sample Locations	Asbestos Content	PLM/TEM
06172016AU-23A	White Textured On Fiberglass Ceiling Board	Security Booth	ND	PLM
06172016AU-23B	White Textured On Fiberglass Ceiling Board	Security Booth	ND	PLM
06172016AU-23C	White Textured On Fiberglass Ceiling Board	Security Booth	ND	PLM
06172016AU-24A	White/Gray Drain Bowl Mudded Insulation	Level - At Drain Bowls	ND	PLM
06172016AU-24B	White/Gray Drain Bowl Mudded Insulation	Level - At Drain Bowls	ND	PLM
06172016AU-24C	White/Gray Drain Bowl Mudded Insulation	Level - At Drain Bowls	ND	PLM

NA/Pos Stop=Not Analyzed/ Positive Stop

ND=None Detected

Table 2 Summary of Asbestos-Containing Materials Inventory Former Veteran's Memorial Hospital Parking Garage - 1 King Place Meriden, CT

Material Type	Location(s)	Asbestos Content	Estimated Total Quantity	Comments
Black/Dark Brown Window Glazing	Interior - East Stairways Between Levels 1 & 3; Interior - Level 2, West Stairways; Exterior - West Stairways	8% Chrysotile	650 LF	
Brown/Dark Gray Door Caulk	Level 3 - West Stairways	1.5% Chrysotile	175 LF	
Black Tar At End Of Tee's Ribs	Level 2 - North Elevation; Level 1 - South Elevation	5% Chrysotile	350 LF	
Silver Perimeter Flashing Cement	East And West Stair Roof	5% Chrysotile	225 LF	
Single Layer Black Tar On Roof	East And West Stair Roof	8% Chrysotile	200 SF	Two Separate Stair Towers

LF = Linear Feet

SF = Square Feet

EA = Each

Table 3 XRF Lead Screening Results

Building Component	Location	Substrate	XRF Reading (mg/cm²)
Yellow line paint	1 st Level	Concrete	2.9
Yellow line paint	2 nd Level	Concrete	2.8



Table 4 Summary of Interior and Exterior Caulking and Glazing Compounds within the Parking Garage PCB Bulk Sample Analytical Results

Sample Location	Material Color & Type	Sample No.	PCB Content (Mg/Kg)	Substrate
Interior - East Stairways Between Levels 1 & 2	Gray Door Caulk	061716UA-PCBs-01A	ND RL: 0.8	Concrete
Interior - East Stairways Between Levels 1 & 2	Gray Door Caulk	061716UA-PCBs-01B	ND RL:0.83	Concrete
Interior - East Stairways Between Levels 1 & 2	Gray Door Caulk	061716UA-PCBs-01C	ND RL: 0.83	Concrete
Interior East Stairways Between Level 1 & 3	Black/Dark Brown Window Caulking	061716UA-PCBs-02A	ND RL: 0.82	Concrete
Interior - Level 2, West Stairways	Black/Dark Brown Window Caulking	061716UA-PCBs-02B	ND RL: 0.79	Concrete
Exterior - West Stairways	Black/Dark Brown Window Caulking	061716UA-PCBs-02C	ND RL: 0.83	Concrete
Interior - East Stairways Between Level 1 & 3	Black/Dark Brown Window Glazing	061716UA-PCBs-03A	ND RL: 0.66	Concrete
Interior - Level 2, West Stairways	Black/Dark Brown Window Glazing	061716UA-PCBs-03B	ND RL: 0.79	Concrete
Exterior - West Stairways	Black/Dark Brown Window Glazing	061716UA-PCBs-03C	ND RL: 0.83	Concrete
Interior - East Stairways Between Concrete Walls	Thick Flaky White Expansion Joint Caulk	061716UA-PCBs-04A	ND RL: 0.81	Concrete
Interior - Level 2, West Elevation Between Concrete Walls & Concrete Floor/Deck	Thick Flaky White Expansion Joint Caulk	061716UA-PCBs-04B	ND RL: 0.75	Concrete
Exterior North Elevation Between Precast Concrete Panels	Thick Flaky White Expansion Joint Caulk	061716UA-PCBs-04C	ND RL: 0.75	Concrete
Level 3 - Center Of Parking Garage Floor At Main Floor Connection	Gray Expansion Joint (9" Wide)	061716UA-PCBs-05A	ND RL: 0.79	Concrete
Level 3 - Center Of Parking Garage Floor At Main Floor Connection	Gray Expansion Joint (9" Wide)	061716UA-PCBs-05B	ND RL: 0.74	Concrete
Level 3 - Center Of Parking Garage Floor At Main Floor Connection	Gray Expansion Joint (9" Wide)	061716UA-PCBs-05C	ND RL: 0.8	Concrete
Level 3 - At Tee's On Floor	Light Gray Expansion Joint Caulk	061716UA-PCBs-06A	ND RL: 0.79	Concrete
Level 2 - North	Light Gray Expansion Joint Caulk	061716UA-PCBs-06B	ND RL: 0.75	Concrete



Sample Location	Material Color & Type	Sample No.	PCB Content (Mg/Kg)	Substrate
Level 1 - West	Light Gray Expansion Joint Caulk	061716UA-PCBs-06A	ND RL: 0.8	Concrete
Level 3 - East Exit	Black/Tan Expansion Joint (9" Wide)	061716UA-PCBs-07A	ND RL: 0.73	Concrete
Level 3 - Center Of Parking Garage Floor At Main Floor Connection	Black/Tan Expansion Joint (9" Wide)	061716UA-PCBs-07B	ND RL: 0.7	Concrete
Level 3 - Center Of Parking Garage Floor At Main Floor Connection	Black/Tan Expansion Joint (9" Wide)	061716UA-PCBs-07C	ND RL: 0.8	Concrete
Level 3 - West Stairways	Brown/Dark Gray Door Caulk	061716UA-PCBs-08A	ND RL: 0.8	Concrete
Level 3 - West Stairways	Brown/Dark Gray Door Caulk	061716UA-PCBs-08B	ND RL: 0.78	Concrete
Level 3 - West Stairways	Brown/Dark Gray Door Caulk	061716UA-PCBs-08C	ND RL: 0.79	Concrete
Level 2 - West Elevation By Stairs	6" Black Pads Between Tee's & Precast Concrete Panels	061716UA-PCBs-09A	ND RL: 0.58	Concrete
Level 2 - West Elevation By Stairs	6" Black Pads Between Tee's & Precast Concrete Panels	061716UA-PCBs-09B	ND RL: 0.66	Concrete
Level 2 - West Elevation By Stairs	6" Black Pads Between Tee's & Precast Concrete Panels	061716UA-PCBs-09C	ND RL: 0.65	Concrete
Level 2 - Center Of Parking Garage Floor At Main Floor Connection	Black Expansion Joint (9" Wide)	061716UA-PCBs-10A	ND RL: 0.82	Concrete
Level 2 - Center Of Parking Garage Floor At Main Floor Connection	Black Expansion Joint (9" Wide)	061716UA-PCBs-10B	ND RL: 0.83	Concrete
Level 2 - Center Of Parking Garage Floor At Main Floor Connection	Black Expansion Joint (9" Wide)	061716UA-PCBs-10C	ND RL: 0.81	Concrete
Level 1 - South Elevation, Between Walls & Floor	Black Expansion Joint (~1 Wide)	061716UA-PCBs-11A	ND RL: 0.64	Concrete
Level 1 - West Stairway At Bottom Landing	Black Expansion Joint (~1 Wide)	061716UA-PCBs-11B	ND RL: 0.8	Concrete
Level 1 - South Elevation	Black Expansion Joint (~1 Wide)	061716UA-PCBs-11C	ND RL: 0.83	Concrete
Level 3 - North Elevation, Between Perimeter Walls	Darker Gray Expansion Joint Caulking	061716UA-PCBs-12A	ND RL: 0.81	Concrete
Level 3 - East Elevation	Darker Gray Expansion Joint Caulking	061716UA-PCBs-12B	ND RL: 0.81	Concrete
Level 3 – West Elevation	Darker Gray Expansion Joint Caulking	061716UA-PCBs-12C	ND RL: 0.83	Concrete



Sample Location	Material Color & Type	Sample No.	PCB Content (Mg/Kg)	Substrate
Level 2 - North Elevation	Black Tar At End Of Tee's Ribs	061716UA-PCBs-13A	ND RL: 0.68	Concrete
Level 2 - North Elevation	Black Tar At End Of Tee's Ribs	061716UA-PCBs-13B	ND RL: 0.81	Concrete
Level 2 – South Elevation	Black Tar At End Of Tee's Ribs	061716UA-PCBs-13C	ND RL: 0.32	Concrete
Level 1- Interior Door At West Stairways	White/Tan Soft Door Caulk	061716UA-PCBs-14A	ND RL: 0.8	Concrete
Level 1- Interior Door At West Stairways	White/Tan Soft Door Caulk	061716UA-PCBs-14B	ND RL: 0.77	Concrete
Level 1- Interior Door At West Stairways	White/Tan Soft Door Caulk	061716UA-PCBs-14C	ND RL: 0.77	Concrete
East Stair Roof	Silver Perimeter Flashing Cement	061716UA-PCBs-15A	ND RL: 0.66	Concrete
East Stair Roof	Silver Perimeter Flashing Cement	061716UA-PCBs-15B	ND RL: 0.63	Concrete
West Stair Roof	Silver Perimeter Flashing Cement	061716UA-PCBs-15C	ND RL: 0.41	Concrete
East Stair Roof	Single Layer Black Tar On Roof	061716UA-PCBs-16A	ND RL: 0.65	Concrete
East Stair Roof	Single Layer Black Tar On Roof	061716UA-PCBs-16B	ND RL: 0.5	Concrete
West Stair Roof	Single Layer Black Tar On Roof	061716UA-PCBs-16C	ND RL: 0.92	Concrete
Exterior Security Booth	White/Black Rubbery Caulk	061716UA-PCBs-17A	ND RL: 0.83	Concrete
Exterior Security Booth	White/Black Rubbery Caulk	061716UA-PCBs-17B	ND RL: 0.96	Concrete
Exterior Security Booth	White/Black Rubbery Caulk	061716UA-PCBs-17C	ND RL: 0.5	Concrete

Table 5 PCB/DEHP-Containing Light Ballasts Inventory

Туре	Estimated Quantity
РСВ	10
DEHP	10
Total	20

Table 6
Mercury-Containing Equipment Inventory

Туре	Estimated Quantity
2' Light Tube	15



Appendix A

Limitations



APPENDIX A

1 King Place Meriden, Connecticut

- 1. This environmental report has been prepared for the exclusive use of The City of Meriden and is subject to, and is issued in connection with the terms and conditions of the original Agreement and all of its provisions. Any use or reliance upon information provided in this report, without the specific written authorization of the Client and Fuss & O'Neill EnviroScience, LLC, (EnviroScience) shall be at the User's individual risk. This report should not be used as an abatement specification. All quantities of materials identified during this inspection are approximate.
- 2. EnviroScience has obtained and relied upon information from multiple sources to form certain conclusions regarding likely environmental issues at and in the vicinity of the subject property in conducting this inspection. Except as otherwise noted, no attempt has been made to verify the accuracy or completeness of such information or verify compliance by any party with federal, state or local laws or regulations.
- 3. EnviroScience has obtained and relied upon laboratory analytical results in conducting the inspection. This information was used to form conclusions regarding the types and quantities of ACM, LBP, and PCBs that must be managed prior to renovation or demolition activities that may disturb these materials at the subject property(ies). EnviroScience has not performed an independent review of the reliability of this laboratory data.
- 4. Unless otherwise noted, only suspect hazardous materials associated within or located on the building (aboveground) were included in this inspection. Suspect hazardous materials may exist below the ground surface that were not included in the scope of work of this inspection. EnviroScience cannot guarantee all asbestos or suspect hazardous materials were identified within the areas included in the scope of work. Only visible and accessible areas were included in the scope of work for this inspection.
- 5. The findings, observations, and conclusions presented in this report are limited by the scope of services outlined in our original Agreement January 12, 2016, which reflects schedule and budgetary constraints imposed by Client. Furthermore, the assessment has been conducted in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made.
- 6. The conclusions presented in this report are based solely upon information gathered by EnviroScience to date. Should further environmental or other relevant information be discovered at a later date, the Client should immediately bring the information to the EnviroScience's attention. Based upon an evaluation and assessment of relevant information, EnviroScience may modify the letter report and its conclusions.
- 7. EnviroScience has obtained and relied upon information from multiple sources to form certain conclusions regarding likely environmental issues at and in the vicinity of the subject property in conducting this inspection. Except as otherwise noted, no attempt has been made to verify the accuracy or completeness of such information or verify compliance by any party with federal, state or local laws or regulations.



Appendix B

EnviroScience Asbestos Inspector Licenses and Accreditations

Dear ULKENS AUGUSTE.

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health P.O. Box 340308 **M.S.#12MQA** Hartford, CT 06134-0308

001859-0001866-0000001 of 0000001-C01-a1d00101-1364-01862

(860) 509-7603 oplc.dph@ct.gov www.ct.gov/dph/license

Sincerely,

haller MS surel

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER DEPARTMENT OF PUBLIC HEALTH

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH NAME **ULKENS AUGUSTE** VALIDATION NO. CERTIFICATE NO. CURRENT THROUGH 03-286659 000770 09/30/16 PROFESSION ASBESTOS CONSULTANT-INSPECTOR Jowel Shaller MS COMMISSIONER SICNATURE

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persons who must demonstrate current licensure/certification at or privileges. The employer's card is to be presented to the as a part of your personnel file. Only one copy of this card can

CURRENT THROUGH

09/30/16

Spirel thallen me

THE INDIVIDUAL NAMED BELOW IS CERTIFIED in BY THIS DEPARTMENT AS A be	order to refain employment or privileges. The employer's card in to h aployer and kept by them as a part of your personnel file. Unly one co supplied to you.
ASBESTOS CONSULTANT-INSPECTOR	
ULKENS AUGUSTE ULKENS AUGUSTE URRENT THROUGH 09/30/16 VALIDATION NO. 03-286659 MONAYORE MONAYONE M	WALLET CARD STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTHI NAME ULKENS AUGUSTE VALIDATION NO 03-286659 000770 PROFESSION PROFESSION DEBESTOS CONSULTANT-INSPECTOR MUSALURA SIGNATURE

Certificate of Training This program was presented at This program was presented at This program was presented at This program was presented at This program was presented at Manchester, CT with the prior approval of the CTDPH. ULKENS AUGUSTE	For successful completion of a 4 Hour, 1/2 Day Asbestos Building Inspector Annual Refresher Training January 12, 2016	This training was approved and given in accordance with the Regulations for Connecticut State Agencies RCSA 20 - 440 - 1-9 and RCSA 20 - 441 and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94. <i>Presented by</i> Mystic Air Quality Consultants, Inc. 1204 North Road, Groton, CT 06340 (800) 247-7746	Certificate Number: ABIRF24669 Exam Grade: 80 Expiration Date: 01/12/2017 Christopher J. Eident, CIH, CSP, RS Exam Date: 01/12/2016 Ecorge Williamson, Training Director	Richard Haffey, Training Director

1000995 01 AV 0.388 ** AUTO 16 0 1364 06040 599246 C01 P009921



Dear CARLOS TEXIDOR,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health P.O. Box 340308 M.S.#12MQA Hartford, CT 06134-0308 (860) 509-7603 oplc.dph@ct.gov www.ct.gov/dph/license

Sincerely,

lenons

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER DEPARTMENT OF PUBLIC HEALTH

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC DEALED 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 CARLOS TEXIDOR CARLOS TEXIDOR COMMENSIONES SUNATIVE

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STA	TE OF CONNECT.	ICUT
DEPAR	TMENT OF PUBLIC	HEALTH
	NAME	
	CARLOS TEXIDO	R
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-286876	001884	09/30/16
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CERTIFICATE OF ACHIEVEMENT

This certifies that

Carlos Texidor

46 Braeburn Lane, Middletown, CT 06457 000-00-9604

has successfully completed the

INSPECTOR RISK ASSESSOR REFRESHER

Training Course conducted by Cardno ATC 73 William Franks Drive West Springfield, MA 01089 (413) 781-0070

Mart S. Yre

Principal Instructor:

April 17, 2015 Date of Course CTLIRAR-394 Certificate Number

Exam Date April 17, 2016

April 17, 2016

April 17, 2016 Expiration Date

Sheggy Mouch

Regional Training Director

Training received complies with the requirements of the Connecticut Department of Public Health pursuant to Section 477 of the Connecticut General Statutes.



Appendix C

Asbestos Laboratory Report and Chain-of-Custody Form

OrderID: 621600898

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

FUSS & O'NEILL EnviroScience, LLC

621600898

www.fando.com

Phone (860) 646-2469

146 Hartford Road, Manchester, CT 06040

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 1 of 3

 Project Name:
 1 King PL Parking Garage
 Project No. 20120232.D1E
 Date: June 17, 2016

 Site Address:
 1 king Pl Meriden, CT
 Location: Meriden, CT
 Project Manager: Carlos Texidor

Sample ID	Sample Location	Type of Material			
06172016AU-01A	Interior- east stairways between level 1&2	Gay door caulk			
06172016AU-01B	Interior- east stairways between level 1&2	Gay door caulk			
06172016AU-01C	Exterior east stairways between level 2&3	Gay door caulk			
06172016AU-02A	Interior- east stairways between level 1&3	Black/ dark brown window caulking			
06172016AU-02B	Interior- level 2, west stairways	Black/ dark brown window caulking			
06172016AU-02C	Exterior- west stairways	Black/ dark brown window caulking			
06172016AU-03A	Interior- east stairways between level 1&3	Black/dark brown window glazing			
06172016AU-03B	Interior- level 2, west stairways	Black/dark brown window glazing			
06172016AU-03C	Exterior- west stairways	Black/dark brown window glazing			
06172016AU-04A	Interior- east stairways between concrete walls	Thick flaky white expansion joint caulk			
06172016AU-04B	Interior- Level 2, west elevation between concrete walls and concrete floor/deck	Thick flaky white expansion joint caulk			
06172016AU-04C	Exterior north elevation between precast concrete panesl	Thick flaky white expansion joint caulk			
06172016AU-05A	Level 3-center of parking garage floor @ main floor connection	Gray expansion joint (9"wide)			
06172016AU-05B	Level 3-center of parking garage floor @ main floor connection	Gray expansion joint (9"wide)			
06172016AU-05C _	Level 3-center of parking garage floor @ main floor connection	Gray expansion joint (9"wide)			
06172016AU-06A	Level 3- @ T's on floor	Light gray expansion joint caulk			
06172016AU-06B	Level 2- north	Light gray expansion joint caulk			
06172016AU-06C	Level 1- west	Light gray expansion joint caulk			
06172016AU-07A	Level 3- east exit	Black/tan expansion joint (9" wide)			
06172016AU-07B	Level 3-center of parking garage floor @ main floor connection	Black/tan expansion joint (9" wide)			
06172016AU-07C	Level 3-center of parking garage floor @ main floor connection	TE N N E Black/tan expansion joint (9" wide)			
06172016AU-08A	Level-3 west stairways	Brown/dark gray door caulk			
06172016AU-08B	Level-3 west stairways	N 2 1 2010 Brown/dark gray door caulk			
06172016AU-08C	Level 2-west stairways	Brown/dark gray door caulk			
06172016AU-09A	Level 2- west elevation by stair	6" black pads between T's & precast concrete panels			
06172016AU-09B	Level 2- west elevation by stair	6" black pads between T's & precast concrete panels			

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Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54



FUSS & O'NEILL EnviroScience, LLC 021600898 2-3

146 Hartford Road, Manchester, CT 06040

www.fando.com

Phone (860) 646-2469

	06172016AU-09C	Level 2- west elevation by stair	6" black pads between T's & precast concrete panels
	06172016AU-10A	Level 2- center of parking garage floor @ main floor connection	Black expansion joint (9"wide)
	06172016AU-10B	Level 2- center of parking garage floor @ main floor connection	Black expansion joint (9"wide)
	06172016AU-10C	Level 2- center of parking garage floor @ main floor connection	Black expansion joint (9"wide)
	06172016AU-11A	Level 1- South elevation, between walls & floor	Black expansion joint (~1" wide)
	06172016AU-11B	Level 1- west stairway @ bottom landing	Black expansion joint (~1" wide)
	06172016AU-11C	Level 1- south elevation	Black expansion joint (~1" wide)
	06172016AU-12A	Level 3- north elevation, between perimeter walls	Darker gray expansion joint caulking
	06172016AU-12B	Level 3- east elevation	Darker gray expansion joint caulking
	06172016AU-12C	Level 3- west elevation	Darker gray expansion joint caulking
	06172016AU-13A	Level 2-north elevation	Black tar @ end of T's ribs
	06172016AU-13B	Level 2- north elevation	Black tar @ end of T's ribs
	06172016AU-13C	Level 1-south elevation	Black tar @ end of T's ribs
	06172016AU-14A	Level 1-interior door @ west stairways	White/tan soft door caulk
-	06172016AU-14B	Level 1-exterior door @ west stairways	White/tan soft door caulk
	06172016AU-14C	Level 1-exterior door @ west stairways	White/tan soft door caulk
	06172016AU-15A	East stair roof	Silver perimeter flashing cement
	06172016AU-15B	East stair roof	Silver perimeter flashing cement
	06172016AU-15C	West stair roof	Silver perimeter flashing cement
	06172016AU-16A	- East stair roof	Single layer black tar on roof
	06172016AU-16B	East stair roof	Single layer black tar on roof
	06172016AU-16C	West stair roof	Single layer black tar on roof
	06172016AU-17A	Exterior security booth	White/black rubbery caulk
	06172016AU-17B	Exterior security booth	White/black rubbery caulk
	06172016AU-17C	Exterior security booth	White/black rubbery caulk
	06172016AU-18A	Level 1- east corner	Gray duck sealant
	06172016AU-18B	Level 1- east corner	2 1 2016 Gray duck sealant
	06172016AU-19A	East stairways	Self-stick black stair treads
	06172016AU-19B	East stairways	Self-stick black stair treads
	06172016ЛU-19С	West stairways	Self-stick black stair treads
	06172016AU-20A	Security booth	White linoleum flooring with circle patterns

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FUSS & O'NEILL EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040

62160080

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061/2016AU-20B	Security booth	White linoleum flooring with circle patterns			
06172016AU-20C	Security booth	White linoleum flooring with circle patterns			
06172016AU-21A	Security booth	Brown adhesive associated with white linoleum flooring with circ patterns			
06172016AU-21B	Security booth	Brown adhesive associated with white linoleum flooring with circl patterns			
06172016AU-21C	Security booth	Brown adhesive associated with white linoleum flooring with circl patterns			
06172016AU-22A	Security booth	Yellow wall carpet glue			
06172016AU-22B	Security booth	Yellow wall carpet glue			
06172016AU-22C	Security booth	Yellow wall carpet glue			
06172016AU-23A	Security booth	White textured on fiberglass ceiling board			
06172016AU-23B	Security booth	White textured on fiberglass ceiling board			
06172016AU-23C	Security booth	White textured on fiberglass ceiling board			
06172016AU-24A	Level- @ drain bowls	White/gray drain bowl mudded insulation			
06172016AU-24B	Level- @ drain bowls	White/gray drain bowl mudded insulation			
06172016AU-24C	Level- @ drain bowls	White/gray drain bowl mudded insulation			
a second and the second second	TEM Other	Turnaround Time: 5days			

Total # of Samples: 71

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do Not Point Count. If NOB group sample results are 0% - < 1% by PLM, analyze only "A" group sample above by TEM NOB, per group, unless you are told otherwise. Date: ____6/16 through 6/17/2016/16 Samples collected by: ____ **Ulkens Auguste** Time: Samples Sent by: Date: Time: _ Date: (021.10 Time: Samples Received by: ME Other. Shipped To: KEMSL State: Method of Shipment: X FedEx Lab Drop Off Other_ 2016

	EMSL Analytic	cal, Inc.			EMSL Order ID:	621600898
	161 John Roberts Road	I South Portlan	d ME 04106		Customer ID:	20120232 D1E
	Dhone/Eax: (207) 517 6	30001 FORM	u, ME 04100 7 6022		Project ID:	20120202.012
EM	http://www.EMSL.com	/ portlandlab@e	emsl.com			
Attn: Carlos T	exidor		Pr	none: (860) 646-2469	
Fuss & (D'Neill EnviroScience, LL	С	Fa	ax: (888) 838-1160	
146 Har	tford Road		Co	ollected: 6/17	/2016	
Manches	ster, CT 06040		Re	eceived: 6/21	/2016	
Proj: 2012023			Ar / 1 King Pl Meriden	nalyzed: 6/22	/2016	
	Summary Test Re	nort for Ash	estos Analysis of I	Rulk Material vi	a EPA 600/R-93/	116
Client Sample ID:	06172016AU-01A				Lab Sample ID:	621600898-0001
Sample Description:	INTERIOR - EAST STAIR	VAYS BETWEEN L	EVEL 1&2/GRAY DOOR CAU	ULK		
	Analyzed		Non-Asbestos			
TEST	Date	Color	Fibrous Non-Fibrous	Asbestos	Comment	
	6/21/2016	Gray	0% 100%	None Detect	ed	
EM Grav. Reduction	6/22/2016	Gray	0.0% 100%		l ab Sampla /D:	621600909 0002
Silent Sample ID: Sample Description:					Lab Sample ID.	021000030-0002
sample Description.	INTERIOR - EAST STAIRV	VAYS BETWEEN L	EVEL 1&2/GRAY DOOR CAU	ULK		
	Analyzed		Non-Asbestos			
TEST	Date	Color	Fibrous Non-Fibrous	Asbestos	Comment	
²LM	6/21/2016	Gray	0% 100%	None Detect	ed	
lient Sample ID:	06172016AU-01C				Lab Sample ID:	621600898-0003
Sample Description:	EXTERIOR EAST STAIRW	AYS BETWEEN LE	EVEL 2&3/GRAY DOOR CAU	JLK		
	Analyzed		Non-Asbestos			
TEST	Date	Color	Fibrous Non-Fibrous	Asbestos	Comment	
۷LM	6/21/2016	Gray	0% 100%	None Detect	ed	
lient Sample ID:	06172016AU-02A				Lab Sample ID:	621600898-0004
ample Description:	INTERIOR EAST STAIRW	AYS BETWEEN LE	VEL 1&3/BLACK/DARK BRC	WN WINDOW		
	Analyzed		Non-Asbestos			
TEST	Date	Color	Fibrous Non-Fibrous	Asbestos	Comment	
чM	6/21/2016	Brown/Black	0% 100%	None Detect	ed	
EM Grav. Reduction	6/22/2016	Brown/Black	0.0% 100%	None Detect	ed	
lient Sample ID:	06172016AU-02B				Lab Sample ID:	621600898-0005
ample Description:	INTERIOR - LEVEL 2, WE	ST STAIRWAYS/BL	ACK/DARK BROWN WINDO	OW CAULKING		
	A 1					
TEST	Analyzed Nate	Color	NON-ASDESTOS	Achaetae	Comment	
2.M	6/21/2016	Brown/Black	0% 100%	None Detect	ed	
liont Samala ID.	06172016411-020				Lab Samola ID:	621600898-0006
Siem Sample ID: Somple Description:				1010	Lab Sample 12.	021000000-0000
sample Description.	EXTERIOR - WEST STAIF	WAYS/BLACK/DAI	RK BROWN WINDOW CAUL	KING		
	Analyzed		Non-Asbestos			
TEST	Date	Color	Fibrous Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Brown/Black	0% 100%	None Detect	ed	
Client Sample ID:	06172016AU-03A				Lab Sample ID:	621600898-0007
Sample Description:	INTERIOR - EAST STAIRV GLAZING	VAYS BETWEEN L	EVEL 1&3/BLACK/DARK BR	OWN WINDOW		
	Analvzed		Non-Asbestos			
TEST	Date	Color	Fibrous Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Brown/Black	0% 92%	8% Chrysotik	ρ	

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161 John Roberts Road South Portland, ME 04106 Phone/Fax: (207) 517-6921 / (207) 517-6922 http://www.EMSL.com / portlandlab@emsl.com EMSL Order ID:621600898Customer ID:ENVI54Customer PO:20120232.D1EProject ID:Environment

	Summary Test Re	port for Asl	pestos An	alysis of Bul	k Material via E	PA 600/R-93/	116
Client Sample ID:	06172016AU-03B					Lab Sample ID:	621600898-0008
Sample Description:	INTERIOR - LEVEL 2, WES	ST STAIRWAYS/B	LACK/DARK E		GLAZING		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016			Positive	e Stop (Not Analyzed)		
Client Sample ID:	06172016AU-03C					Lab Sample ID:	621600898-0009
Sample Description:	EXTERIOR - WEST STAIRWAYS/BLACK/DARK BROWN WINDOW GLAZING						
	Analyzed		Non	-Asbestos		_	
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
РСМ	6/21/2016			Positive	e Stop (Not Analyzed)		
Client Sample ID:	06172016AU-04A					Lab Sample ID:	621600898-0010
Sample Description:	INTERIOR - EAST STAIRW EXPANSION JOINT CAUL	/AYS BETWEEN <	CONCRETE W	ALLS/THICK FLAK	YWHITE		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	White	0%	100%	None Detected		
TEM Grav. Reduction	6/22/2016	White	0.0%	· 100%	None Detected		
Client Sample ID:	06172016AU-04B					Lab Sample ID:	621600898-0011
Sample Description:	INTERIOR - LEVEL 2, WES FLOOR/DECK/THICK FLAK	ST ELEVATION BI	ETWEEN CON	ICRETE WALLS & C CAULK	CONCRETE		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	White	0%	100%	None Detected		
Client Sample ID:	06172016AU-04C					Lab Sample ID:	621600898-0012
Sample Description:	EXTERIOR NORTH ELEVA FLAKY WHITE EXPANSIO	TION BETWEEN	PRECAST CO	DNCRETE PANELS/	THICK		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	White	0%	100%	None Detected		
Client Sample ID:	06172016AU-05A					Lab Sample ID:	621600898-0013
Sample Description:	LEVEL 3 - CENTER OF PA CONNECTION/GRAY EXP/	RKING GARAGE ANSION JOINT (§	FLOOR @ MA 9" WIDE)	AIN FLOOR			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	0%	100%	None Detected		
TEM Grav. Reduction	6/22/2016	Gray	0.0%	100%	None Detected		
Client Sample ID:	06172016AU-05B					Lab Sample ID:	621600898-0014
Sample Description:	n: LEVEL 3 - CENTER OF PARKING GARAGE FLOOR @ MAIN FLOOR CONNECTION/GRAY EXPANSION JOINT (9" WIDE)						
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	0%	100%	None Detected		
Client Sample ID:	06172016AU-05C					Lab Sample ID:	621600898-0015
Sample Description:	LEVEL 3 - CENTER OF PA CONNECTION/GRAY EXP/	RKING GARAGE ANSION JOINT (§	FLOOR @ MA " WIDE)	AIN FLOOR		-	
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	0%	100%	None Detected		


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EMSL Order ID: Customer ID: Customer PO: Project ID:	621600898 ENVI54 20120232.D1E
Project ID:	

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	Summary Test Re	eport for Asb	estos An	alysis of BL	ilk Material via E	PA 600/R-93/	116
Client Sample ID:	06172016AU-06A					Lab Sample ID:	621600898-0016
Sample Description:	LEVEL 3 - @ T'S ON FLO	OR/LIGHT GRAY E	XPANSION JO	DINT CAULK			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	0%	100%	None Detected		
TEM Grav. Reduction	6/22/2016	Gray	0.0%	100%	None Detected		
Client Sample ID:	06172016AU-06B					Lab Sample ID:	621600898-0017
Sample Description:	LEVEL 2 - NORTH/LIGHT	GRAY EXPANSION	N JOINT CAUL	K			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	0%	100%	None Detected		
Client Sample ID:	06172016AU-06C					Lab Sample ID:	621600898-0018
Sample Description:	LEVEL 1 - WEST/LIGHT G	RAY EXPANSION	JOINT CAUL	< colored and the second s			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	0%	100%	None Detected		
Client Sample ID:	06172016AU-07A					Lab Sample ID:	621600898-0019
Sample Description:	LEVEL 3 - EAST EXIT/BL/	ACK/TAN EXPANIC	N JOINT (9" V	VIDE)			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Tan/Black	0%	100%	None Detected		
TEM Grav. Reduction	6/22/2016	lan/Black	0.0%	100%	None Detected		
Client Sample ID:	06172016AU-07B					Lab Sample ID:	621600898-0020
Sample Description:	LEVEL 3 - CENTER OF P/ CONNECTION/BLACK/TA	ARKING GARAGE	FLOOR @ MA IT (9" WIDE)	IN FLOOR			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Tan/Black	0%	100%	None Detected		
Client Sample ID:	06172016AU-07C					Lab Sample ID:	621600898-0021
Sample Description:	LEVEL 3 - CENTER OF P/ CONNECTION/BLACK/TA	ARKING GARAGE	FLOOR @ MA IT (9" WIDE)	IN FLOOR			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Tan/Black	0%	100%	None Detected		
Client Sample ID:	06172016AU-08A					Lab Sample ID:	621600898-0022
Sample Description:	LEVEL 3 - WEST STAIRW	AYS/BROWN / DAI	RK GRAY DO	OR CAULK			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Brown/Gray	6%	94%	None Detected		
TEM Grav. Reduction	6/22/2016	Brown/Gray	0.0%	98.5%	1.5% Chrysotile		
Client Sample ID:	06172016AU-08B					Lab Sample ID:	621600898-0023
Sample Description:	LEVEL 3 - WEST STAIRW	AYS/BROWN / DAI	RK GRAY DO	OR CAULK			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Brown/Gray	6%	94%	None Detected		

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EMSL Order ID:	621600898
Customer ID:	ENVI54
Customer PO: Project ID:	20120232.D1E

	Summary Test Re	eport for Asb	estos An	alysis of Bu	ılk Material via E	PA 600/R-93/	116
Client Sample ID:	06172016AU-08C	-		-		Lab Sample ID:	621600898-0024
Sample Description:	LEVEL 3 - WEST STAIRW	/AYS/BROWN / DAI	RK GRAY DO	OR CAULK			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Brown/Gray	8%	92%	None Detected		
Client Sample ID:	06172016AU-09A					Lab Sample ID:	621600898-0025
Sample Description:	LEVEL 2 - WEST ELEVAT	ION BY STAIRS/6"	BLACK PADS	SBETWEEN T'S &	PRECAST		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	15%	85%	None Detected		
TEM Grav. Reduction	6/22/2016	Black	0.0%	99.5%	0.50% Chrysotile		
Client Sample ID:	06172016AU-09B					Lab Sample ID:	621600898-0026
Sample Description:	LEVEL 2 - WEST ELEVAT CONCRETE PANELS	ION BY STAIRS/6"	BLACK PADS	BETWEEN T'S &	PRECAST		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	15%	85%	None Detected		
Client Sample ID:	06172016AU-09C					Lab Sample ID:	621600898-0027
Sample Description:	LEVEL 2 - WEST ELEVAT CONCRETE PANELS	TON BY STAIRS/6"	BLACK PADS	SBETWEEN T'S &	PRECAST		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	0%	1 00%	None Detected		
Client Sample ID:	06172016AU-10A					Lab Sample ID:	621600898-0028
Sample Description:	LEVEL 2 - CENTER OF P CONNECTION/BLACK E)	ARKING GARAGE KPANSION JOINT (S	FLOOR @ MA 9" WIDE)	AIN FLOOR			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	0%	a 100%	None Detected		
TEM Grav. Reduction	6/22/2016	Black	0.0%	100%	None Detected		
Client Sample ID:	06172016AU-10B					Lab Sample ID:	621600898-0029
Sample Description:	LEVEL 2 - CENTER OF P CONNECTION/BLACK E)	ARKING GARAGE (PANSION JOINT (FLOOR @ M# 9" WIDE)	AIN FLOOR			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	0%	5 100%	None Detected		
Client Sample ID:	06172016AU-10C					Lab Sample ID:	621600898-0030
Sample Description:	LEVEL 2 - CENTER OF P CONNECTION/BLACK E)	ARKING GARAGE (PANSION JOINT (FLOOR @ MA 9" WIDE)	AIN FLOOR			
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	0%	100%	None Detected		
Client Sample ID:	06172016AU-11A					Lab Sample ID:	621600898-0031
Sample Description:	LEVEL 1 - SOUTH ELEVA (~1 WIDE)	TION, BETWEEN V	VALLS & FLO	OR/BLACK EXPA	NSION JOINT		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	0%	100%	None Detected		
TEM Grav. Reduction	6/22/2016	Black	0.0%	100%	None Detected		



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(EMSL Order ID: Customer ID:	621600898 ENVI54
	Customer PO: Project ID:	20120232.D1E

	Summary Test Rep	oort for As	bestos Anal	ysis of Bu	lk Material via E	PA 600/R-93/*	116
Client Sample ID:	06172016AU-11B					Lab Sample ID:	621600898-0032
Sample Description:	LEVEL 1 - WEST STAIRWA WIDE)	Y @ BOTTOM L	ANDING/BLACK I	EXPANSION JO	INT (~1		
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	0%	100%	None Detected		
Client Sample ID:	06172016AU-11C					Lab Sample ID:	621600898-0033
Sample Description:	LEVEL 1 - SOUTH ELEVAT	ON/BLACK EXF	ANSION JOINT (~1 WIDE)			
			(····,			
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	0%	100%	None Detected		
Client Sample ID:	06172016AU-12A					Lab Sample ID:	621600898-0034
Sample Description:	LEVEL 3 - NORTH ELEVAT EXPANSION JOINT CAULK	ION, BETWEEN ING	PERIMETER WA	LLS/DARKER G	RAY		
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	0%	100%	None Detected		
TEM Grav. Reduction	6/22/2016	Gray	0.0%	100%	None Detected		
Client Sample ID:	06172016AU-12B					Lab Sample ID:	621600898-0035
Sample Description:	LEVEL 3 - EAST ELEVATIO	N/DARKER GRA	AY EXPANSION J	OINT CAULKING	G		
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	0%	100%	None Detected		
Client Sample ID:	06172016AU-12C					Lab Sample ID:	621600898-0036
Sample Description:	LEVEL 3 - WEST ELEVATIO	N/DARKER GR	AY EXPANSION J	IOINT CAULKIN	G		
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	0%	100%	None Detected		
Client Sample ID:	06172016AU-13A					Lab Sample ID:	621600898-0037
Sample Description:	LEVEL 2 - NORTH ELEVAT	ION/BLACK TAR		RIBS		•	
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	0%	95%	5% Chrysotile		
Client Sample ID:	06172016AU-13B					Lab Sample ID:	621600898-0038
Sample Description:	LEVEL 2 - NORTH ELEVAT	ON/BLACK TAR	@ END OF T'S F	RIBS			
	Analyzed		Non-As	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	
PLM	6/21/2016			Positiv	ve Stop (Not Analyzed)		
Client Sample ID:	06172016AU-13C					Lab Sample ID:	621600898-0039
Sample Description:	LEVEL 1 - SOUTH ELEVAT	ON/BLACK TAR	@ END OF T'S F	RIBS			
	Analvzed		Non-A	sbestos			
TEST	Date	Color	Fibrous N	on-Fibrous	Asbestos	Comment	

From: GFI FaxMaker To: Carlos Texidor Page: 10/14 Date: 6/22/2016 2:58:32 PM



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EMSL Order ID:	621600898
Customer ID:	ENVI54
Customer PO: Project ID:	20120232.D1E

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Data Control Lab Sample ID: 0312016AU-14.4 Lab Sample ID: 031600898.04.04 Sample Description: Lab Sample ID: Data Color Fibrous Non-Fibrous Asherins Comment TEST Data Color Fibrous Non-Fibrous Non-Absence Comment Comment PLM 6212016 Winci 0.54, 9.5%, 0.		Summary Test Re	port for Asb	estos Ana	IYSIS OT BI	uik material via E	PA 600/R-93/	116
Sample Description: LEVEL 1- INTERIOR DOOR @ WEST STAIRWAYSWHITE/TAN SOFT DOOR CAULK TEST Date Color Film on Ablastos Comment RLM 6/21/2016 White 95% 95% 95% Non-Ablastos RLM 6/21/2016 White 95% 95% 95% Non-Ablastos RLM 6/21/2016 White 95% 95% 95% Non-Ablastos Gener Single Dis G12/2016 White 95% 95% Non-Ablastos Sample Description: LEVEL 1- INTERIOR DOOR @ WEST STAIRWAYSWHITE/TAN SOFT DOOR CAULK Lab Sample Dis E21660898.0042 TEST Date Color Filmous Abbastos Comment PLM 60/12/2016 White 65% 04% None Decated TEST Date Color Filmous Abbastos Comment TEST Date Color Filmous Non-Fibrous Abbastos Comment TEST Date Color Filmous Non-Fibrous Abbastos Comment	Client Sample ID:	06172016AU-14A					Lab Sample ID:	621600898-0040
TEST Date Non-Asteriors Fibrous Asteriors 064/% Comment PLM 6272016 White 0.0% 064/% 0.0% None Dataced 064/% Lab Sample /D Cellor Sample /D 6272016 White 0.0% 064/% 0.0% Cellor Sample /Description LEVEL 1- INTERIOR DOOR @ WEST STAIRWAYS/WHITE/TAN SOFT DOOR CAULK Lab Sample /D: 62160088-0041 TEST Date Color Fibrous Non-Asterios Asterios Comment	Sample Description:	LEVEL 1- INTERIOR DOC	R @ WEST STAIR	WAYS/WHITE/T,	AN SOFT DOO	R CAULK		
TEST Date Color Fibrous Non-Fibrous Asbestos Comment TEM Grav. Roduction 6222016 While 0.0% 0.0% 0.57% Konsevented Client Sample ID: 65720164.01-48 Lab Sample ID: 621800898-0041 Sample Description: Level 1. INTERIOR DOOR (@ WEST STAIRWAYSWHITE/TAN SOFT DOOR OUUK Lab Sample ID: 621800898-0041 TEST Date Color Fibrous Non-Abbestos Comment Client Sample ID: 65720164.01-40 Lab Sample ID: 621600898-0042 621600898-0042 Sample Description: Level 1. INTERIOR DOOR (@ WEST STAIRWAYSWHITE/TAN SOFT DOOR CAULK Comment Lab Sample ID: 621600898-0043 Sample Description: Level 1. INTERIOR DOOR (@ WEST STAIRWAYSWHITE/TAN SOFT DOOR CAULK Lab Sample ID: 621600898-0043 TEST Date Color Fibrous Non-Abbestos Comment TEST Date Color Fibrous Non-Sbestos Comment TEST Date Color Fibrous Non-Abbestos Comment TEST		Analyzed		Non-A	sbestos			
PLM 6721/2016 While 5% 95% None Descried EM draw, Peduckim 572/20164 While 0.0% 934% 0.57% Charak Sample ID: 621600598-0041 Sample Description: Level 1- INTERIOR DOOR @ WEST STAIRWAYSWIITE/TAN SOFT DOOR CAULK Aabestos Comment TEST Date Color Fibrous Mon-Fibrous Aabestos Comment PLM 6/21/2016AU-14C Lab Sample ID: 6/21600698-0042 Sample ID: 6/21600698-0042 Sample Description: Level 1- INTERIOR DOOR @ WEST STAIRWAYSWIITE/TAN SOFT DOOR CAULK Lab Sample ID: 6/21600098-0042 Sample Description: Level 1- INTERIOR DOOR @ WEST STAIRWAYSWIITE/TAN SOFT DOOR CAULK Lab Sample ID: 6/21600898-0042 Sample Description: EEVEL 1- INTERIOR DOOR @ WEST STAIRWAYSWIITE/TAN SOFT DOOR CAULK Lab Sample ID: 6/21600898-0042 Sample Description: EEVEL 1- INTERIOR DOOR @ WEST STAIRWAYSWIITE/TAN SOFT DOOR CAULK Lab Sample ID: 6/21600898-0042 Sample Description: EEXET Date Color Fibrous Asbestos Comment Claint Sample ID: 6/12/2016	TEST	Date	Color	Fibrous N	Ion-Fibrous	Asbestos	Comment	
TEM Care, Reduction 6/22/2016 White 0.0% 9.4% 0.57% Chrysolite Client Sample db:: 0617/2016AU-148 Lab Sample //Discreter/plice: Lab Sample //Discreter/plice: Color Fibrous Non-Fibrous Asbestos Comment Exception: Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 White 6% 9.4% None Detected Color Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 White 6% 9.4% None Detected Color Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 Vinice 5% 9.4% None Detected Color Color Fibrous Non-Fibrous Asbestos Comment PLM 5/21/2016 Vinice 5% 9.4% None Asbestos Comment Fibrous Non-Fibrous Asbestos	PLM	6/21/2016	White	5%	95%	None Detected		
Client Sample Description: Date Control Sample Description: Lab Sample Description: Lab Sample Description: Section Sample Descripsin Sample Description: Section Samp	TEM Grav. Reduction	6/22/2016	White	0.0%	99.4%	0.57% Chrysotile		
Sample Description: LEVEL 1- INTERIOR DCORR @ WEST STARRWAYSWINTE/TAN SOFT DCOR CAULK TEST Date Color Fibrous Asbestos Comment PLM 5212015 White 5% 94% Non-Abbestos Lab Sample ID: 621600898-0042 Sample Description: UEVEL 1- INTERIOR DCOR @ WEST STAIRWAYSWINTE/TAN SOFT DCOR CAULK Lab Sample ID: 621600898-0042 Sample Description: UEVEL 1- INTERIOR DCOR @ WEST STAIRWAYSWINTE/TAN SOFT DCOR CAULK Lab Sample ID: 621600898-0042 TEST Date Color Fibrous Non-Abbestos Comment PLM 6/21/2016 White 5% 94% None Detected Citlent Sample ID: 061720116AU-TSA Lab Sample ID: 621600898-0043 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0044 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 Sample Description: EAST STAIR ROOF/SILV	Client Sample ID:	06172016AU-14B					Lab Sample ID:	621600898-0041
Analyzed Non-Asbestos Comment FLM 567/2016 While 5% 94% None Decended Client Sample De: 06172016AU-14C Lab Sample De: Lab Sample De: 5% 94% None Decended Sample Description: LEVEL 1-INTERIOR DOOR & WEST STAIRWAYS/WHITE/TAN SOFT DOOR CAULK Lab Sample De: 621600858-0942 TEST Data Color Fibrous Asbestos Comment FLM 621/2016 While 5% 44% None Decended Client Sample DE: 06172016AU-15A Lab Sample DE: 621600858-0943 Sample DE: 06172016AU-15A Lab Sample DE: 621600858-0943 Sample DE: 06172016AU-15A Lab Sample DE: 621600858-0943 Sample DE: Oate Color Fibrous Asbestos Comment FLM 6212016 Black/Silver 0% 95% 5% Chrysoffle Client Sample DE: Date Color Fibrous Asbestos Comment E FLM 6212016 Black/Silver 0% 95% 5% Chrysoffle Client Sample DE: Oate Color Fibrous Asbestos Comment FLM 6212016AU-15C	Sample Description:	LEVEL 1- INTERIOR DOC	R @ WEST STAIR	WAYS/WHITE/T	AN SOFT DOO	R CAULK		
TEST Date Color Fibrous Non-Fibrous Absetso Comment PLM 6212016 Wink 6% 94% None Detacled		Analyzed		Non-A	sbestos			
PLM 6/21/2016 While 6% 94% None Detected Client Sample 10: 0617/2016AU-14C Lab Sample 10: 621600998-0042 Sample Description: Level 1- INTERIOR DOOR (g: WEST STAIRWAYS/WHITE/TAN SOFT DOOR CAULK Lab Sample 10: 621600998-0042 TEST Date Color Fibrous Asbestos Comment Client Sample 10: 0617/2016AU-15A While 5% 9.4% None Detected Client Sample 10: 0617/2016AU-15A Lab Sample 10: 62180098-0043 Sample 00: 0617/2016AU-15A Lab Sample 10: 62180098-0043 Sample 00: 0617/2016AU-15A Lab Sample 10: 621800989-0043 Sample 00: 0617/2016AU-15B Black/Silver 0% 95% 6% Chrysotle Client Sample 10: 0617/2016AU-15B Black/Silver 0% 95% 6% Chrysotle Client Sample 10: 0617/2016AU-15B Eab Sample 10: 621600898-0044 Sample 00: 0617/2016AU-15C Lab Sample 10: 621600898-0044 Sample 00: 0617/2016AU-15C <t< td=""><td>TEST</td><td>Date</td><td>Color</td><td>Fibrous N</td><td>Ion-Fibrous</td><td>Asbestos</td><td>Comment</td><td></td></t<>	TEST	Date	Color	Fibrous N	Ion-Fibrous	Asbestos	Comment	
Cillent Sample 10: 0.6172016.0U-14C Leb Sample 10: Cale Sample 10: Leb Sample 10: Leb Sample 10: Leb Sample 10: Sample 10: Color Fibrous Non-Fibrous Assests Comment	PLM	6/21/2016	White	6%	94%	None Detected		
Sample Description: Level 1- INTERIOR DOOR @ WEST STAIRWAYS/WHITE/TAN SOFT DOOR CAULK TEST Date Color Fibrous Non-Asbestos Comment PLM 6212016 While 6% 94% None Detected Clant Sample ID: 62172016AU-15A Lab Sample ID: 621600898-0043 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0043 TEST Date Color Fibrous Non-Asbestos Comment PLM 62172016AU-15B Lab Sample ID: 621600898-0043 Sample ID: 66172016AU-15B Color Fibrous Non-Asbestos Clant Sample ID: 66172016AU-15B Lab Sample ID: 621600898-0044 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 TEST Date Color Fibrous Asbestos Comment PLM 6212016 Peatlive Stop (Neti Analyzed) Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0046 Clant Sample ID: 6212016	Client Sample ID:	06172016AU-14C					Lab Sample ID:	621600898-0042
Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 White 6% 94% Nene Detected Client Sample ID: 6617/2016AU-15A Lab Sample ID: 621600896-0043 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600896-0043 Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 Black/Silver 0% 95% 5% Chrysotile Client Sample ID: 6617/2016AU-168 Lab Sample ID: 621600896-0044 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600896-0044 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600896-0045 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600896-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600896-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600896-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600896-0045	Sample Description:	LEVEL 1- INTERIOR DOC	R @ WEST STAIR	WAYS/WHITE/T	AN SOFT DOO	R CAULK		
Analyzed Non-Asbestos Color Fibrous Non-Asbestos PLM 66/12/016 White 6% 9x/6 None Detected Clant Sample D: 6172016AU-15A Lab Sample D:: 6172016AU-15A Lab Sample D:: 612600898-0043 Sample D:: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample D:: 621600898-0043 TEST Date Color Fibrous Non-Asbestos Comment Clent Sample D:: 661210216 Black/Silver 0% 95% 5% Chrysottie Clent Sample D:: 661210216 Black/Silver V % 95% 5% Chrysottie Clent Sample D:: 66172016AU-156 Non-Asbestos Comment 621600898-0045 Sample D:: 612016AU-156 Positive Stop (Not Analyzed Comment 621600898-0045 Clent Sample D:: 61212016 Positive Stop (Not Analyzed) Comment PLM 6/21/2016 Positive Stop (Not Analyzed) Comment Clent Sample D:: 61210216 Positive Stop (Not			9					
TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 White 6% 94% None Detected Client Sample JD: 06172016AU-15A Lab Sample JD: 621800898-0043 621800898-0043 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample JD: 621800898-0044 TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 Black/Silver 0% 95% 5% Chrysotile Comment Client Sample ID: 06172016AU-15B Lab Sample ID: 621800898-0044 Sample DD: 621800898-0044 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621800898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: <		Analyzed		Non-A	sbestos			
PLM 6/21/2016 White 6% 94% None Detected Citert Sample ID: 0617/2016AU-15A Lab Sample ID: 621600898-0043 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0043 TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 BlackUSilver 0% 95% 5% Chrysotile 621600898-0044 Cilent Sample ID: 06172016AU-15B Lab Sample ID: 621800898-0044 621800898-0044 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621800898-0044 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621800898-0045 TEST Date Color Fibrous Non-Fibrous Asbestos Comment Clerit Sample ID: 06172016AU-15C Lab Sample ID: 621600898-0045 Sample Description: EaSt STAIR ROOF/SILVER PERIMETER FLASHING CEMENT TEST Date Color Fibrous Non-Fibrous Asbestos Comment Color	TEST	Date	Color	Fibrous N	Ion-Fibrous	Asbestos	Comment	
Citent Sample De 06172016AU-15A Lab Sample De: 621600898-0043 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Asbestos Comment TEST Date Color Fibrous Non-Asbestos Comment Cilent Sample De: 0172016AU-15B Biack/Silver 0% 95% 5% Chroment Edst Sample ID: 621600898-0044 Sample De: 0172016AU-15B EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0044 Sample De: 0172016AU-15B Color Fibrous Non-Abbestos Comment Edst Sample ID: 621600898-0045 TEST Date Color Fibrous Non-Fibrous Asbestos Comment Edst Sample ID: 621600898-0045 Sample De: 06172016AU-15C Lab Sample ID: 06172016AU-16C Lab Sample ID: 621600898-0045 Sample De: 06172016AU-16C Non-Asbestos Comment Lab Sample ID: 621600898-0046 Sample De: 06172016AU-16A Non-Asbestos Comment Lab Sample ID: 621600898-0046 Sample De: 06172016AU-16A Lab Sample ID: 621600898-0046 Color Fibrous Non-Fibrous Asbestos Comment PLM 62120216 Color Fib	PLM	6/21/2016	White	6%	94%	None Detected		
Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT TEST Date Color Fibrous Non-Asbestos Comment PLM 6/21/2016 Black/Silver 0% 95% 5% Chrysotile Cillent Sample ID: 061/2016AU-15B Lab Sample ID: 6/21/2016 EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Analyzed Non-Asbestos Comment Lab Sample ID: 6/21/2016 TEST Date Color Fibrous Non-Asbestos PLM 6/21/2016 Positive Stop (Not Analyzed) Comment PLM 6/21/2016 Positive Stop (Not Analyzed) Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 Sample DD: 06172016AU-15C Lab Sample ID: 621600898-0045 East Stair ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0046 Clent Sample DD: 06172016AU-15C Lab Sample ID: 621600898-0046 East Stair ROOF/SINGLE LAYER BLACK TAR ON ROOF Lab Sample ID: 621600898-0047 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF	Client Sample ID:	06172016AU-15A					Lab Sample ID:	621600898-0043
Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 Black/Silver 0% 95% 5% Chrysotile Cilent Sample ID: 06/17/2016AU-15B Lab Sample ID: 6/21600898-0044 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 6/21600898-0044 TEST Date Color Fibrous Non-Asbestos Comment PLM 6/21/2016 Positive Stop (Not Analyzed) Color Client Sample ID: 06172016AU-16C Client Sample ID: 06172016AU-16C Lab Sample ID: 6/21600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 6/21600898-0045 Sample D: 06172016AU-16C Lab Sample ID: 06172016AU-16C Lab Sample ID: 6/21600898-0046 Client Sample ID: 06172016AU-16C Date Color Fibrous Non-Asbestos Comment FLM 6/21/2016 Date Color Fibrous Non-Asbestos Comment FLM 6/21/2016 Black 0% 92% 8% Chrysotile Colores Client Sample ID: 06172016AU-16B Color	Sample Description:	EAST STAIR ROOF/SILVE		ASHING CEMEI	NT			
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TESTDateColorFibrousNon-FibrousAsbestosCommentPLM6/21/2016Black/Silver0%95%5%6%ChrysotileClient Sample ID:06172016AU-15BLab Sample ID:621600898-0044Sample Description:EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENTLab Sample ID:621600898-0044TESTDateColorFibrousNon-AsbestosCommentTESTDateColorFibrousNon-FibrousAsbestosCommentClient Sample ID:06172016AU-15CLab Sample ID:621600898-0045621600898-0045Sample Description:06172016AU-15CLab Sample ID:621600898-0045Vest STAIR ROOF/SILVER PERIMETER FLASHING CEMENTLab Sample ID:621600898-0045TESTDateColorFibrousNon-AsbestosCommentPLM6/21/2016ColorFibrousNon-FibrousAsbestosCommentPLM6/21/2016GolorFibrousNon-FibrousAsbestosCommentPLM6/21/2016Black0%92%8%ChrysotileSample Description:ColorFibrousNon-FibrousAsbestosCommentPLM6/21/2016Black0%92%8%ChrysotileClient Sample ID:06172016AU-16BLab Sample ID:621600898-0047Sample Description:EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOFLab Sample ID:621600898-0047TESTDateColorFibrousNon		Analyzed		Non-A	sbestos			
PLM 6/21/2016 Black/Silver 0% 95% 5% Chrysotile Client Sample ID: 06172016AU-15B Lab Sample ID: 621600898-0044 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0044 TEST Date Color Fibrous Asbestos Comment PLM 6/21/2016 Positive Stop (Not Analyzed) Color Color Cilent Sample ID: 06172016AU-15C Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 TEST Date Color Fibrous Non-Asbestos TEST Date Color Fibrous Asbestos Comment PLM 6/21/2016 Positive Stop (Not Analyzed) Color Color Color Color Client Sample ID: 06172016AU-16A Lab Sample ID: 621600898-0046 Comment Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Asbestos Comment PLM 6/21/2016 Black 0% 92% 8% Chrysotile <	TEST	Date	Color	Fibrous N	Ion-Fibrous	Asbestos	Comment	
Client Sample ID: 06172016AU-15B Lab Sample ID: 621600898-0044 Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Client Sample ID: 06172016AU-15C Positive Stop (Not Analyzed) Comment Client Sample ID: 06172016AU-15C Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 TEST Date Color Fibrous Non-Asbestos Comment PLM 6/21/2016 Positive Stop (Not Analyzed) Lab Sample ID: 621600898-0046 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Lab Sample ID: 621600898-0047 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Lab Sample ID: 621600898-0047 Client Sample ID: 06172016AU-16B	PLM	6/21/2016	Black/Silver	0%	95%	5% Chrysotile		
Sample Description: EAST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 Positive Stop (Not Analyzed) 6/21/2016 6/21/2016 Colar Fibrous Non-Asbestos Lab Sample ID: 6/21600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 6/21600898-0045 TEST Date Color Fibrous Non-Asbestos Comment PLM 6/21/2016 Positive Stop (Not Analyzed) Color Fibrous Asbestos Comment PLM 6/21/2016AU-16A Lab Sample ID: 06172016AU-16A Lab Sample ID: 6/21600898-0046 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Asbestos Comment TEST Date Color Fibrous Asbestos Comment PLM 6/21/2016 Black 0% 92% 8% Chrysotile Client Sample ID: 06172016AU-16B Black 0% 92% 8% Chrysotile Client Sample ID: 06172016AU-16B Black TAR ON ROOF Lab Sample ID: 6/216	Client Sample ID:	06172016AU-15B					Lab Sample ID:	621600898-0044
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TESTDateColorFibrousNon-FibrousAsbestosCommentPLM6/21/2016903112016AU-15CLab Sample ID:621600898-0045621600898-0045Sample Description:WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENTLab Sample ID:621600898-0045TESTDateColorFibrousNon-AsbestosCommentPLM6/21/2016Positive Stop (Not Analyzed)Comment621600898-0046Sample Description:06172016AU-16ANon-AsbestosComment621600898-0046Sample Description:6/21/201606172016AU-16ALab Sample ID:621600898-0046Sample Description:ColorFibrousNon-AsbestosCommentTESTDateColorFibrousNon-FibrousAsbestosCommentPLM6/21/2016Black0%92%8% Chrysotile5TESTDateColorFibrousNon-FibrousAsbestosCommentPLM6/21/2016Black0%92%8% Chrysotile5Client Sample ID:06172016AU-16BEAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOFLab Sample ID:621600898-0047Sample Description:EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOFLab Sample ID:621600898-0047Sample Description:EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOFLab Sample ID:621600898-0047Sample Description:EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOFLab Sample ID:621600898-0047Sample Description:EAST STAIR ROOF/SINGLE		Analyzed		Non-A	sbestos			
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Client Sample ID: 06172016AU-15C Lab Sample ID: 621600898-0045 Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Lab Sample ID: 621600898-0045 TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 Positive Stop (Not Analyzed) Lab Sample ID: 621600898-0046 Glient Sample ID: 06172016AU-16A Positive Stop (Not Analyzed) Lab Sample ID: 621600898-0046 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Lab Sample ID: 621600898-0046 TEST Date Color Fibrous Non-Fibrous Asbestos TEST Date Color Fibrous Non-Asbestos TEST Date Color Fibrous Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos Comment Lab Comment Lab Comment PLM Otate Color	PLM	6/21/2016			Posit	ive Stop (Not Analyzed)		
Sample Description: WEST STAIR ROOF/SILVER PERIMETER FLASHING CEMENT Analyzed Non-Asbestos Asbestos Comment TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 Positive Stop (Not Analyzed) Lab Sample ID: 621600898-0046 Client Sample ID: 06172016AU-16A Lab Sample ID: 621600898-0046 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Lab Sample ID: 621600898-0046 TEST Date Color Fibrous Non-Fibrous Asbestos Comment PLM 6/21/2016 Black 0% 92% 8% Chrysotile Client Sample ID: 06172016AU-16B East STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Lab Sample ID: 621600898-0047 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Lab Sample ID: 621600898-0047 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Lab Sample ID: 621600898-0047 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Lab Sample ID: 621600898-0047 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF	Client Sample ID:	06172016AU-15C					Lab Sample ID:	621600898-0045
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PLM 6/21/2016 Black 0% 92% 8% Chrysotile Client Sample ID: 06172016AU-16B Lab Sample ID: 621600898-0047 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Fibrous Analyzed Analyzed Non-Asbestos Comment TEST Date Color Fibrous Asbestos Comment PLM 6/21/2016 Positive Ston (Not Analyzed) Fibrous Fibrous	TEST	Date	Color	Fibrous N	Ion-Fibrous	Asbestos	Comment	
Client Sample ID: 06172016AU-16B Lab Sample ID: 621600898-0047 Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos PLM 6/21/2016 Positive Ston (Not Analyzed)	PLM	6/21/2016	Black	0%	92%	8% Chrysotile		
Sample Description: EAST STAIR ROOF/SINGLE LAYER BLACK TAR ON ROOF Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos PLM 6/21/2016 Positive Ston (Not Analyzed)	Client Sample ID:	06172016AU-16B					Lab Sample ID:	621600898-0047
Analyzed Non-Asbestos TEST Date Color Fibrous Non-Fibrous Asbestos PLM 6/21/2016 Positive Ston (Not Analyzed)	Sample Description:	EAST STAIR ROOF/SING	LE LAYER BLACK	TAR ON ROOF			-	
TEST Date Color Fibrous Asbestos Comment PLM 6/21/2016 Positive Stop (Not Analyzed) Environment		Apolyzod		Non A	sheetor			
PLM 6/21/2016 Positive Stop (Not Analyzed)	TEST	Date	Color	Fibrous N	Ion-Fibrous	Asbestos	Comment	
	PI M	6/21/2016	- 5101		Posit	ive Stop (Not Analyzed)		



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EMSL Order ID: 621600898 Customer ID: ENVI54 20120232.D1E Customer PO: Project ID:

	Summary Test Re	port for Asb	estos An	alysis of B	ulk Material via E	PA 600/R-93/	116
Client Sample ID:	06172016AU-16C			•		Lab Sample ID:	621600898-0048
Sample Description:	WEST STAIR ROOF/SING	LE LAYER BLACK	TAR ON ROO)F			
TEAT	Analyzed	0.1	Non	-Asbestos	A - L 4	Comment	
DIM	E/21/2016	Color	Fibrous	Non-Fibrous	Aspestos	Comment	
	0/21/2010			Posi	live Stop (Not Analyzed)		
Client Sample ID:	06172016AU-17A					Lab Sample ID:	621600898-0049
Sample Description:	EXTERIOR SECURITY BO	DOTH/WHITE/BLAC	CK RUBBERY	CAULK			
TEAT	Analyzed	0.1	Non	-Asbestos	A-L	Commont	
	6/21/2016	White/Black	Fibrous	100%	Aspestos	Comment	
TEM Gray Reduction	6/22/2016	White/Black	0//	100%	None Detected		
		Winter Bilder	0.078	10078	Hone Decord		
Client Sample ID:	06172016AU-17B					Lab Sample ID:	621600898-0050
Sample Description:	EXTERIOR SECURITY BO	DOTH/WHITE/BLAC	CK RUBBERY	CAULK			
	A						
TEST	Analyzed	Color	Non	-Aspestos	Ashastas	Comment	
PLM	6/21/2016	White/Black	0%	100%	None Detected	Comment	
	0/21/2010	Winter Black		10075	None Deletied		
Client Sample ID:	06172016AU-17C					Lab Sample ID:	621600898-0051
Sample Description:	EXTERIOR SECURITY BO						
				• • •			
TEST	Analyzed	Color	Non	-Aspestos	Ashastas	Comment	
	6/21/2016	White/Black		100%	None Detected	Comment	
	072172010	WHILE/BIBOK	0/0	100/3	None Detected		
Client Sample ID:	06172016AU-18A					Lab Sample ID:	621600898-0052
Sample Description:	LEVEL 1 - EAST CORNEF	R/GRAY DUCK SEA	LANT				
	A = -1		N 1	A - L			
TEST	Analyzed Date	Color	Fibrous	-Aspestos Non-Fibrous	Ashestos	Comment	
	6/21/2016	Grav		100%	<1% Chrysotile	Gomment	
TEM Grav. Reduction	6/22/2016	Gray	0.0%	100%	<0.52% Chrysotile		
	00470040011400					Lab Sampla ID:	621600909 0052
Client Sample ID:	U0172010AU-18B					Lan Sample ID.	021000030-0033
Sample Description:	LEVEL 1 - EAST CORNEF	VGRAY DUCK SEA	LANI				
	Apolyzod		Non	Achietos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	0%	100%	<1% Chrysotile		
	06172016411 104				-	l ab Samola ID:	621600898-0054
Client Sample ID:						Lab Sample ID.	621000030-0034
Sample Description.	EAST STAIRWAYS/SELF-	STICK BLACK STA	IR TREADS				
	Analyzed		Non	-Ashestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	0%	100%	None Detected		
TEM Grav. Reduction	6/22/2016	Black	0.0%	100%	None Detected		
Client Sample ID:	06172016AU-19B					Lab Sample ID:	621600898-0055
Sample Description						0000	
campic beautipuoli.	EAGT STAIRWATS/SELF-	STICK BLACK STA	IN INEAUS				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	0%	100%	None Detected		

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	Summary Test Re	port for Asl	bestos An	alysis of Bul	k Material via E	PA 600/R-93/	116
Client Sample ID:	06172016AU-19C			-		Lab Sample ID:	621600898-0056
Sample Description:	EAST STAIRWAYS/SELF-S						
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Black	0%	100%	None Detected		
Client Sample ID:	06172016AU-20A					Lab Sample ID:	621600898-0057
Sample Description:	SECURITY BOOTH/WHITE		ORING WITH	CIRCLE PATTERNS	3		
	Analyzed		Non	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	White	0%	100%	None Detected		
TEM Grav. Reduction	6/22/2016	White	0.0%	100%	None Detected		
Client Sample ID:	06172016AU-20B					Lab Sample ID:	621600898-0058
Sample Description:	SECURITY BOOTH/WHITE	LINOLEUM FLC	ORING WITH	CIRCLE PATTERNS	6		
TEAT	Analyzed	0.1	Non	Asbestos	A - b 4	C	
	6/21/2016	White	FIDrous	100%	Aspestos Nepe Detected	Comment	
	0/21/2010	wille	0 /8	100 %			
Client Sample ID:	06172016AU-20C					Lab Sample ID:	621600898-0059
Sample Description:	SECURITY BOOTH/WHITE						
TEET	Analyzed	Color	Non	Asbestos	Ashastas	Commont	
PLM	6/21/2016	White	10100s	100%	None Detected	Comment	
	0/21/2010	VVIIIC	075	10075	None Delected		
Client Sample ID:	06172016AU-21A					Lab Sample ID:	621600898-0060
Sample Description:	SECURITY BOOTH/BROW						
		FALLERING	Non	Ashastas			
TEST	Analyzeu Nate	Color	Fibrous	Non-Fibrous	Ashestos	Comment	
PLM	6/21/2016	Brown	0%	100%	None Detected		
TEM Grav. Reduction	6/22/2016	Brown	0.0%	100%	None Detected		
Client Sample ID:	06172016ALL21B					Lab Sample ID:	621600898-0061
Sample Description:					16.4	zab oampie ib.	
Sumple Description.	FLOORING WITH CIRCLE	PATTERNS	SOCIATED WI		INI		
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Brown	0%	100%	None Detected		
Client Sample ID:	06172016AU-21C					Lab Sample ID:	621600898-0062
Sample Description:	SECURITY BOOTH/BROW	NADHESIVE AS	SOCIATED W/I	TH WHITE LINOL FI	JM	-	
	FLOORING WITH CIRCLE						
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Brown	0%	100%	None Detected		
Client Sample ID:	06172016AU-22A					Lab Sample ID:	621600898-0063
Sample Description:	SECURITY BOOTH/YELLO	W WALL CARPE	T GLUE				
		37.0.0					
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Yellow	0%	100%	None Detected		

0.0%

100%

None Detected

6/22/2016

Yellow

TEM Grav. Reduction

- -



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	Summary Test Rep	port for Asi	pestos Ana	lysis of Bulk	Material via E	PA 600/R-93/	116
Client Sample ID:	06172016AU-22B					Lab Sample ID:	621600898-0064
Sample Description:	SECURITY BOOTH/YELLO	W WALL CARPE	TGLUE				
	Analyzed		Non-A	sbestos			
TEST	Date	Color	Fibrous f	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Yellow	0%	100%	None Detected		
Client Sample ID:	06172016AU-22C					Lab Sample ID:	621600898-0065
Sample Description:	SECURITY BOOTH/YELLO	W WALL CARPE	TGLUE				
	Analyzed		Non-A	sbestos			
TEST	Date	Color	Fibrous I	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Yellow	0%	100%	None Detected		
Client Sample ID:	06172016AU-23A					Lab Sample ID:	621600898-0066
Sample Description:	SECURITY BOOTH/WHITE	TEXTURED ON	FIBERGLASS C	EILING BOARD			
	Analyzed		Non-A	sbestos			
TEST	Date	Color	Fibrous I	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	White	0%	100%	None Detected		
Client Sample ID:	06172016AU-23B					Lab Sample ID:	621600898-0067
Sample Description:	SECURITY BOOTH/WHITE	TEXTURED ON	FIBERGLASS C	EILING BOARD			
	Analyzed		Non-A	sbestos			
TEST	Date	Color	Fibrous I	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	White	0%	100%	None Detected		
Client Sample ID:	06172016AU-23C					Lab Sample ID:	621600898-0068
Sample Description:	SECURITY BOOTH/WHITE	TEXTURED ON	FIBERGLASS C	EILING BOARD			
	Analyzed		Non-A	sbestos			
TEST	Date	Color	Fibrous I	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	White	0%	100%	None Detected		
Client Sample ID:	06172016AU-24A					Lab Sample ID:	621600898-0069
Sample Description:	LEVEL - @ DRAIN BOWLS	/WHITE/GRAY D	RAIN BOWL MU	DDED INSULATION	I		
	Analyzed		Non-A	sbestos			
TEST	Date	Color	Fibrous I	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	51%	49%	None Detected		
Client Sample ID:	06172016AU-24B					Lab Sample ID:	621600898-0070
Sample Description:	LEVEL - @ DRAIN BOWLS	/WHITE/GRAY D	RAIN BOWL MU	DDED INSULATION	I		
	Analyzed		Non-A	sbestos			
TEST	Date	Color	Fibrous I	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	50%	50%	None Detected		
Client Sample ID:	06172016AU-24C					Lab Sample ID:	621600898-0071
Sample Description:	LEVEL - @ DRAIN BOWLS	/WHITE/GRAY D	RAIN BOWL MU	DDED INSULATION	I		
	Analyzed		Non-4	sbestos			
TEST	Date	Color	Fibrous 1	Non-Fibrous	Asbestos	Comment	
PLM	6/21/2016	Gray	51%	49%	None Detected		



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Analyst(s):

Christina Walker PLM (63) TEM Grav. Reduction (18)

Reviewed and approved by:

Christina Walker, Laboratory Manager or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM alone is not consistently reliable in detecting asbestos in floor coverings and similar NOBs

Samples analyzed by EMSL Analytical, Inc. South Portland, ME

Initial report from: 06/22/201614:54:57



Appendix D

Site Photographs

 $F: \D2012 \0232 \D1E \Deliverables \Report \Hazardous Bldg Materials Inspection_Garage_20160713. docx$





1952 Building – 1st/2nd floor Stairwell B confined space access



1952 Building – 2nd floor Kitchen prep area confined space access





1952 Building – 1st floor mechanical space



1952 Building – 1st floor mechanical space





1958 Building – 1st floor Room 100A Confined space access



North Addition – 1st floor Confined space access (accessed from 1952 1st floor).





1968 Building - Basement overhead pipe chase



Laundry – 1^{st} floor sump area confined space access



Appendix E

Lead Paint Determination Field Data Sheet



www.fando.com

(860) 646-2469 Fax (860) 649-6883

		VDE LEAD SCR	FENING FIF	D DATA SHEET	Page of
Inspector Name	Carlo	s Texidor	In:	spector License #:	001884
Date: 7	8 2016		XRF Model:	RmD-1	Serial :
Project Name: _	1 King	Place, Me	riden	Project Number:	20120232.DIE
Address:	King Pla	ice, Merid	ien, CT	Project PM	1: C. Texidor

XRF Calibration Check-RMD (0.7 to 1.3 mg/cm² inclusive)

	Hour	First Reading	Second Reading	Third Reading	Average
First Check	07:00	1.0	1.1		1.05
Second Check					
Third Check					
Fourth Check					

Side	Surface/Component	Substrate	XRF Reading	Positive (V)	Comments/Notes
ist level	concrete decking	concrete	2.9	Y	Vellow Parking lines
2rdles.	concrete decking	Lonciele	2.8	Y	Yellow Parka lines
-					
	and the second se				

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR – Vinyl Replacement



Appendix F

PCB Laboratory Report and Chain of Custody Form



Monday, June 27, 2016

Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

Project ID: CITY OF MERIDEN - 1 KING PL PARKING LOT Sample ID#s: BN58116 - BN58166

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,

Xille.

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



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-01A

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/17/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C))						
PCB-1016	ND	0.8	mg/kg	5	06/22/16	AW	SW8082A
PCB-1221	ND	0.8	mg/kg	5	06/22/16	AW	SW8082A
PCB-1232	ND	0.8	mg/kg	5	06/22/16	AW	SW8082A
PCB-1242	ND	0.8	mg/kg	5	06/22/16	AW	SW8082A
PCB-1248	ND	0.8	mg/kg	5	06/22/16	AW	SW8082A
PCB-1254	ND	0.8	mg/kg	5	06/22/16	AW	SW8082A
PCB-1260	ND	0.8	mg/kg	5	06/22/16	AW	SW8082A
PCB-1262	ND	0.8	mg/kg	5	06/22/16	AW	SW8082A
PCB-1268	ND	0.8	mg/kg	5	06/22/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	55		%	5	06/22/16	AW	30 - 150 %
% TCMX	51		%	5	06/22/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	Time
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-01B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Bv	Reference
Caulk Extraction for PCB	Completed				06/17/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	53		%	5	06/22/16	AW	30 - 150 %
% TCMX	50		%	5	06/22/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-01C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/17/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	06/22/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	51		%	5	06/22/16	AW	30 - 150 %
% TCMX	42		%	5	06/22/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-02A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/17/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.82	mg/kg	5	06/20/16	AW	SW8082A
PCB-1221	ND	0.82	mg/kg	5	06/20/16	AW	SW8082A
PCB-1232	ND	0.82	mg/kg	5	06/20/16	AW	SW8082A
PCB-1242	ND	0.82	mg/kg	5	06/20/16	AW	SW8082A
PCB-1248	ND	0.82	mg/kg	5	06/20/16	AW	SW8082A
PCB-1254	ND	0.82	mg/kg	5	06/20/16	AW	SW8082A
PCB-1260	ND	0.82	mg/kg	5	06/20/16	AW	SW8082A
PCB-1262	ND	0.82	mg/kg	5	06/20/16	AW	SW8082A
PCB-1268	ND	0.82	mg/kg	5	06/20/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	67		%	5	06/20/16	AW	30 - 150 %
% TCMX	54		%	5	06/20/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-02B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/17/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.79	mg/kg	5	06/20/16	AW	SW8082A
PCB-1221	ND	0.79	mg/kg	5	06/20/16	AW	SW8082A
PCB-1232	ND	0.79	mg/kg	5	06/20/16	AW	SW8082A
PCB-1242	ND	0.79	mg/kg	5	06/20/16	AW	SW8082A
PCB-1248	ND	0.79	mg/kg	5	06/20/16	AW	SW8082A
PCB-1254	ND	0.79	mg/kg	5	06/20/16	AW	SW8082A
PCB-1260	ND	0.79	mg/kg	5	06/20/16	AW	SW8082A
PCB-1262	ND	0.79	mg/kg	5	06/20/16	AW	SW8082A
PCB-1268	ND	0.79	mg/kg	5	06/20/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	51		%	5	06/20/16	AW	30 - 150 %
% TCMX	36		%	5	06/20/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	Time	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-02C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	81		%	5	06/21/16	AW	30 - 150 %
% TCMX	72		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June	27,	201	6

Sample Information		Custody Inforn	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E		Data		

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-03A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ	SW3540C
PCB (Soxhlet SW3540	<u>C)</u>						
PCB-1016	ND	0.66	mg/kg	2	06/21/16	AW	SW8082A
PCB-1221	ND	0.66	mg/kg	2	06/21/16	AW	SW8082A
PCB-1232	ND	0.66	mg/kg	2	06/21/16	AW	SW8082A
PCB-1242	ND	0.66	mg/kg	2	06/21/16	AW	SW8082A
PCB-1248	ND	0.66	mg/kg	2	06/21/16	AW	SW8082A
PCB-1254	ND	0.66	mg/kg	2	06/21/16	AW	SW8082A
PCB-1260	ND	0.66	mg/kg	2	06/21/16	AW	SW8082A
PCB-1262	ND	0.66	mg/kg	2	06/21/16	AW	SW8082A
PCB-1268	ND	0.66	mg/kg	2	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	52		%	2	06/21/16	AW	30 - 150 %
% TCMX	32		%	2	06/21/16	AW	30 - 150 %

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

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.

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

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June 27, 2016

Sample Information		Custody Inform	Date	Time	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-03B

Daramatar	Docult	RL/	Linito	Dilution	Data/Tima	Dv	Reference
Parameter	Result	PQL	Units	Dilution	Date/Time	БУ	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	60		%	5	06/21/16	AW	30 - 150 %
% TCMX	32		%	5	06/21/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	Time	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-03C

Parameter	Result	RL/ PQL	ι	Jnits	Dilution	Date/Time	Ву	Reference	
Caulk Extraction for PCB	Completed					06/22/16	QQ/RF	8 SW3540C	
PCB (Soxhlet SW35400	C)								
PCB-1016	ND	0.83	m	ng/kg	5	06/23/16	AW	SW8082A	
PCB-1221	ND	0.83	r	ng/kg	5	06/23/16	AW	SW8082A	
PCB-1232	ND	0.83	r	ng/kg	5	06/23/16	AW	SW8082A	
PCB-1242	ND	0.83	r	ng/kg	5	06/23/16	AW	SW8082A	
PCB-1248	ND	0.83	r	ng/kg	5	06/23/16	AW	SW8082A	
PCB-1254	ND	0.83	rr	ng/kg	5	06/23/16	AW	SW8082A	
PCB-1260	ND	0.83	r	ng/kg	5	06/23/16	AW	SW8082A	
PCB-1262	ND	0.83	r	ng/kg	5	06/23/16	AW	SW8082A	
PCB-1268	ND	0.83	r	ng/kg	5	06/23/16	AW	SW8082A	
QA/QC Surrogates									
% DCBP	47			%	5	06/23/16	AW	30 - 150 %	
% TCMX	26			%	5	06/23/16	AW	30 - 150 %	3

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

3 = This parameter exceeds laboratory specified limits.

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.

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

PCB Comment:

Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

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

Phyllis,Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-04A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.81	mg/kg	5	06/23/16	AW	SW8082A
PCB-1221	ND	0.81	mg/kg	5	06/23/16	AW	SW8082A
PCB-1232	ND	0.81	mg/kg	5	06/23/16	AW	SW8082A
PCB-1242	ND	0.81	mg/kg	5	06/23/16	AW	SW8082A
PCB-1248	ND	0.81	mg/kg	5	06/23/16	AW	SW8082A
PCB-1254	ND	0.81	mg/kg	5	06/23/16	AW	SW8082A
PCB-1260	ND	0.81	mg/kg	5	06/23/16	AW	SW8082A
PCB-1262	ND	0.81	mg/kg	5	06/23/16	AW	SW8082A
PCB-1268	ND	0.81	mg/kg	5	06/23/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	71		%	5	06/23/16	AW	30 - 150 %
% TCMX	61		%	5	06/23/16	AW	30 - 150 %
		RL/					
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Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	Time	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-04B

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1221	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1232	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1242	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1248	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1254	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1260	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1262	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1268	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	81		%	5	06/23/16	AW	30 - 150 %
% TCMX	69		%	5	06/23/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-04C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1221	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1232	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1242	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1248	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1254	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1260	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1262	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
PCB-1268	ND	0.75	mg/kg	5	06/23/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	81		%	5	06/23/16	AW	30 - 150 %
% TCMX	71		%	5	06/23/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	nation	Date	Time
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				ODNEGA

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-05A

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	91		%	5	06/21/16	AW	30 - 150 %
% TCMX	91		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-05B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Bv	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.74	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.74	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.74	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.74	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.74	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.74	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.74	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.74	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.74	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	90		%	5	06/21/16	AW	30 - 150 %
% TCMX	80		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-05C

		RL/						
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference	
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C	
PCB (Soxhlet SW35400	<u>C)</u>							
PCB-1016	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1221	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1232	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1242	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1248	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1254	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1260	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1262	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1268	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A	
QA/QC Surrogates								
% DCBP	97		%	5	06/21/16	AW	30 - 150 %	
% TCMX	99		%	5	06/21/16	AW	30 - 150 %	

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-06A

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540	<u>C)</u>						
PCB-1016	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	94		%	5	06/21/16	AW	30 - 150 %
% TCMX	99		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-06B

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.75	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.75	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.75	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.75	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.75	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.75	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.75	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.75	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.75	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	87		%	5	06/21/16	AW	30 - 150 %
% TCMX	90		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-06C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540	<u>()</u>						
PCB-1016	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	97		%	5	06/21/16	AW	30 - 150 %
% TCMX	100		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-07A

Parameter	Result	RL/ PQL	Units	Dilutic	on Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW35400	<u>)</u>						
PCB-1016	ND	0.73	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.73	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.73	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.73	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.73	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.73	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.73	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.73	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.73	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	93		%	5	06/21/16	AW	30 - 150 %
% TCMX	96		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-07B

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.7	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.7	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.7	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.7	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.7	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.7	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.7	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.7	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.7	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	107		%	5	06/21/16	AW	30 - 150 %
% TCMX	105		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-07C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	99		%	5	06/21/16	AW	30 - 150 %
% TCMX	100		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-08A

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW35400	<u>C)</u>						
PCB-1016	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	97		%	5	06/21/16	AW	30 - 150 %
% TCMX	95		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-08B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.78	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.78	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.78	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.78	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.78	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.78	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.78	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.78	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.78	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	109		%	5	06/21/16	AW	30 - 150 %
% TCMX	111		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	Time	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-08C

		RL/				_	
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.79	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	95		%	5	06/21/16	AW	30 - 150 %
% TCMX	97		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-09A

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.58	mg/kg	2	06/21/16	AW	SW8082A
PCB-1221	ND	0.58	mg/kg	2	06/21/16	AW	SW8082A
PCB-1232	ND	0.58	mg/kg	2	06/21/16	AW	SW8082A
PCB-1242	ND	0.58	mg/kg	2	06/21/16	AW	SW8082A
PCB-1248	ND	0.58	mg/kg	2	06/21/16	AW	SW8082A
PCB-1254	ND	0.58	mg/kg	2	06/21/16	AW	SW8082A
PCB-1260	ND	0.58	mg/kg	2	06/21/16	AW	SW8082A
PCB-1262	ND	0.58	mg/kg	2	06/21/16	AW	SW8082A
PCB-1268	ND	0.58	mg/kg	2	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	67		%	2	06/21/16	AW	30 - 150 %
% TCMX	58		%	2	06/21/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-09B

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1221	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1232	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1242	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1248	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1254	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1260	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1262	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1268	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	59		%	2	06/22/16	AW	30 - 150 %
% TCMX	53		%	2	06/22/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-09C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW35400	<u>)</u>						
PCB-1016	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1221	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1232	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1242	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1248	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1254	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1260	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1262	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1268	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	43		%	2	06/21/16	AW	30 - 150 %
% TCMX	34		%	2	06/21/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-10A

		RL/						
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference	
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C	
PCB (Soxhlet SW3540	<u>C)</u>							
PCB-1016	ND	0.82	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1221	ND	0.82	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1232	ND	0.82	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1242	ND	0.82	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1248	ND	0.82	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1254	ND	0.82	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1260	ND	0.82	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1262	ND	0.82	mg/kg	5	06/21/16	AW	SW8082A	
PCB-1268	ND	0.82	mg/kg	5	06/21/16	AW	SW8082A	
QA/QC Surrogates								
% DCBP	48		%	5	06/21/16	AW	30 - 150 %	
% TCMX	40		%	5	06/21/16	AW	30 - 150 %	
		RL/						
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Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference	

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-10B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)						
PCB-1016	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	48		%	5	06/21/16	AW	30 - 150 %
% TCMX	39		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June	27,	2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E	Laborator	Data		

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-10C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/22/16	QQ/RR	SW3540C
PCB (Soxhlet SW3540C)	<u>.</u>						
PCB-1016	ND	0.81	mg/kg	5	06/24/16	AW	SW8082A
PCB-1221	ND	0.81	mg/kg	5	06/24/16	AW	SW8082A
PCB-1232	ND	0.81	mg/kg	5	06/24/16	AW	SW8082A
PCB-1242	ND	0.81	mg/kg	5	06/24/16	AW	SW8082A
PCB-1248	ND	0.81	mg/kg	5	06/24/16	AW	SW8082A
PCB-1254	ND	0.81	mg/kg	5	06/24/16	AW	SW8082A
PCB-1260	ND	0.81	mg/kg	5	06/24/16	AW	SW8082A
PCB-1262	ND	0.81	mg/kg	5	06/24/16	AW	SW8082A
PCB-1268	ND	0.81	mg/kg	5	06/24/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	44		%	5	06/24/16	AW	30 - 150 %
% TCMX	35		%	5	06/24/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-11A

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540	<u>C)</u>						
PCB-1016	ND	0.64	mg/kg	2	06/21/16	AW	SW8082A
PCB-1221	ND	0.64	mg/kg	2	06/21/16	AW	SW8082A
PCB-1232	ND	0.64	mg/kg	2	06/21/16	AW	SW8082A
PCB-1242	ND	0.64	mg/kg	2	06/21/16	AW	SW8082A
PCB-1248	ND	0.64	mg/kg	2	06/21/16	AW	SW8082A
PCB-1254	ND	0.64	mg/kg	2	06/21/16	AW	SW8082A
PCB-1260	ND	0.64	mg/kg	2	06/21/16	AW	SW8082A
PCB-1262	ND	0.64	mg/kg	2	06/21/16	AW	SW8082A
PCB-1268	ND	0.64	mg/kg	2	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	58		%	2	06/21/16	AW	30 - 150 %
% TCMX	47		%	2	06/21/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-11B

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)						
PCB-1016	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.8	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	65		%	5	06/21/16	AW	30 - 150 %
% TCMX	62		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-11C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C	<u>;)</u>						
PCB-1016	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	72		%	5	06/21/16	AW	30 - 150 %
% TCMX	61		%	5	06/21/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	Time
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-12A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	75		%	5	06/21/16	AW	30 - 150 %
% TCMX	74		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-12B

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	93		%	5	06/21/16	AW	30 - 150 %
% TCMX	90		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-12C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	91		%	5	06/21/16	AW	30 - 150 %
% TCMX	89		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-13A

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540	<u>C)</u>						
PCB-1016	ND	0.68	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.68	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.68	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.68	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.68	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.68	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.68	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.68	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.68	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	92		%	5	06/21/16	AW	30 - 150 %
% TCMX	85		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-13B

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.81	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	89		%	5	06/21/16	AW	30 - 150 %
% TCMX	82		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-13C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.32	mg/kg	10	06/21/16	AW	SW8082A
PCB-1221	ND	0.32	mg/kg	10	06/21/16	AW	SW8082A
PCB-1232	ND	0.32	mg/kg	10	06/21/16	AW	SW8082A
PCB-1242	ND	0.32	mg/kg	10	06/21/16	AW	SW8082A
PCB-1248	ND	0.32	mg/kg	10	06/21/16	AW	SW8082A
PCB-1254	ND	0.32	mg/kg	10	06/21/16	AW	SW8082A
PCB-1260	ND	0.32	mg/kg	10	06/21/16	AW	SW8082A
PCB-1262	ND	0.32	mg/kg	10	06/21/16	AW	SW8082A
PCB-1268	ND	0.32	mg/kg	10	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	84		%	10	06/21/16	AW	30 - 150 %
% TCMX	74		%	10	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-14A

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/22/16	QQ/RF	8 SW3540C
PCB (Soxhlet SW3540C))						
PCB-1016	ND	0.8	mg/kg	5	06/23/16	AW	SW8082A
PCB-1221	ND	0.8	mg/kg	5	06/23/16	AW	SW8082A
PCB-1232	ND	0.8	mg/kg	5	06/23/16	AW	SW8082A
PCB-1242	ND	0.8	mg/kg	5	06/23/16	AW	SW8082A
PCB-1248	ND	0.8	mg/kg	5	06/23/16	AW	SW8082A
PCB-1254	ND	0.8	mg/kg	5	06/23/16	AW	SW8082A
PCB-1260	ND	0.8	mg/kg	5	06/23/16	AW	SW8082A
PCB-1262	ND	0.8	mg/kg	5	06/23/16	AW	SW8082A
PCB-1268	ND	0.8	mg/kg	5	06/23/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	43		%	5	06/23/16	AW	30 - 150 %
% TCMX	36		%	5	06/23/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-14B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.77	mg/kg	5	06/22/16	AW	SW8082A
PCB-1221	ND	0.77	mg/kg	5	06/22/16	AW	SW8082A
PCB-1232	ND	0.77	mg/kg	5	06/22/16	AW	SW8082A
PCB-1242	ND	0.77	mg/kg	5	06/22/16	AW	SW8082A
PCB-1248	ND	0.77	mg/kg	5	06/22/16	AW	SW8082A
PCB-1254	ND	0.77	mg/kg	5	06/22/16	AW	SW8082A
PCB-1260	ND	0.77	mg/kg	5	06/22/16	AW	SW8082A
PCB-1262	ND	0.77	mg/kg	5	06/22/16	AW	SW8082A
PCB-1268	ND	0.77	mg/kg	5	06/22/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	40		%	5	06/22/16	AW	30 - 150 %
% TCMX	34		%	5	06/22/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-14C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.77	mg/kg	5	06/23/16	AW	SW8082A
PCB-1221	ND	0.77	mg/kg	5	06/23/16	AW	SW8082A
PCB-1232	ND	0.77	mg/kg	5	06/23/16	AW	SW8082A
PCB-1242	ND	0.77	mg/kg	5	06/23/16	AW	SW8082A
PCB-1248	ND	0.77	mg/kg	5	06/23/16	AW	SW8082A
PCB-1254	ND	0.77	mg/kg	5	06/23/16	AW	SW8082A
PCB-1260	ND	0.77	mg/kg	5	06/23/16	AW	SW8082A
PCB-1262	ND	0.77	mg/kg	5	06/23/16	AW	SW8082A
PCB-1268	ND	0.77	mg/kg	5	06/23/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	68		%	5	06/23/16	AW	30 - 150 %
% TCMX	54		%	5	06/23/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Informa	ation	Custody Inform	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-15A

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1221	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1232	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1242	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1248	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1254	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1260	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1262	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
PCB-1268	ND	0.66	mg/kg	2	06/22/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	68		%	2	06/22/16	AW	30 - 150 %
% TCMX	60		%	2	06/22/16	AW	30 - 150 %

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

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.

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-15B

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.63	mg/kg	2	06/21/16	AW	SW8082A
PCB-1221	ND	0.63	mg/kg	2	06/21/16	AW	SW8082A
PCB-1232	ND	0.63	mg/kg	2	06/21/16	AW	SW8082A
PCB-1242	ND	0.63	mg/kg	2	06/21/16	AW	SW8082A
PCB-1248	ND	0.63	mg/kg	2	06/21/16	AW	SW8082A
PCB-1254	ND	0.63	mg/kg	2	06/21/16	AW	SW8082A
PCB-1260	ND	0.63	mg/kg	2	06/21/16	AW	SW8082A
PCB-1262	ND	0.63	mg/kg	2	06/21/16	AW	SW8082A
PCB-1268	ND	0.63	mg/kg	2	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	65		%	2	06/21/16	AW	30 - 150 %
% TCMX	57		%	2	06/21/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-15C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/22/16	QQ/RR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.41	mg/kg	2	06/23/16	AW	SW8082A
PCB-1221	ND	0.41	mg/kg	2	06/23/16	AW	SW8082A
PCB-1232	ND	0.41	mg/kg	2	06/23/16	AW	SW8082A
PCB-1242	ND	0.41	mg/kg	2	06/23/16	AW	SW8082A
PCB-1248	ND	0.41	mg/kg	2	06/23/16	AW	SW8082A
PCB-1254	ND	0.41	mg/kg	2	06/23/16	AW	SW8082A
PCB-1260	ND	0.41	mg/kg	2	06/23/16	AW	SW8082A
PCB-1262	ND	0.41	mg/kg	2	06/23/16	AW	SW8082A
PCB-1268	ND	0.41	mg/kg	2	06/23/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	54		%	2	06/23/16	AW	30 - 150 %
% TCMX	51		%	2	06/23/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-16A

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1221	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1232	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1242	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1248	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1254	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1260	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1262	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
PCB-1268	ND	0.65	mg/kg	2	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	47		%	2	06/21/16	AW	30 - 150 %
% TCMX	42		%	2	06/21/16	AW	30 - 150 %
		RL/					
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Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-16B

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW35400	<u>;)</u>						
PCB-1016	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1221	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1232	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1242	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1248	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1254	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1260	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1262	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1268	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	49		%	2	06/21/16	AW	30 - 150 %
% TCMX	42		%	2	06/21/16	AW	30 - 150 %

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

Comments:

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

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-16C

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.92	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.92	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.92	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.92	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.92	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.92	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.92	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.92	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.92	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	45		%	5	06/21/16	AW	30 - 150 %
% TCMX	40		%	5	06/21/16	AW	30 - 150 %

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

Comments:

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-17A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	96		%	5	06/21/16	AW	30 - 150 %
% TCMX	85		%	5	06/21/16	AW	30 - 150 %

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

Comments:

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

Phyllis, Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-17B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.96	mg/kg	5	06/21/16	AW	SW8082A
PCB-1221	ND	0.96	mg/kg	5	06/21/16	AW	SW8082A
PCB-1232	ND	0.96	mg/kg	5	06/21/16	AW	SW8082A
PCB-1242	ND	0.96	mg/kg	5	06/21/16	AW	SW8082A
PCB-1248	ND	0.96	mg/kg	5	06/21/16	AW	SW8082A
PCB-1254	ND	0.96	mg/kg	5	06/21/16	AW	SW8082A
PCB-1260	ND	0.96	mg/kg	5	06/21/16	AW	SW8082A
PCB-1262	ND	0.96	mg/kg	5	06/21/16	AW	SW8082A
PCB-1268	ND	0.96	mg/kg	5	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	103		%	5	06/21/16	AW	30 - 150 %
% TCMX	89		%	5	06/21/16	AW	30 - 150 %

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

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.

Phyllis Shiller, Laboratory Director June 27, 2016 Reviewed and Released by: Ethan Lee, Project Manager



Analysis Report

FOR: Attn: Carlos Texidor Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

June 27, 2016

Sample Information		Custody Inform	Date	<u>Time</u>	
Matrix:	SOLID	Collected by:		06/17/16	14:00
Location Code:	F&OENVPCBDAS	Received by:	DL	06/17/16	20:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20120232D1E				

Laboratory Data

Project ID:	CITY OF MERIDEN - 1 KING PL PARKING LOT
Client ID:	061716UA-PCBS-17C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				06/20/16	QQ/IR	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1221	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1232	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1242	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1248	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1254	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1260	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1262	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
PCB-1268	ND	0.5	mg/kg	2	06/21/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	80		%	2	06/21/16	AW	30 - 150 %
% TCMX	73		%	2	06/21/16	AW	30 - 150 %

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

Comments:

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

Phyllis Shiller, Laboratory Director June 27, 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

QA/QC Data

SDG I.D.: GBN58116

June 27, 2016

Parameter	Blank	Blk RL		LCS %	LCSE %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 349628 (ug/K BN58127, BN58128, BN581 BN58139, BN58140)	g), QC Samj 29, BN5813	ole No: B 0, BN581	N58121 10X (BI 31, BN58132, E	N58121, BN5 3N58133, BN	58122, E 158134,	3N58123 BN5813	, BN58 5, BN5	8124, BN 58136, B	N58125 N5813	, BN581 7, BN58	26, 3138,
Polychlorinated Bipher	<u>nyls - Solia</u>	<u>k</u>									
PCB-1016	ND	170		86	84	2.4				40 - 140	30
PCB-1221	ND	170								40 - 140	30
PCB-1232	ND	170								40 - 140	30
PCB-1242	ND	170								40 - 140	30
PCB-1248	ND	170								40 - 140	30
PCB-1254	ND	170								40 - 140	30
PCB-1260	ND	170		92	88	4.4				40 - 140	30
PCB-1262	ND	170								40 - 140	30
PCB-1268	ND	170								40 - 140	30
% DCBP (Surrogate Rec)	92	%		100	93	7.3				30 - 150	30
% TCMX (Surrogate Rec) Comment:	77	%		83	76	8.8				30 - 150	30

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

QA/QC Batch 349629 (ug/Kg), QC Sample No: BN58141 10X (BN58141, BN58142, BN58143, BN58144, BN58145, BN58146, BN58147, BN58148, BN58149, BN58150, BN58151, BN58152, BN58153, BN58154, BN58155, BN58156, BN58157, BN58158, BN58159, BN58160)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	170	82	74	10.3	40 - 140	30
PCB-1221	ND	170				40 - 140	30
PCB-1232	ND	170				40 - 140	30
PCB-1242	ND	170				40 - 140	30
PCB-1248	ND	170				40 - 140	30
PCB-1254	ND	170				40 - 140	30
PCB-1260	ND	170	95	92	3.2	40 - 140	30
PCB-1262	ND	170				40 - 140	30
PCB-1268	ND	170				40 - 140	30
% DCBP (Surrogate Rec)	78	%	90	92	2.2	30 - 150	30
% TCMX (Surrogate Rec)	72	%	77	69	11.0	30 - 150	30
Comment:							

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

QA/QC Batch 349513 (ug/Kg), QC Sample No: BN58169 10X (BN58116, BN58117, BN58118, BN58119, BN58120)

Polychlorinated Biphenyls	- Solic	<u>l</u>								
PCB-1016	ND	170	68	69	1.5	72	76	5.4	40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30

QA/QC Data

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1260	ND	170		82	87	5.9	81	78	3.8	40 - 140	30
PCB-1262	ND	170								40 - 140	30
PCB-1268	ND	170								40 - 140	30
% DCBP (Surrogate Rec)	87	%		86	89	3.4	83	90	8.1	30 - 150	30
% TCMX (Surrogate Rec)	68	%		64	64	0.0	73	75	2.7	30 - 150	30
QA/QC Batch 349630 (ug/Kg), Q	C Sam	ple No: E	BN58858 10X (BN58161	, BN58	8162, BN	158163,	BN58	164, BN	58165	BN581	66)
Polychlorinated Biphenyls	- Soli	<u>b</u>									
PCB-1016	ND	170		70	84	18.2	84	80	4.9	40 - 140	30
PCB-1221	ND	170								40 - 140	30
PCB-1232	ND	170								40 - 140	30
PCB-1242	ND	170								40 - 140	30
PCB-1248	ND	170								40 - 140	30
PCB-1254	ND	170								40 - 140	30
PCB-1260	ND	170		78	80	2.5	92	98	6.3	40 - 140	30
PCB-1262	ND	170								40 - 140	30
PCB-1268	ND	170								40 - 140	30
% DCBP (Surrogate Rec)	92	%		84	86	2.4	92	84	9.1	30 - 150	30
% TCMX (Surrogate Rec)	93	%		81	88	8.3	70	75	6.9	30 - 150	30

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

lis

Phyllis/Shiller, Laboratory Director June 27, 2016

ay, June 27, 2016 teria: None State: CT	No Acode Phoenix Analyte Criteria	Data to Display ***	
Monday, June Criteria: Nc State: CT	SampNo /	*** No Data to	- - -

RL Criteria Criteria Ч Result

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.

Analysis Units

Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Labo	oratory Na	ame:	Phoen	ix Environ	mental L	abs,	Inc.	Client:		Fuss &	& O'Neill I	EnviroSc	ience, LLC
Proje	ect Locat	ion:	CITY	OF MERID	EN - 1 k	KING	PL	Project	Number:				
Labo	oratory Sa	ample	ID(s):	BN58116 BN58123 BN58130 BN58137 BN58144 BN58151 BN58158 BN58165	, BN581 , BN581 , BN581 , BN581 , BN581 , BN581 , BN581 , BN581	17, B 24, B 31, B 38, B 45, B 52, B 59, B 66	8N581 8N581 8N581 8N581 8N581 8N581 8N581	18, BN58 25, BN58 32, BN58 39, BN58 46, BN58 53, BN58 60, BN58	3119, BN58 3126, BN58 3133, BN58 3140, BN58 3147, BN58 3154, BN58 3154, BN58 3161, BN58	120, B 127, B 134, B 141, B 148, B 155, B 162, B	N58121, N58128, N58135, N58142, N58149, N58149, N58156, N58163,	BN58122 BN58129 BN58136 BN58143 BN58150 BN58157 BN58164	2,),), , , ,
Sam	pling Dat	e(s):	6/17/20	016									
RCP	Methods	Used	:										
13	311/1312	601	0 [7000	7196	6	7	470/7471	8081		EPH		TO15
✔ 80)82	815	1 [8260	8270)	E	ТРН	9010/901	12	VPH		
1.	For each a specified (any criteri method-sp	analytic QA/QC a falling pecific I	al meth perform outside Reason	od reference nance criter e of accepte able Confid	ced in this ia followe able guid ence Pro	s labor ed, inc elines otocol	ratory cluding s, as s docun	report pac the requin pecified in nents?	kage, were a rement to ex the CT DEP	all plain	✓ Yes	□ No	
1a.	Were the	methoo	l specifi	ed preserva	ation and	holdir	ng tim	e requirem	ents met?		✓ Yes	🗌 No	
1b.	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							✓ NA					
2.	Were all s described	amples on the	s receive associa	ed by the la ated Chain-	boratory of-Custo	in a c dy doo	onditio cumen	on consiste it(s)?	ent with that		✓ Yes	🗌 No	
3.	Were sam	nples re	eceived	at an appro	priate ter	npera	iture (·	< 6 Degree	es C)?		□ Yes	✓ No	
4.	4. Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: PCB Narration. □ Yes INO												
5a.	Were repo	orting li	mits spe	ecified or re	ferenced	on th	e chai	in-of-custo	dy?		□ Yes	✓ No	
5b.	Were thes	se repo	rting lim	its met?							□ Yes	🗆 No	✓ NA
6.	For each a results rep presented	analytic ported f in the	al meth or all co Reason	od referenc onstituents i able Confic	ced in this dentified lence Pro	s laboi in the otocol	ratory e meth docur	report pac od-specific nents?	kage, were c analyte lists	s	✓ Yes	🗆 No	
7.	Are projec	t-speci	fic matri	ix spikes ar	nd labora	tory di	uplica	tes include	ed in the data	a 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 undersign and belief and b contained in thi	ed, attest under the pains and pen based upon my personal inquiry of s analytical report, such informatic	alties of perjury that, to the best of my knowledge those responsible for providing the information on is accurate and complete.
Authorized		Date: Monday, June 27, 2016
Signature:	than See	Printed Name: Ethan Lee
		Position: Project Manager

Nov 2007





RCP Certification Report

June 27, 2016

SDG I.D.: GBN58116

SDG Comments

Temperature above 6C:

The samples were received in a cooler with ice packs. No significant bias is suspected.

PCB Narration

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

BN58124 - The surrogate recovery is below method criteria for %TCMX. The sample was re-extracted with similar results. A low bias is possible.

Instrument:

AU-ECD29 06/20/16-1

Adam Werner, Chemist 06/20/16

BN58119, BN58120

The initial calibration (PC0512AI) RSD for the compound list was less than 20% except for the following compounds: None. The initial calibration (PC0512BI) 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-ECD29 06/21/16-1

Adam Werner, Chemist 06/21/16

BN58116, BN58117, BN58122, BN58123, BN58140, BN58141, BN58142, BN58146, BN58148, BN58156, BN58158, BN58159, BN58161, BN58162, BN58163, BN58164, BN58165, BN58166

The initial calibration (PC0512AI) RSD for the compound list was less than 20% except for the following compounds: None. The initial calibration (PC0512BI) 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 06/21/16-1

Adam Werner, Chemist 06/21/16

BN58147, BN58149, BN58150, BN58151, BN58152, BN58153, BN58154

The initial calibration (PC0506AI) RSD for the compound list was less than 20% except for the following compounds: None. The initial calibration (PC0506BI) 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 06/21/16-1

Adam Werner, Chemist 06/21/16

BN58121, BN58128, BN58129, BN58130, BN58131, BN58132, BN58133, BN58134, BN58135, BN58136, BN58137, BN58138, BN58139, BN58143, BN58144

The initial calibration (PC0617AI) RSD for the compound list was less than 20% except for the following compounds: None. The initial calibration (PC0617BI) 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 06/23/16-1

Adam Werner, Chemist 06/23/16

BN58124, BN58125, BN58126, BN58127, BN58145, BN58155, BN58157, BN58160

The initial calibration (PC0617AI) RSD for the compound list was less than 20% except for the following compounds: None. The initial calibration (PC0617BI) 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-ECD6 06/22/16-1

Adam Werner, Chemist 06/22/16

BN58118

The initial calibration (PC0609AI) RSD for the compound list was less than 20% except for the following compounds: None. The initial calibration (PC0609BI) 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):





RCP Certification Report

June 27, 2016

SDG I.D.: GBN58116

PCB Narration

Batch 349513 (BN58169)

BN58116, BN58117, BN58118, BN58119, BN58120

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.

Batch 349628 (BN58121)

BN58121, BN58122, BN58123, BN58124, BN58125, BN58126, BN58127, BN58128, BN58129, BN58130, BN58131, BN58132, BN58133, BN58134, BN58135, BN58136, BN58137, BN58138, BN58139, BN58140

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.

Batch 349629 (BN58141)

BN58141, BN58142, BN58143, BN58144, BN58145, BN58146, BN58147, BN58148, BN58149, BN58150, BN58151, BN58152, BN58153, BN58154, BN58155, BN58156, BN58157, BN58158, BN58159, BN58160

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.

Batch 349630 (BN58858)

BN58161, BN58162, BN58163, BN58164, BN58165, BN58166

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 8C with cooling initiated. (Note acceptance criteria is above freezing up to 6° C)











