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PCB INSPECTION AND SAMPLING REPORT

SANTA MONICA HIGH SCHOOL

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1. INTRODUCTION

On behalf of the Santa Monica – Malibu Unified School District (SMMUSD or the District), Ramboll Environ US Corporation (Ramboll Environ, formerly ENVIRON International Corporation) has prepared this report summarizing the inspection and sampling activities completed at the Technology Building of Santa Monica High School (SAMOHI), located at 601 Pico Boulevard in Santa Monica, California (Figures 1 and 2). Herein, the Technology Building will be referred to as the “Site.” These activities were conducted prior to building demolition to evaluate building materials for the potential presence of polychlorinated biphenyl compounds (PCBs) to characterize demolition debris for off-site disposal. The Site, scheduled for demolition in the summer of 2015, is located in the northern portion of the SAMOHI campus.

From March 30 to April 3, 2015, Ramboll Environ inspected the Site and collected representative samples of bulk building materials identified as potentially impacted by PCBs. A representative photograph log of building materials sampled is provided in Appendix A. Sampling locations are depicted on Figures 3 through 6. Sample descriptions and analytical results are summarized on Table 1.

Based on the sampling results, where detected, total PCB concentrations in all sampled building materials were less than 50 parts per million (ppm). Therefore, based on the results of the sampling program, and in consultation with SMMUSD, the sampled building materials are categorized as Excluded PCB Product, which is not regulated by U.S. Environmental Protection Agency (US EPA) under the Toxic Substances Control Act (TSCA). Please note that although PCBs in building materials at the Site are not regulated by US EPA, it is Ramboll Environ’s understanding that the demolition contractor will address the potential presence of other hazardous materials that may be encountered during building demolition that were outside the scope of Ramboll Environ’s investigation (e.g., asbestos or lead-based paint).

1.1 Background

SMMUSD owns and operates SAMOHI. As part of a modernization project, the Site, constructed in approximately 1952, is scheduled for demolition in the summer of 2015.

Historically, PCBs were used as a plasticizing agent for caulking and glazing materials, as additives to paints and floor finishes, as sealants for heating systems and plumbing, and as insulators in ballasts and other electrical equipment. The manufacture of, and most uses of, PCBs were banned in the United States in 1976, and PCB compounds were phased out between 1978 and 1979. Due to the age of the Site (constructed prior to 1981), there was the potential for certain building materials to contain PCBs. Therefore, building materials were sampled prior to any building demolition, as described further below.

1.2 Purpose of Inspection and Sampling Program

SMMUSD and its contractors will use the PCB data described herein to characterize generated waste building materials for disposal, based, in part, on the PCB content. Data collected during the sampling program is intended to facilitate segregation (if needed) of waste building materials, based solely on PCB content, for disposal at appropriately regulated and licensed facilities.

The Ramboll Environ inspection and sampling program evaluated building materials for PCBs only. The program did not address other hazardous materials (e.g., asbestos or lead-based paint) that Ramboll Environ understands have been characterized and will be managed by others.¹

The goal of the sampling program was to obtain samples from a sufficient number of locations to:

1. serve as representative of the variety of potentially PCB-impacted materials²;
2. draw conclusions on the potential presence of PCB-impacted building materials;
3. determine if a site-specific remediation work plan is required to address materials with ≥ 50 ppm PCBs prior to undertaking the demolition and disposal of building materials; and
4. categorize each type of building material for off-site disposal related solely to its PCB content. In general, PCB-impacted materials can be sorted and classified into the following four categories, as defined in 40 CFR 761.3:
 - PCB Bulk Product Waste - caulk, paint, mastic, and sealants containing ≥ 50 ppm PCBs,
 - Excluded PCB Product - caulk, paint, mastic, and sealants containing < 50 ppm PCBs,
 - ≥ 50 ppm PCB Remediation Waste - building materials (e.g., concrete, brick) containing ≥ 50 ppm PCBs, and
 - < 50 ppm PCB Remediation Waste – building materials (e.g., concrete, brick, etc.) containing < 50 ppm PCBs.

1.3 Scope of Services

As stated above, Ramboll Environ collected bulk samples of building materials solely to evaluate the presence and concentration of PCBs in such prior to building demolition. Prior to field mobilization, Ramboll Environ reviewed building records and drawings, as provided by SMMUSD personnel, and prepared a health and safety plan and a sampling and analysis plan to guide the investigation. Ramboll Environ then performed a Site inspection and building materials survey as described in Section 2.1 of this report. Based on the results of this inspection/survey, Ramboll Environ selected sample locations, collected samples for PCB analysis, and submitted the samples to a laboratory for analytical testing. This report represents the results of the PCB building materials characterization and includes the laboratory analytical data and Ramboll Environ's conclusions.

¹ The following report was provided to Ramboll Environ prior to sampling activities: Hazardous Materials Survey Report of Santa Monica High School, dated July 1, 2009, prepared by ATC Associates, Inc. (ATC 2009).

² For purposes of this document, PCB-impacted shall mean building materials that contain any measurable concentration of PCBs that are detectable in bulk samples using common analytical procedures.

2. BUILDING MATERIALS INVESTIGATION AND PCB SAMPLING

This section summarizes the results of Ramboll Environ’s building material investigation. The investigation consisted of three parts:

1. Inspecting the Site and surveying building materials as described in Section 2.1
2. Collecting samples of building materials as described in Section 2.2
3. Submitting the samples to a laboratory for analysis for PCBs as described in Section 2.3

2.1 Site Inspection and Building Materials Survey

Ramboll Environ and SMMUSD personnel conducted a preliminary visit to the Site on March 16, 2015 to understand the Site configuration and general types of building materials. On March 30 and 31, and April 1, 2015, Ramboll Environ personnel inspected and photographed the Site in general accordance with the procedures outlined in the *Comprehensive PCB-Related Building Materials Inspection, Management and Removal Plan* (ENVIRON 2014), and *Sampling and Analysis Plan* (ENVIRON 2015). The building materials in each room were evaluated with the objective of identifying building materials for subsequent sampling and to provide an overall inventory of building materials. This section describes the relevant observations from the inspection.

2.1.1 Description of Room Groups

The Site is a two-story building with a subfloor (auto shop). To facilitate the inspection, Ramboll Environ created “room group” categories based on the room’s function (functional space), and prepared an inventory of homogenous materials suspected of containing PCBs. In general, Ramboll Environ considered materials that were applied in a similar manner, and had similar physical attributes such as size, type, color, age, and texture as homogeneous.

The room groups identified are described as follows:

Room Groups (Functional Spaces)	Room Groups Subdivided by Homogeneous Materials
Classrooms	1st Floor Classrooms ³ 2nd Floor Classrooms
Restrooms	1st Floor Restrooms and 2nd Floor Women’s Restrooms (Rooms 206B and 208B) 2nd Floor Men’s Restroom (Room 206C)
Hallways	2nd Floor Hallway

³ Note that the 1st floor hallway was observed to have the same building materials (i.e., paint, floor tile, etc.) as surrounding classrooms. Therefore, for the purpose of this investigation, the 1st floor hallway is considered to be a part of the “1st Floor Classrooms” Room Group.

Room Groups (Functional Spaces)	Room Groups Subdivided by Homogeneous Materials
Shops	Auto Shop (Room T10) in Subfloor Wood Shop (Room 105) on 1 st Floor
Mechanical/Equipment/Utility Rooms	Mechanical/Equipment/Utility Rooms
Roof	Roof
Exterior	Exterior (i.e., exterior walls, windows, walkways, etc.)

2.1.2 Description of Relevant Building Materials

For each room group, Ramboll Environ inspected various building materials. The following section describes the building materials or structural features inspected and sampled and the observations for each room group. Where “N/S” is indicated, no building materials were sampled in this Room Group for one of the two following reasons. Either 1) the same homogenous material within the Room Group is present, but adequate representatives were collected as part of another Room Group, or 2) no bulk building materials were identified as potentially impacted by PCBs.

2.1.2.1 Caulking

Ramboll Environ sampled caulking in the room groups as described below.

- 1st Floor Classrooms
 - White door caulk around interior of each door
 - Wall caulking around fire extinguisher cabinets, at wall joints, and in corners near window ledges
 - White or gray window caulk around interior of windows
- 2nd Floor Classrooms
 - Tan, tan/gray, and white painted caulking around doors
 - White caulking around the wall-mounted fire extinguisher cabinets and at wall joints
 - Tan and white window caulk around the interior of the windows (the window caulking in Room 214 window was painted white.)
- 1st Floor Restrooms and 2nd Floor Women’s Restrooms (Rooms 206B and 208B)
 - White sink and toilet caulk in all restrooms
 - Gray cementitious toilet caulk in the 1st floor men’s restroom only
- 2nd Floor Men’s Restroom (Room 206C)
 - White/clear sink caulk and beige toilet caulk
- 2nd Floor Hallway – N/S
- Auto Shop (Room T10)
 - Black window caulk on the interior of the windows

- Wood Shop (Room 105)
 - White caulking on the interior of the fixed sidelight windows
- Mechanical/Equipment/Utility Rooms – N/S
- Roof
 - White weathered caulking at parapet caps located on the roof
- Exterior
 - Gray and tan expansion joint caulking on the exterior walkways
 - White window caulking on all exterior windows of the entrances to the 1st and 2nd floors
 - Black window caulking on the T10 exterior windows

2.1.2.2 Glazing

Ramboll Environ sampled glazing in the room groups as described below.

- 1st Floor Classrooms
 - Black glazing around the interior of the windows
- 2nd Floor Classrooms – N/S
- 1st Floor Restrooms and 2nd Floor Women's Restrooms (Rooms 206B and 208B) – N/S
- 2nd Floor Men's Restroom (Room 206C) – N/S
- 2nd Floor Hallway – N/S
- Auto Shop (Room T10) – N/S
- Wood Shop (Room 105) – N/S
- Mechanical/Equipment/Utility Rooms – N/S
- Roof – N/S
- Exterior
 - Black glazing around the exterior of the windows

2.1.2.3 Vinyl Flooring/ Floor Mastic

Ramboll Environ sampled vinyl flooring and floor mastic in the room groups as described below.

- 1st Floor Classrooms
 - White 12" x 12" vinyl floor tiles with yellow mastic
 - Blue 12" x 12" vinyl floor tiles with yellow mastic
 - Mastic was separated from the floor tiles for sampling and was also submitted for chemical analysis.
- 2nd Floor Classrooms
 - White 12" x 12" vinyl floor tiles with yellow mastic

- Blue 12" x 12" vinyl floor tiles with yellow mastic
- Mastic was separated from the floor tiles for sampling and was also submitted for chemical analysis.
- 1st Floor Restrooms and 2nd Floor Women's Restrooms (Rooms 206B and 208B) – N/S
- 2nd Floor Men's Restroom (Room 206C) – N/S
- 2nd Floor Hallway
 - Blue marble pattern vinyl floor sheeting with yellow mastic in the hallway. Also, gray levelling compound in the east side of the hall by Room 201. The vinyl sheeting and mastic were sampled as one sample, and the levelling compound was a separate sample.
- Auto Shop (Room T10) – N/S
- Wood Shop (Room 105) – N/S
- Mechanical/Equipment/Utility Rooms – N/S
- Roof – N/S
- Exterior – N/S

2.1.2.4 Ceramic Tile / Grout Adhesive

Ramboll Environ sampled ceramic tile and grout adhesive in the room groups as described below.

- 1st Floor Classrooms – N/S
- 2nd Floor Classrooms – N/S
- 1st Floor Restrooms and 2nd Floor Women's Restrooms (Rooms 206B and 208B)
 - 2" x 2" tan and 2" x 2" beige ceramic floor tiles in the restrooms
 - 4" x 4" tan, 4" x 4" white, and 4" x 4" blue ceramic wall tiles
- 2nd Floor Men's Restroom (Room 206C)
 - 1" x 1" mosaic (tan, brown, beige) floor tiles
 - 4" x 4" tan, 4" x 4" white, and 4" x 4" blue ceramic wall tiles
- 2nd Floor Hallway – N/S
- Auto Shop (Room T10) –N/S
- Wood Shop (Room 105) – N/S
- Mechanical/Equipment/Utility Rooms – N/S
- Roof – N/S
- Exterior – N/S

2.1.2.5 Thermal Systems Insulation (TSI)

Ramboll Environ sampled TSI in the room groups as described below.

- 1st Floor Classrooms

- Yellow fiberglass insulation with a paper or canvas cover and white mudded pipe elbows in the above-ceiling space of Room 102
- Yellow pipe insulation was observed in the above-ceiling space of Room 104
- 2nd Floor Classrooms
 - Yellow fiberglass insulation with a paper cover in the above-ceiling space of Room 208
- 1st Floor Restrooms and 2nd Floor Women's Restrooms (Rooms 206B and 208B) – N/S
- 2nd Floor Men's Restroom (Room 206C) – N/S
- 2nd Floor Hallway – N/S
- Auto Shop (Room T10) – N/S
- Wood Shop (Room 105) – N/S
- Mechanical/Equipment/Utility Rooms
 - Yellow foam with white paper insulation on piping above a boiler in Room T12
- Roof – N/S
- Exterior – N/S

2.1.2.6 Ceiling Panels

Ramboll Environ sampled ceiling panels in the room groups as described below.

- 1st Floor Classrooms
 - 2' x 2' white ceiling tiles
 - 2' x 2' white ceiling tiles with grooves
- 2nd Floor Classrooms
 - 1' x 1' ceiling tiles, white with pinholes
 - Brown glue daubs underlying tiles were also submitted for laboratory analysis
 - 2' x 2' white suspended ceiling tiles
 - 2' x 4' white grooved suspended ceiling tiles
 - 2' x 4' white suspended ceiling tiles
- 1st Floor Restrooms and 2nd Floor Women's Restrooms (Rooms 206B and 208B) – N/S
- 2nd Floor Men's Restroom (Room 206C) – N/S
- 2nd Floor Hallway – N/S
- Auto Shop (Room T10) – N/S
- Wood Shop (Room 105) – N/S
- Mechanical/Equipment/Utility Rooms – N/S
- Roof – N/S
- Exterior – N/S

2.1.2.7 Paint

Ramboll Environ sampled paint in the room groups as described below.

- 1st Floor Classrooms
 - Doors, painted blue
 - Classroom walls, painted white
- 2nd Floor Classrooms
 - Door frames, painted blue
 - Classroom walls, painted white
- 1st Floor Restrooms and 2nd Floor Women's Restrooms (Rooms 206B and 208B)
 - Blue paint with a red/brown base layer on the interior door of the 1st floor women's restroom only
- 2nd Floor Men's Restrooms (Room 206C)
 - A floated gray epoxy floor on top of the 1" x 1" mosaic (tan, brown, beige) floor tiles
- 2nd Floor Hallway – N/S
- Auto Shop (Room T10)
 - Door leading to T11, painted blue
- Wood Shop (Room 105)
 - Floor, painted gray
- Mechanical/ Equipment/ Utility Rooms – N/S
- Roof
 - Weathered tan paint on metal surfaces on the roof
- Exterior
 - Gray floor epoxy paint on the 1st Floor between the West entry and Room 110.
 - Cream paint on exterior stucco walls.

2.1.2.8 Cove Base/Cove Base Mastic

Ramboll Environ sampled cove base and cove base mastic in the room groups as described below.

- 1st Floor Classrooms
 - Black/brown cove base with a white or cream mastic. Samples were taken with and without mastic. The cove base mastic was separated from the cove base when practical for sampling.
- 2nd Floor Classrooms
 - Black/brown cove base with a tan mastic. White cove base mastic was sampled in Room 208. The cove base mastic was separated from the cove base for sampling, and the cove base and mastic were each submitted for analysis.

- 1st Floor Restrooms and 2nd Floor Women's Restrooms (Rooms 206B and 208B) – N/S
- 2nd Floor Men's Restroom (Room 206C) – N/S
- 2nd Floor Hallway – N/S
- Auto Shop (Room T10) – N/S
- Wood Shop (Room 105) – N/S
- Mechanical/Equipment/Utility Rooms – N/S
- Roof – N/S
- Exterior – N/S

2.1.2.9 Drywall/ Plaster

Ramboll Environ sampled drywall/plaster in the room groups as described below.

- 1st Floor Classrooms
 - White joint compound with tan tape along the walls
- 2nd Floor Classrooms – N/S
- 1st Floor Restrooms and 2nd Floor Women's Restrooms (Rooms 206B and 208B) – N/S
- 2nd Floor Men's Restroom (Room 206C) – N/S
- 2nd Floor Hallway – N/S
- Auto Shop (Room T10) – N/S
- Wood Shop (Room 105) – N/S
- Mechanical/ Equipment/ Utility Rooms – N/S
- Roof – N/S
- Exterior – N/S

2.1.2.10 Miscellaneous Items

Ramboll Environ sampled miscellaneous items in the room groups as described below.

- 1st Floor Classrooms
 - Red fire-stop caulk in a ceiling chase of Room 102
 - Yellow foam insulation at a window in Room 113 along the northwest wall
 - Heating, ventilation, and air conditioning (HVAC) sealant (gray) or sealant/tape (black or white) on HVAC equipment
- 2nd Floor Classrooms
 - Gray/white window caulk/foam from Room 200
- 1st Floor Restrooms and 2nd Floor Women's Restrooms (Rooms 206B and 208B) – N/S
- 2nd Floor Men's Restroom (Room 206C) – N/S
- 2nd Floor Hallway – N/S
- Auto Shop (Room T10)

- HVAC vibration dampeners (gray) on the HVAC unit
- Wood Shop (Room 105)
 - Yellow fire-stop caulking from a wall pipe penetration in Room 105
 - A tan spray-on fireproofing on the ceiling of Room 105
 - Gray HVAC sealant on HVAC equipment
- Mechanical/Equipment/Utility Rooms
 - White (painted and unpainted) HVAC sealant in Room 112A
- Roof
 - Black roofing felt with black tar adhesive
- Exterior
 - Stucco from the exterior of the building

2.2 Building Materials PCB Sampling

Between April 1 and April 3, 2015, Ramboll Environ personnel collected bulk samples of identified building materials at the Site in accordance with the Sampling and Analysis Plan (ENVIRON 2015). The materials sampled are described in Section 2.1.2 and in Table 1. The sample locations are depicted on Figures 3, 4, 5, and 6. This section describes the sampling rationale; the sampling method, handling, and custody; and the field quality control procedures.

2.2.1 Sampling Rationale

Ramboll Environ selected specific sampling locations based on the following:

- Results of the inventory accounting for the different types and locations of potential PCB-impacted materials
- Similarities in construction (e.g., restrooms, classrooms, hallways)
- Number, location, and type of windows and doors in room
- Type of fixtures in room (e.g., presence of sinks)
- Inspection of HVAC system components
- Construction year
- Renovation records, if available

Ramboll Environ interviewed knowledgeable SMMUSD staff members to obtain information on the age of buildings and materials and the dates of all construction and renovations. Based on these discussions, Ramboll Environ did not sample materials that the SMMUSD staff reported were installed after 1981, as discussed further in Section 3.

As described above, Ramboll Environ grouped similar room types and collected samples from locations inside room groups to be considered representative of similar materials in that group (i.e., homogeneous).

Ramboll Environ collected a minimum of three representative bulk samples of each suspect building material. Discrete samples were selected from various rooms and locations within the room group to provide a sufficient distribution of samples throughout the area.

2.2.2 Sampling Method

Sampling methods were based on the type of material being sampled. In general, all sampling locations were wetted just prior to sampling to minimize dust generation during sampling. In addition, polyethylene drop cloths were placed on the floor beneath sampling locations to collect any small pieces of building debris that fell to the floor during sampling. Durable field sampling equipment was decontaminated in accordance with 40 CFR 761.79 and each component of the sampling device was decontaminated or replaced with a new, dedicated, or disposable component prior to collecting samples for laboratory analysis.

Porous surfaces, including soft porous surfaces (e.g., caulk, glazing, mastic, paint chips, and sealants), and hard porous surfaces (e.g., stucco), were sampled in accordance with the *USEPA Region I Standard Operating Procedure (SOP) for Sampling Porous Surfaces for Polychlorinated Biphenyls* (USEPA 2011). Representative samples of each building material type were collected with a minimum frequency of three (3) samples per material.

Samples were obtained from porous surfaces at up to 0.5-inch depth intervals using a metal chisel and/ or sharp knife. When possible, hard porous surfaces were collected as bulk material chunks and sent to the laboratory whole. The laboratory then ground the material to a powder for analysis. If Ramboll Environ was unable to collect a bulk sample, the hard porous surfaces (e.g., stucco) were ground into powder using an impact hammer drill with a carbide drill bit or scrapped with a chisel which produced a powder. Paint chips were sampled as bulk material. Samples were collected using a metal scraper, being careful not to remove any of the adjacent substrate with the material to be sampled.

2.2.3 Equipment Decontamination Procedures

Durable field sampling equipment was decontaminated with an isopropyl alcohol prewash using a soaked gauze pad to remove excess powder/debris and then washed with hexane gauze (in accordance with 40 CFR 761.79) prior to collecting a sample at each location to mitigate the potential for cross-contamination of samples. Disposable sampling equipment was replaced prior to collecting samples for laboratory analysis. When gloves came into contact with sample media, a new pair of clean, nitrile gloves was used at the next location. Decontamination materials were placed into the on-site 55-gallon drum pending off-site disposal. Section 4 provides further description of waste management.

2.2.4 Sample Handling and Custody Procedures

All samples were logged in a field log sheet and on standard chain-of-custody forms. After collection, the samples were placed in laboratory-provided containers, labelled, sealed, and placed on ice in laboratory-provided coolers. Sample coolers were shipped daily, via overnight FedEx delivery to an approved laboratory.

2.2.5 Field Quality Control Procedures

In addition to the primary samples, Ramboll Environ collected field duplicate samples for each different building material type with a minimum frequency of 1 duplicate per 20 primary samples, which is consistent with USEPA protocol for quality assurance/quality control (QA/QC) purposes. For the April 2015 bulk building material sampling program, 55 duplicate samples were collected for 199 primary samples representing a frequency of

approximately 5 duplicate samples per 20 primary samples. In addition, Ramboll Environ provided the laboratory with sufficient sample material to conduct matrix spike and matrix spike duplicate (MS/MSD) analyses on 15% of the total primary samples (30 samples were submitted as MS/MSDs).

2.2.6 Sample Analysis and Results

Ramboll Environ submitted the bulk building material samples under chain of custody to Con-Test Analytical Laboratory (Con-Test) of East Longmeadow, Massachusetts. The samples were analyzed for PCB Aroclors using USEPA Method 8082 with Soxhlet Extraction by USEPA Method 3540.

Based upon review of the analytical data, PCBs were not detected at concentrations >50 ppm in any of the samples collected from the Site. The sample results are provided in Table 1, and the analytical laboratory reports are provided in Appendix B.

2.3 Laboratory Quality Control and Data Validation

The analytical laboratory (Con-Test) processed quality control samples along with the samples submitted for chemical analysis. The quality controls included method blank samples, surrogates, and laboratory control samples. The laboratory provided a case narrative summary which describes the accuracy of the sample results and precision of the analytical procedure and whether there is any bias affecting the sample results.

Ramboll Environ contracted with Laboratory Data Consultants (LDC) of Carlsbad, California, to complete an external data validation to assess the validity and usability of laboratory analytical data generated from samples collected in April 2015. The analytical data were evaluated for QA/QC based on the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (EPA 2008).

The QA/QC evaluation was based on precision, accuracy, representativeness, completeness, and comparability relative to the project data quality objectives. A quantitative and qualitative assessment of the data were performed for potential sources of error, uncertainty, and bias that may affect the overall usability of the data.

Based on the results of the data validation evaluation, LDC concluded that the data are usable for their intended purpose. This conclusion was based on an evaluation of the QC parameters discussed in the report. The report is provided in Appendix C.

3. BUILDING MATERIALS NOT SAMPLED FOR PCBs

This section summarizes the building materials that were not sampled as part of Ramboll Environ's building material investigation, as agreed with SMMUSD and based on the following: a) certain materials will be removed and segregated prior to demolition for disposal (i.e., light ballasts, electrical equipment and transformers) with no PCB sampling necessary; b) materials will be removed immediately prior to demolition, sampled for PCBs, and segregated for disposal (i.e., sink gaskets and pipe flange gaskets); or, c) materials do not require PCB sampling as they were installed after 1981 (i.e., elevators, hydraulic lifts and mastic behind wall mounted units). Further discussion regarding these items is provided below.

3.1 Fluorescent Light Ballast and Fixtures

Ramboll Environ did not inspect or collect samples of materials contained within fluorescent light ballasts. It is Ramboll Environ's understanding that SMMUSD will hire a contractor to inspect these light fixtures/ballasts before demolition, and segregate them for off-site disposal, based on marked or assumed PCB content. A guidance document titled "Fluorescent Light Ballasts Inspection, Removal, and Disposal Guidance" was provided by Ramboll Environ to SMMUSD on June 18, 2015.

3.2 Electric Motorized Units

Ramboll Environ did not inspect electric motorized units such as heater/cooling fan units that may use a PCB-containing capacitor(s) as this equipment was still in use at the time of Ramboll Environ's Site inspection and the disassembly of these units would render the units inoperable. These units should be inspected by the demolition contractor (or others) during the predemolition removal process for proper disposal.

3.3 Electrical Transformers

Ramboll Environ did not sample the pad-mounted electrical transformers observed outside the building as such were labelled as owned by Southern California Edison (SCE). Therefore, their disposition/removal is the responsibility of SCE. Ramboll Environ assumes that SMMUSD or its demolition contractor will contact SCE prior to demolition to remove all transformer equipment.

3.4 Sink and Pipe Flange Gaskets

Ramboll Environ did not inspect or sample gaskets associated with sinks or pipe flanges as SMMUSD opted to wait until immediately prior to demolition activities to further address these materials. Based on discussions with SMMUSD, it is Ramboll Environ's understanding that representative samples of sink or pipe flange gaskets will be submitted by the demolition contractor or remediation contractor for laboratory analysis of PCBs using USEPA Method 8082 with Soxhlet Extraction by USEPA Method 3540. Based on the analytical results, a determination will be made as to whether the gaskets are PCB Bulk Product Waste (≥ 50 ppm PCBs) or Excluded PCB Product (< 50 ppm PCBs). If any sink or pipe flange gaskets have PCB concentrations ≥ 50 ppm, such gaskets will require disposal at a landfill facility permitted to accept PCB Bulk Product Waste.

3.5 Building Materials Installed After 1981

Ramboll Environ interviewed knowledgeable SMMUSD staff members to obtain information on the age of buildings and materials and the dates of all construction and renovations. Based on these discussions, Ramboll Environ did not sample materials that were installed after 1981 (i.e., after the USEPA ban of PCB manufacturing and use of ≥ 50 ppm PCB products), which included the following:

- Elevator components – Elevator equipment and building materials associated with the elevator shaft were not sampled as SMMUSD personnel reported that the elevator and shaft were installed circa 1991.
- Hydraulic lifts in the auto shop – Lifts were not sampled as SMMUSD personnel reported that such first were installed in 2004-2005.
- Mastic behind all wall mounted units (i.e., chalkboards, mirrors, whiteboards, etc.) – Mastic was not sampled behind existing wall mounted units, as these units were reportedly replaced after 1981 and are fastened to the walls with screws (i.e., no mastic used).

4. WASTE MANAGEMENT AND DISPOSAL

Waste management included handling, storing, containerizing, transporting (including providing and preparing manifests, bills of lading, etc.), and disposing of waste streams resulting from the field sampling program. The waste streams were transported via Clean Harbors Environmental Services, Inc. (Clean Harbors), a licensed waste hauler, to a permitted chemical waste disposal facility.

Polyethylene sheeting, personal protective equipment (gloves, etc.), non-liquid cleaning materials (rags, etc.), and investigative derived waste were temporarily stored on-site in one 55-gallon United States Department of Transportation (DOT)-approved steel drum in accordance with applicable requirements. The drum was properly labeled, sealed, and was stored by SMMUSD until picked up by Clean Harbors for off-site disposal on April 29, 2015. Clean Harbors then transported the waste to Clean Harbors Grassy Mountain LLC located in Grantville, Utah, for off-site disposal.

Note that due to the timing of waste shipment (prior to the receipt and review of all laboratory data), the waste was originally shipped with a DOT description on the hazardous waste manifest of "UN3432, Polychlorinated Biphenyls, Solid, (PPE, Debris), 9, PGIII". However, upon final receipt of the laboratory data, PCBs were not detected at concentrations ≥ 50 ppm in any building materials samples collected from the Site. Therefore, the DOT description on the waste manifest was revised to "none, non-RCRA hazardous waste solids (demo debris)". The final waste manifest is provided in Appendix D.

5. SUMMARY OF FINDINGS

PCBs were not detected at concentrations >50 ppm in any building materials samples collected from the Site. The sample analytical results are summarized in Table 1 and the analytical laboratory reports are included in Appendix B. Based on the results of the sampling program, and in consultation with SMMUSD, the sampled building materials are categorized as Excluded PCB Product, which is not regulated by US EPA under TSCA.

As noted above in Section 3, certain building materials were not sampled as part of Ramboll Environ's building material investigation, as agreed upon with SMMUSD and based on the following: a) certain materials will be removed and segregated prior to demolition for disposal (i.e., fluorescent light ballasts, electrical equipment and transformers) with no PCB sampling necessary; b) materials will be removed immediately prior to demolition, sampled for PCBs, and segregated for disposal (i.e., sink and pipe flange gaskets); or, c) materials do not require PCB sampling as they were installed after 1981 (i.e., elevators, hydraulic lifts and mastic behind wall mounted units).

It is Ramboll Environ's understanding that the demolition contractor will address the potential presence of other hazardous materials that may be encountered during building demolition that were outside the scope of Ramboll Environ's investigation (e.g., asbestos or lead-based paint).

6. REFERENCES

- ATC Associates, Inc. 2009. Hazardous Materials Survey Report of Santa Monica High School, Santa Monica-Malibu Unified School District, 601 Pico Boulevard, Santa Monica, California 90405. July 1.
- ENVIRON. 2014. Comprehensive PCB-Related Building Materials Inspection, Management and Removal Plan. April.
- ENVIRON. 2015. Sampling and Analysis Plan, Santa Monica High School (SAMOHI), 601 Pico Boulevard, Santa Monica, California. March.
- USEPA. 2008. Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. June.
- USEPA. 2011. USEPA Region I Standard Operating Procedure (SOP) for Sampling Porous Surfaces for Polychlorinated Biphenyls. May.

TABLE

TABLE

Table 1: Bulk Building Materials Sampling Results
 Santa Monica High School
 601 Pico Boulevard, Santa Monica, CA

Sample ID ¹	Duplicate Reference Sample ID (complete if Duplicate sample collected)	Room	General Material Type Sampled	Component Sampled	Detailed Material Description	Total PCBs (mg/kg)
Technology Building - 1st Floor						
040215-SMOHI-BA-R100-M001		100	Caulking	Wall	White with Light Blue Over Paint	<0.76
040215-SMOHI-BA-R100-M002		100	Cove Base	Wall	Brown/Black vinyl with white mastic	<0.93
040315-SMOHI-BA-R102-M001		102	TSI	Plumbing	Yellow Fiberglass with paper cover	<0.094
040315-SMOHI-BA-R102-M002	040315-SMOHI-BA-R102-M001	102	TSI	Plumbing	Yellow Fiberglass with paper cover	<0.096
040315-SMOHI-BA-R102-M003		102	TSI	Plumbing	Yellow Fiberglass (used in pipe chase)	<0.099
040315-SMOHI-BA-R102-M004	040315-SMOHI-BA-R102-M003	102	TSI	Plumbing	Yellow Fiberglass (used in pipe chase)	<0.096
040315-SMOHI-BA-R102-M005		102	Fire-Stop Caulking	Chase	Red fire-stop caulk	<0.093
040315-SMOHI-BA-R102-M006	040315-SMOHI-BA-R102-M005	102	Fire-Stop Caulking	Chase	Red fire-stop caulk	<0.093
040315-SMOHI-BA-R102-M007		102	TSI	Plumbing	White mudded pipe elbow	0.22
040315-SMOHI-BA-R102-M008	040315-SMOHI-BA-R102-M007	102	TSI	Plumbing	White mudded pipe elbow	0.24
040315-SMOHI-BA-R102-M009		102	TSI	Plumbing	Yellow Fiberglass (canvas cover)	<0.093
040315-SMOHI-BA-R102-M010	040315-SMOHI-BA-R102-M009	102	TSI	Plumbing	Yellow Fiberglass (canvas cover)	<0.098
040215-SMOHI-BA-R104-M001		104	Caulking	Wall	White caulking on fire extinguisher cabinet	<0.095
040215-SMOHI-BA-R104-M002		104	HVAC-Vibration Sealant/tape	HVAC	Black sealant tape	<0.78
040215-SMOHI-BA-R104-M003		104	Vinyl Floor Tile w/o mastic	Floor	Blue VFT 12"x12"	<0.093
040215-SMOHI-BA-R104-M004		104	Mastic	Floor	Yellow mastic beneath white tile	1.2
040215-SMOHI-BA-R104-M005		104	Vinyl Floor Tile w/o mastic	Floor	White VFT 12"x12"	<0.89
040215-SMOHI-BA-R104-M006		104	Mastic	Floor	Yellow mastic beneath blue tile	2.1
040215-SMOHI-BA-R104-M007		104	TSI	Plumbing	Yellow pipe insulation	<0.96
040215-SMOHI-BA-R104-M008		104	Ceiling Tile	Ceiling	2'x2' White - Suspended Ceiling	<0.97
040215-SMOHI-BA-R104-M009		104	Caulking	Door	White door caulk	<0.78
040215-SMOHI-BA-R104-M010		104	Caulking	Window	White window caulk	<0.76
040215-SMOHI-BA-R104-M011		104	Cove Base	Wall	Brown/Black vinyl with white mastic	<0.83
040215-SMOHI-BA-R104-M012		104	Glazing	Window	Black Window Glazing	<0.77
040215-SMOHI-BA-R104-M013		104	Drywall/Plaster	Wall	White Joint Compound, Tan tape	<0.98
040215-SMOHI-BA-R104-M014		104	Paint	Wall	White Paint	<0.48
040215-SMOHI-BA-R105-M001		105	Paint	Floor	Gray floor paint	9.7
040215-SMOHI-BA-R105-M002		105	Paint	Floor	Gray floor paint	7
040215-SMOHI-BA-R105-M003		105	Paint	Floor	Gray floor paint	5.2
040215-SMOHI-BA-R105-M004		105	Spray-on Fire Proofing	Ceiling	Tan fireproofing	0.33
040215-SMOHI-BA-R105-M005		105	Spray-on Fire Proofing	Ceiling	Tan fireproofing	0.30
040215-SMOHI-BA-R105-M006		105	Spray-on Fire Proofing	Ceiling	Tan fireproofing	0.98
040215-SMOHI-BA-R105-M007		105	Caulking	Window	White fixed sidelight window caulking	<0.70
040215-SMOHI-BA-R105-M008		105	Fire-Stop Caulking	Wall	Yellow Foam	0.13
040215-SMOHI-BA-R105-M009		105	HVAC-Sealant	HVAC	Gray sealant	<9.2
040215-SMOHI-BA-R105-M010	040215-SMOHI-BA-R105-M006	105	Spray-on Fire Proofing	Ceiling	Tan fireproofing	0.34
040215-SMOHI-BA-R105-M011	040215-SMOHI-BA-R105-M003	105	Paint	Floor	Gray Floor Paint	3.36
040215-SMOHI-BA-R108-M001		108	Ceiling Tile	Ceiling	2'x2' White with grooves - suspended ceiling	<0.10
040215-SMOHI-BA-R108-M002		108	Caulking	Window	White window caulk	<0.78
040215-SMOHI-BA-R108-M003		108	Vinyl Floor Tile w/o mastic	Floor	Blue VFT 12"x12"	<0.091
040215-SMOHI-BA-R108-M004		108	Mastic	Floor	Yellow mastic beneath blue tile	0.33
040215-SMOHI-BA-R108-M005		108	Vinyl Floor Tile w/o mastic	Floor	White VFT 12"x12"	<0.099
040215-SMOHI-BA-R108-M006		108	Mastic	Floor	Yellow mastic beneath white tile	0.11
040215-SMOHI-BA-R108-M007		108	Cove Base	Wall	Black/Brown cove base	<0.93
040215-SMOHI-BA-R108-M008		108	Mastic	Wall	Cove base cream mastic	2.0
040215-SMOHI-BA-R108-M009		108	Caulking	Wall	White Joint Caulk	<0.95
040215-SMOHI-BA-R108-M010		108	Paint	Wall	White Paint	<0.099
040215-SMOHI-BA-R108-M011		108	Paint	Door	Blue door paint	0.18
040215-SMOHI-BA-R108-M012	040215-SMOHI-BA-R108-M011	108	Paint	Door	Blue door paint	0.21

Table 1: Bulk Building Materials Sampling Results
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Sample ID ¹	Duplicate Reference Sample ID (complete if Duplicate sample collected)	Room	General Material Type Sampled	Component Sampled	Detailed Material Description	Total PCBs (mg/kg)
Technology Building - 1st Floor						
040215-SMOHI-BA-R108-M013		108	Caulking	Door	White door caulk	0.11
040215-SMOHI-BA-R108-M014		108	Caulking	Wall	White caulking on fire extinguisher cabinet	<0.083
040315-SMOHI-BA-R109-M001		109	HVAC-Vibration Sealant/tape	HVAC	Black sealant tape	<0.78
040315-SMOHI-BA-R109-M002	040315-SMOHI-BA-R109-M001	109	HVAC-Vibration Sealant/tape	HVAC	Black sealant tape	<0.71
040315-SMOHI-BA-R109-M003		109	HVAC-Vibration Sealant/tape	HVAC	White sealant tape	<39
040315-SMOHI-BA-R109-M004	040315-SMOHI-BA-R109-M003	109	HVAC-Vibration Sealant/tape	HVAC	White sealant tape	<9.6
040215-SMOHI-BA-R112-M001		112	Vinyl Floor Tile w/o mastic	Floor	White VFT 12"x12"	<0.086
040215-SMOHI-BA-R112-M002		112	Mastic	Floor	Yellow mastic beneath white tile	0.2
040215-SMOHI-BA-R112-M003	040215-SMOHI-BA-R112-M002	112	Mastic	Floor	Yellow mastic beneath white tile	0.17
040215-SMOHI-BA-R112-M004		112	Vinyl Floor Tile w/o mastic	Floor	Blue VFT 12"x12"	<0.095
040215-SMOHI-BA-R112-M005		112	Mastic	Floor	Yellow mastic beneath blue tile	0.17
040215-SMOHI-BA-R112-M006		112	Cove Base	Wall	Black/Brown cove base	<0.088
040215-SMOHI-BA-R112-M007	040215-SMOHI-BA-R112-M006	112	Cove Base	Wall	Black/Brown cove base	<0.086
040215-SMOHI-BA-R112-M008		112	Mastic	Floor	White Cove Base Mastic	<0.098
040215-SMOHI-BA-R112-M009	040215-SMOHI-BA-R112-M008	112	Mastic	Floor	White Cove Base Mastic	<0.088
040215-SMOHI-BA-R112-M010		112	Caulking	Door	White door caulk	<0.65
040215-SMOHI-BA-R112-M011	040215-SMOHI-BA-R112-M010	112	Caulking	Door	White door caulk	<0.68
040215-SMOHI-BA-R112-M012		112	Ceiling Tile	Ceiling	2'x2' White - Suspended Ceiling	<0.098
040215-SMOHI-BA-R112-M013		112	Paint	Wall	White Paint	<0.44
040215-SMOHI-BA-R112-M014		112	Caulking	Wall	White joint caulk	<0.70
040215-SMOHI-BA-R112-M015		112	Drywall/Plaster	Wall	White Joint Compound, Tan tape	<0.093
040215-SMOHI-BA-R112-M016		112	Caulking	Window	Gray window caulk	<0.76
040215-SMOHI-BA-R112-M017		112	Paint	Door	Blue door paint	<0.71
040215-SMOHI-BA-R112A-M001		112A	HVAC-Sealant	HVAC	White (painted) sealant	<37
040215-SMOHI-BA-R112A-M002	040215-SMOHI-BA-R112A-M001	112A	HVAC-Sealant	HVAC	White (painted) sealant	<39
040215-SMOHI-BA-R112A-M003		112A	HVAC-Sealant	HVAC	White (painted) sealant	<38
040215-SMOHI-BA-R112A-M004		112A	HVAC-Sealant	HVAC	White (unpainted) sealant	<39
040115-SMOHI-BA-R113-M001		113	Vinyl Floor Tile w/o mastic	Floor	Blue VFT 12"x12"	<0.093
040115-SMOHI-BA-R113-M002	040115-SMOHI-BA-R113-M001	113	Vinyl Floor Tile w/o mastic	Floor	Blue VFT 12"x12"	<0.097
040115-SMOHI-BA-R113-M003		113	Mastic	Floor	Yellow mastic beneath blue tile	<0.44
040115-SMOHI-BA-R113-M004	040115-SMOHI-BA-R113-M003	113	Mastic	Floor	Yellow mastic beneath blue tile	0.14
040115-SMOHI-BA-R113-M005		113	Vinyl Floor Tile w/o mastic	Floor	White VFT 12"x12"	<0.088
040115-SMOHI-BA-R113-M006	040115-SMOHI-BA-R113-M005	113	Vinyl Floor Tile w/o mastic	Floor	White VFT 12"x12"	<0.091
040115-SMOHI-BA-R113-M007		113	Mastic	Floor	Yellow mastic beneath white tile	<0.49
040115-SMOHI-BA-R113-M008		113	Caulking	Door	White door caulk	<0.75
040115-SMOHI-BA-R113-M009		113	Cove Base	Wall	Brown/Black vinyl w/o mastic	<0.098
040115-SMOHI-BA-R113-M010		113	Mastic	Wall	Cove base cream mastic	<0.093
040115-SMOHI-BA-R113-M011		113	Foam Insulation	Window	Yellow Foam	<0.098
040115-SMOHI-BA-R113-M012		113	Glazing	Window	Fixed sidelight black glazing	<0.097
040115-SMOHI-BA-R113-M013		113	Glazing	Window	Awning window black glazing	0.16
040115-SMOHI-BA-R113-M014		113	HVAC-Sealant	HVAC	White sealant tape	<19
040115-SMOHI-BA-R113-M015		113	HVAC-Vibration Sealant/tape	HVAC	Black sealant tape	<0.38
040115-SMOHI-BA-R113-M016		113	Ceiling Tile	Ceiling	2'x2' White - suspended ceiling	<0.091
040115-SMOHI-BA-R113-M017		113	Paint	Wall	White Paint	<0.20
040215-SMOHI-BA-WOMEN-M001		Women's Restroom	Ceramic Tile	Floor	2"x2" Beige	<0.090
040215-SMOHI-BA-WOMEN-M002		Women's Restroom	Ceramic Tile	Floor	2"x2" Tan	<0.097
040215-SMOHI-BA-WOMEN-M003		Women's Restroom	Ceramic Tile	Wall	4"x4" Tan	<0.092
040215-SMOHI-BA-WOMEN-M004		Women's Restroom	Ceramic Tile	Wall	4"x4" White	<0.097
040215-SMOHI-BA-WOMEN-M005		Women's Restroom	Ceramic Tile	Wall	4"x4" Blue	<0.097
040215-SMOHI-BA-WOMEN-M006		Women's Restroom	Paint	Door	Blue with Red/Brown base layer	<0.45

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 Santa Monica High School
 601 Pico Boulevard, Santa Monica, CA

Sample ID ¹	Duplicate Reference Sample ID (complete if Duplicate sample collected)	Room	General Material Type Sampled	Component Sampled	Detailed Material Description	Total PCBs (mg/kg)
Technology Building - 1st Floor						
040215-SMOHI-BA-WOMEN-M007	040215-SMOHI-BA-WOMENS-M006	Women's Restroom	Paint	Door	Blue with Red/Brown base layer	<0.43
040215-SMOHI-BA-WOMEN-M008		Women's Restroom	Caulking	Sink	White sink caulking	<0.75
040215-SMOHI-BA-WOMEN-M009		Women's Restroom	Caulking	Toilet	White toilet caulk	<0.74
040215-SMOHI-BA-RMENS-M001		Men's Restroom	Ceramic Tile	Floor	2"x2" Beige	<0.088
040215-SMOHI-BA-RMENS-M002	040215-SMOHI-BA-RMENS-M001	Men's Restroom	Ceramic Tile	Floor	2"x2" Beige	<0.092
040215-SMOHI-BA-RMENS-M003		Men's Restroom	Ceramic Tile	Floor	2"x2" Tan	<0.088
040215-SMOHI-BA-RMENS-M004	040215-SMOHI-BA-RMENS-M003	Men's Restroom	Ceramic Tile	Floor	2"x2" Tan	<0.095
040215-SMOHI-BA-RMENS-M005		Men's Restroom	Ceramic Tile	Wall	4"x4" Tan	<0.095
040215-SMOHI-BA-RMENS-M006	040215-SMOHI-BA-RMENS-M005	Men's Restroom	Ceramic Tile	Wall	4"x4" Tan	<0.096
040215-SMOHI-BA-RMENS-M007		Men's Restroom	Ceramic Tile	Wall	4"x4" White	<0.097
040215-SMOHI-BA-RMENS-M008	040215-SMOHI-BA-RMENS-M007	Men's Restroom	Ceramic Tile	Wall	4"x4" White	<0.089
040215-SMOHI-BA-RMENS-M009		Men's Restroom	Ceramic Tile	Wall	4"x4" Blue	<0.087
040215-SMOHI-BA-RMENS-M010	040215-SMOHI-BA-RMENS-M009	Men's Restroom	Ceramic Tile	Wall	4"x4" Blue	<0.091
040215-SMOHI-BA-RMENS-M011		Men's Restroom	Caulking	Sink	White sink caulking	<0.76
040215-SMOHI-BA-RMENS-M012		Men's Restroom	Caulking	Toilet	Grey, Cementitious toilet caulk	<0.79
040315-SMOHI-BA-REXT-M017		EXT	Stucco	Wall	Cream painted stucco	<0.087
040315-SMOHI-BA-REXT-M018		EXT	Caulking	Window	White window caulking	<0.78
040315-SMOHI-BA-REXT-M019		EXT	Glazing	Window	Black window glazing	<0.78
040315-SMOHI-BA-REXT-M020		EXT	Stucco	Wall	Cream painted stucco	<0.10
040315-SMOHI-BA-REXT-M021		EXT	Caulking	Window	White window caulking	<0.74
040315-SMOHI-BA-REXT-M022		EXT	Glazing	Window	Black window glazing	<0.76
040315-SMOHI-BA-REXT-M023		EXT	Caulking	Expansion Joint	Tan expansion joint caulking	<0.76
040315-SMOHI-BA-REXT-M024	040315-SMOHI-BA-REXT-M023	EXT	Caulking	Expansion Joint	Tan expansion joint caulking	<0.80
040315-SMOHI-BA-REXT-M025		EXT	Paint	Exterior Walkway	Gray epoxy coating	<18
040315-SMOHI-BA-REXT-M026	040315-SMOHI-BA-REXT-M025	EXT	Paint	Exterior Walkway	Gray epoxy coating	<18
040315-SMOHI-BA-REXT-M027		EXT	Caulking	Expansion Joint	Gray expansion joint caulking	<0.99
040315-SMOHI-BA-REXT-M028	040315-SMOHI-BA-REXT-M027	EXT	Caulking	Expansion Joint	Gray expansion joint caulking	<0.92
Technology Building - 2nd Floor						
040315-SMOHI-BA-R200-M001		200	Vinyl Floor Tile w/o mastic	Floor	Blue VFT 12"x12"	<0.97
040315-SMOHI-BA-R200-M002		200	Mastic	Floor	Yellow mastic beneath blue tile	<0.97
040315-SMOHI-BA-R200-M003		200	Vinyl Floor Tile w/o mastic	Floor	White VFT 12"x12"	<0.090
040315-SMOHI-BA-R200-M004		200	Mastic	Floor	Yellow mastic beneath white tile	<0.97
040315-SMOHI-BA-R200-M005		200	Foam Insulation	Window	Window caulk/foam gray/white	<0.78
040315-SMOHI-BA-R200-M006	040315-SMOHI-BA-R200-M005	200	Foam Insulation	Window	Window caulk/foam gray/white	<0.74
040315-SMOHI-BA-R200-M007		200	Paint	Wall	White paint	<0.46
040315-SMOHI-BA-R200-M008		200	Paint	Door	Blue paint on door frame	0.54
040315-SMOHI-BA-R200-M009		200	Cove Base	Wall	Black/Brown cove base	<0.98
040315-SMOHI-BA-R200-M010		200	Mastic	Wall	Cove base tan mastic	<0.48
040315-SMOHI-BA-R200-M011		200	Caulking	Door	Tan/Gray door caulking	<0.79
040315-SMOHI-BA-R200-M012		200	Ceiling Tile	Ceiling	2'x4' White, grooved suspended ceiling	<0.98
040315-SMOHI-BA-R200-M013	040315-SMOHI-BA-R200-M012	200	Ceiling Tile	Ceiling	2'x4' White, grooved suspended ceiling	<0.99
040315-SMOHI-BA-R201-M001		201	Caulking	Wall	White wall joint caulking	<0.78
040315-SMOHI-BA-R201-M002	040315-SMOHI-BA-R201-M001	201	Caulking	Wall	White wall joint caulking	<0.76
040315-SMOHI-BA-R202-M001		202	Vinyl Floor Tile w/o mastic	Floor	Blue VFT 12"x12"	<0.99
040315-SMOHI-BA-R202-M002		202	Mastic	Floor	Yellow mastic beneath blue tile	<0.78
040315-SMOHI-BA-R202-M003		202	Vinyl Floor Tile w/o mastic	Floor	White VFT 12"x12"	<0.94
040315-SMOHI-BA-R202-M004		202	Mastic	Floor	Yellow mastic beneath white tile	<0.77

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 601 Pico Boulevard, Santa Monica, CA

Sample ID ¹	Duplicate Reference Sample ID (complete if Duplicate sample collected)	Room	General Material Type Sampled	Component Sampled	Detailed Material Description	Total PCBs (mg/kg)
Technology Building - 2nd Floor						
040315-SMOHI-BA-R202-M005		202	Ceiling Tile	Ceiling	2'x4' White, grooved suspended ceiling	<0.98
040315-SMOHI-BA-R202-M006		202	Cove Base	Wall	Black/Brown cove base	<0.99
040315-SMOHI-BA-R202-M007		202	Mastic	Wall	Cove base tan mastic	<0.98
040315-SMOHI-BA-R202-M008		202	Caulking	Door	Tan door caulking	<0.80
040315-SMOHI-BA-R202-M009		202	Caulking	Window	Tan window caulk	<0.77
040315-SMOHI-BA-R202-M010		202	Paint	Wall	White Paint	<0.47
040315-SMOHI-BA-R202-M011	040315-SMOHI-BA-R202-M010	202	Paint	Wall	White Paint	<0.49
040315-SMOHI-BA-R206-M001		206	Caulking	Wall	White caulking on wall mounted fire extinguisher cabinet	<0.78
040315-SMOHI-BA-R206-M002	040315-SMOHI-BA-R206-M001	206	Caulking	Wall	White caulking on wall mounted fire extinguisher cabinet	<0.78
040315-SMOHI-BA-R208-M001		208	Ceiling Tile	Ceiling	12"X12" White with pinholes glued on tile	<0.095
040315-SMOHI-BA-R208-M002		208	Ceiling Tile	Ceiling	12"X12" White with pinholes glued on tile	<0.091
040315-SMOHI-BA-R208-M003		208	Mastic	Ceiling	Brown glue daubs for 12"X12" glued white with pinholes tile	0.15
040315-SMOHI-BA-R208-M004		208	Mastic	Ceiling	Brown glue daubs for 12"X12" glued white with pinholes tile	0.29
040315-SMOHI-BA-R208-M005	040315-SMOHI-BA-R208-M002	208	Ceiling Tile	Ceiling	12"X12" White with pinholes glued on tile	<0.096
040315-SMOHI-BA-R208-M006	040315-SMOHI-BA-R208-M003	208	Mastic	Ceiling	Brown glue daubs for 12"X12" glued white with pinholes tile	0.28
040315-SMOHI-BA-R208-M007		208	Caulking	Window	White window caulk	<0.73
040315-SMOHI-BA-R208-M008	040315-SMOHI-BA-R208-M007	208	Caulking	Window	White window caulk	<0.79
040315-SMOHI-BA-R208-M009		208	Vinyl Floor Tile w/o mastic	Floor	Blue VFT 12"x12"	<0.99
040315-SMOHI-BA-R208-M010		208	Mastic	Floor	Yellow mastic beneath blue tile	<0.76
040315-SMOHI-BA-R208-M011		208	Vinyl Floor Tile w/o mastic	Floor	White VFT 12"x12"	<0.99
040315-SMOHI-BA-R208-M012		208	Mastic	Floor	Yellow mastic beneath white tile	<0.80
040315-SMOHI-BA-R208-M013		208	Caulking	Wall	White Joint Caulking	<0.78
040315-SMOHI-BA-R208-M014		208	Cove Base	Wall	Black/Brown cove base	<0.095
040315-SMOHI-BA-R208-M015		208	Caulking	Door	White painted door caulking	<0.75
040315-SMOHI-BA-R208-M016		208	Ceiling Tile	Ceiling	2'x4' White, suspended ceiling	<0.095
040315-SMOHI-BA-R208-M017		208	Paint	Wall	White Paint	<0.40
040315-SMOHI-BA-R208-M018		208	Paint	Door	Blue paint on door frame	1.12
040315-SMOHI-BA-R208-M019		208	Mastic	Wall	Cove base white mastic	<0.097
040315-SMOHI-BA-R208-M020	040315-SMOHI-BA-R208-M016	208	Ceiling Tile	Ceiling	2'x4' White, suspended ceiling	<0.096
040315-SMOHI-BA-R208-M021		208	TSI	Plumbing	Fiberglass, yellow (paper cover)	<0.091
040315-SMOHI-BA-R208-M022	040315-SMOHI-BA-R208-M021	208	TSI	Plumbing	Fiberglass, yellow (paper cover)	<0.099
040315-SMOHI-BA-R211-M001		211	Cove Base	Wall	Black/Brown cove base	<0.92
040315-SMOHI-BA-R211-M002		211	Mastic	Wall	Cove base tan mastic	<0.93
040315-SMOHI-BA-R211-M003		211	Caulking	Door	Tan door caulking	<0.76
040215-SMOHI-BA-R213-M001		213	Vinyl Floor Tile w/o mastic	Floor	Blue VFT 12"x12"	<0.083
040215-SMOHI-BA-R213-M002		213	Mastic	Floor	Yellow mastic beneath blue tile	<0.097
040215-SMOHI-BA-R213-M003		213	Vinyl Floor Tile w/o mastic	Floor	White VFT 12"x12"	<0.092
040215-SMOHI-BA-R213-M004		213	Mastic	Floor	Yellow mastic beneath white tile	<0.097
040215-SMOHI-BA-R214-M001		214	Caulking	Window	White painted over window caulking	<0.78

Table 1: Bulk Building Materials Sampling Results
 Santa Monica High School
 601 Pico Boulevard, Santa Monica, CA

Sample ID ¹	Duplicate Reference Sample ID (complete if Duplicate sample collected)	Room	General Material Type Sampled	Component Sampled	Detailed Material Description	Total PCBs (mg/kg)
Technology Building - 2nd Floor						
040315-SMOHI-BA-R214-M002		214	Ceiling Tile	Ceiling	2'x2' White - Suspended Ceiling	<0.097
040315-SMOHI-BA-R214-M003	040315-SMOHI-BA-R214-M002	214	Ceiling Tile	Ceiling	2'x2' White - Suspended Ceiling	<0.093
040215-SMOHI-BA-R219-M001		219	Ceiling Tile	Ceiling	12"X12" White with pinholes glued on tile	<0.092
040215-SMOHI-BA-R219-M002		219	Mastic	Ceiling	Brown glue daubs for 12"X12" glued white with pinholes tile	<0.098
040315-SMOHI-BA-R206B-M001		206B Women's Restroom	Ceramic Tile	Floor	2"x2" Beige	<0.10
040315-SMOHI-BA-R206B-M002		206B Women's Restroom	Ceramic Tile	Floor	2"x2" Tan	<0.099
040315-SMOHI-BA-R206B-M003		206B Women's Restroom	Ceramic Tile	Wall	4"x4" Blue	<0.98
040315-SMOHI-BA-R206B-M004		206B Women's Restroom	Ceramic Tile	Wall	4"x4" Tan	<0.99
040315-SMOHI-BA-R206B-M005		206B Women's Restroom	Ceramic Tile	Wall	4"x4" White	<0.98
040315-SMOHI-BA-R206B-M007		206B Women's Restroom	Caulking	Toilet	White toilet caulking	<0.48
040215-SMOHI-BA-R206C-M001		206C Men's Restroom	Paint	Floor	Floated Gray Epoxy Floor paint	1.7
040215-SMOHI-BA-R206C-M002	040215-SMOHI-BA-R206C-M001	206C Men's Restroom	Paint	Floor	Floated Gray Epoxy Floor paint	2.7
040215-SMOHI-BA-R206C-M003		206C Men's Restroom	Ceramic Tile	Floor	1"x1" Mosaic (Tan, Brown and Beige)	<0.10
040215-SMOHI-BA-R206C-M004	040215-SMOHI-BA-R206C-M003	206C Men's Restroom	Ceramic Tile	Floor	1"x1" Mosaic (Tan, Brown and Beige)	2.3
040215-SMOHI-BA-R206C-M005		206C Men's Restroom	Caulking	Sink	White/Clear sink caulking	<0.75
040215-SMOHI-BA-R206C-M006	040215-SMOHI-BA-R206C-M005	206C Men's Restroom	Caulking	Sink	White/Clear sink caulking	<0.80
040215-SMOHI-BA-R206C-M007		206C Men's Restroom	Caulking	Toilet	Beige toilet caulk	3.05
040215-SMOHI-BA-R206C-M008	040215-SMOHI-BA-R206C-M007	206C Men's Restroom	Caulking	Toilet	Beige toilet caulk	3.01
040215-SMOHI-BA-R206C-M009		206C Men's Restroom	Ceramic Tile	Wall	4"x4" White	<0.095
040215-SMOHI-BA-R206C-M010		206C Men's Restroom	Ceramic Tile	Wall	4"x4" Blue	<0.098
040215-SMOHI-BA-R206C-M011		206C Men's Restroom	Ceramic Tile	Wall	4"x4" Navy	<0.093
040215-SMOHI-BA-R206C-M012	040215-SMOHI-BA-R206C-M011	206C Men's Restroom	Ceramic Tile	Wall	4"x4" Navy	<0.089
040315-SMOHI-BA-R208B-M001		208B Women's Restroom	Ceramic Tile	Floor	2"x2" Tan	<0.094
040315-SMOHI-BA-R208B-M002		208B Women's Restroom	Ceramic Tile	Floor	2"x2" Beige	<0.98
040315-SMOHI-BA-R208B-M003		208B Women's Restroom	Ceramic Tile	Wall	4"x4" White	<0.96
040315-SMOHI-BA-R208B-M004		208B Women's Restroom	Ceramic Tile	Wall	4"x4" Tan	<0.98
040315-SMOHI-BA-R208B-M005		208B Women's Restroom	Ceramic Tile	Wall	4"x4" Blue	<0.090
040315-SMOHI-BA-R208B-M006		208B Women's Restroom	Caulking	Sink	White sink caulking	<0.74
040315-SMOHI-BA-R208B-M007		208B Women's Restroom	Caulking	Toilet	White toilet caulking	<0.76
040315-SMOHI-BA-R208B-M008	040315-SMOHI-BA-R208B-M006	208B Women's Restroom	Caulking	Sink	White sink caulking	<0.77
040315-SMOHI-BA-R208B-M009	040315-SMOHI-BA-R208B-M007	208B Women's Restroom	Caulking	Toilet	White toilet caulking	<0.77
040315-SMOHI-BA-RHALL-M001		2-Hall	Vinyl Floor Sheeting w/mastic	Floor	Blue marbled pattern vinyl sheeting with yellow mastic	<0.94
040315-SMOHI-BA-RHALL-M002		2-Hall	Leveling Compound	Floor	Gray	<0.91
040315-SMOHI-BA-RHALL-M003	040315-SMOHI-BA-RHALL-M001	2-Hall	Vinyl Floor Sheeting w/mastic	Floor	Blue marbled pattern vinyl sheeting with yellow mastic	<0.91
040315-SMOHI-BA-RHALL-M004	040315-SMOHI-BA-RHALL-M002	2-Hall	Leveling Compound	Floor	Gray	<0.90
040315-SMOHI-BA-RHALL-M005		2-Hall	Vinyl Floor Sheeting w/mastic	Floor	Blue marbled pattern vinyl sheeting with yellow mastic	<0.88
040315-SMOHI-BA-RHALL-M006		2-Hall	Vinyl Floor Sheeting w/mastic	Floor	Blue marbled pattern vinyl sheeting with yellow mastic	<0.93
040315-SMOHI-BA-REXT-M007		EXT	Caulking	Window	White window caulking	<0.77
040315-SMOHI-BA-REXT-M008	040315-SMOHI-BA-REXT-M007	EXT	Caulking	Window	White window caulking	<0.75
040315-SMOHI-BA-REXT-M009		EXT	Glazing	Window	Black window glazing	<0.79
040315-SMOHI-BA-REXT-M010		EXT	Stucco	Wall	Cream painted stucco	<0.095
040315-SMOHI-BA-REXT-M011		EXT	Stucco	Wall	Cream painted stucco	<0.097
040315-SMOHI-BA-REXT-M012		EXT	Caulking	Window	White window caulking	<0.76
040315-SMOHI-BA-REXT-M013		EXT	Glazing	Window	Black window glazing	<0.77
040315-SMOHI-BA-REXT-M014		EXT	Stucco	Wall	Cream painted stucco	<0.091
040315-SMOHI-BA-REXT-M015		EXT	Caulking	Window	White window caulking	<0.71
040315-SMOHI-BA-REXT-M016		EXT	Glazing	Window	Black window glazing	<0.74

Table 1: Bulk Building Materials Sampling Results
 Santa Monica High School
 601 Pico Boulevard, Santa Monica, CA

Sample ID ¹	Duplicate Reference Sample ID (complete if Duplicate sample collected)	Room	General Material Type Sampled	Component Sampled	Detailed Material Description	Total PCBs (mg/kg)
Technology Building - Auto Shop Subfloor						
040315-SMOHI-BA-R10-M001		T10	HVAC-Vibration Dampener	Rubber dampener	Gray rubber dampener	<1.0
040315-SMOHI-BA-R10-M002	040315-SMOHI-BA-R10-M001	T10	HVAC-Vibration Dampener	Rubber dampener	Gray rubber dampener	<0.92
040315-SMOHI-BA-R10-M003		T10	Paint	Door	Blue door paint	0.49
040315-SMOHI-BA-R10-M004		T10	Caulking	Window	Black window caulk	<0.79
040315-SMOHI-BA-R12-M001		T12	TSI	Plumbing	White paper, yellow foam	<0.099
040315-SMOHI-BA-REXT-M001		EXT	Stucco	Wall	Cream painted stucco	<0.087
040315-SMOHI-BA-REXT-M002	040315-SMOHI-BA-REXT-M001	EXT	Stucco	Wall	Cream painted stucco	<0.099
040315-SMOHI-BA-REXT-M003		EXT	Caulking	Window	Black window caulk	<0.71
040315-SMOHI-BA-REXT-M004	040315-SMOHI-BA-REXT-M003	EXT	Caulking	Window	Black window caulk	<0.74
040315-SMOHI-BA-REXT-M005		EXT	Glazing	Window	Black window glazing	<0.70
040315-SMOHI-BA-REXT-M006	040315-SMOHI-BA-REXT-M005	EXT	Glazing	Window	Black window glazing	<0.77
Technology Building - Roof						
040115-SMOHI-BA-RROOF-M001		Roof	Caulking	Parapet cap	White sealant weathered	<0.78
040115-SMOHI-BA-RROOF-M002	040115-SMOHI-BA-RROOF-M001	Roof	Caulking	Parapet cap	White sealant weathered	<0.78
040115-SMOHI-BA-RROOF-M003		Roof	Caulking	Parapet cap	White sealant weathered	<0.78
040115-SMOHI-BA-RROOF-M004		Roof	Caulking	Parapet cap	White sealant weathered	<0.77
040115-SMOHI-BA-RROOF-M005		Roof	Paint	Metal exhaust fan	Tan weathered	<0.093
040115-SMOHI-BA-RROOF-M006	040115-SMOHI-BA-RROOF-M005	Roof	Paint	Metal exhaust fan	Tan weathered	1.6 J
040115-SMOHI-BA-RROOF-M007		Roof	Paint	Metal exhaust fan	Tan weathered	1.3
040115-SMOHI-BA-RROOF-M008		Roof	Paint	Metal hatch	Tan weathered	0.5
040115-SMOHI-BA-RROOF-M009		Roof	Roofing	Roofing Felt	Black felt and tar	<0.98
040115-SMOHI-BA-RROOF-M010	040115-SMOHI-BA-RROOF-M009	Roof	Roofing	Roofing Felt	Black felt and tar	<0.97
040115-SMOHI-BA-RROOF-M011		Roof	Roofing	Roofing Felt	Black felt and tar	<0.93
040115-SMOHI-BA-RROOF-M012		Roof	Roofing	Roofing Felt	Black felt and tar	<0.96

Notes:
 mg/kg = milligrams per kilogram
 < = The result was not detected above the method detection limit indicated.
 J = The compound of analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
 TSI = Thermal Systems Insulation
 HVAC = Heating Ventilation and Air Conditioning
 EXT = Exterior
 VFT = Vinyl Floor Tile

¹Sample ID explanation: For example, sample ID "040215-SAMOHI-BA-R108-M003" indicates the sample was collected on April 2, 2015 (040215) at Santa Monica High School (SMOHI), Interior Building (BA), Room 108 (R108), and is Material #3 (M003).

FIGURES



SOURCE:
 National Geographic World Map
 ESRI ArcGIS Online
 © 2010 National Geographic Society
 Reference Data: National Geographic, Esri,
 DeLorme, HERE, IPC, NRCAN, METI

Map Created with ESRI ArcMap and National Geographic TOPO!™ ©2001 National Geographic Holdings [www.topo.com]



Path: Z:\01_Projects\Olympic High School\04-33980L_Olympic HS\Figure 1 - Santa Monica HS Site Location Map.mxd

	<h1>Site Location Map</h1>	<h2>Figure 1</h2>
<p>DRAFTED BY: SShin</p>	<p>Date: 5/27/2015</p>	<p>Santa Monica High School 601 Pico Boulevard Santa Monica, CA</p>
		<p>PROJECT: 04-33980L</p>



Building inspected for PCBs
in building materials by
Ramboll Environ

Technology I

Science

Baseball Field

Parking

Softball Field

Parking

MICHIGAN AVE.

LINCOLN AVENUE

Track and
Football Field

North
Gym

Music

Bamum
Hall

Business
A

Admin.

Pool
Bldg.

History
O
M

Art

H

South
Gym

Cafateria

Language
S

SEVENTH STREET

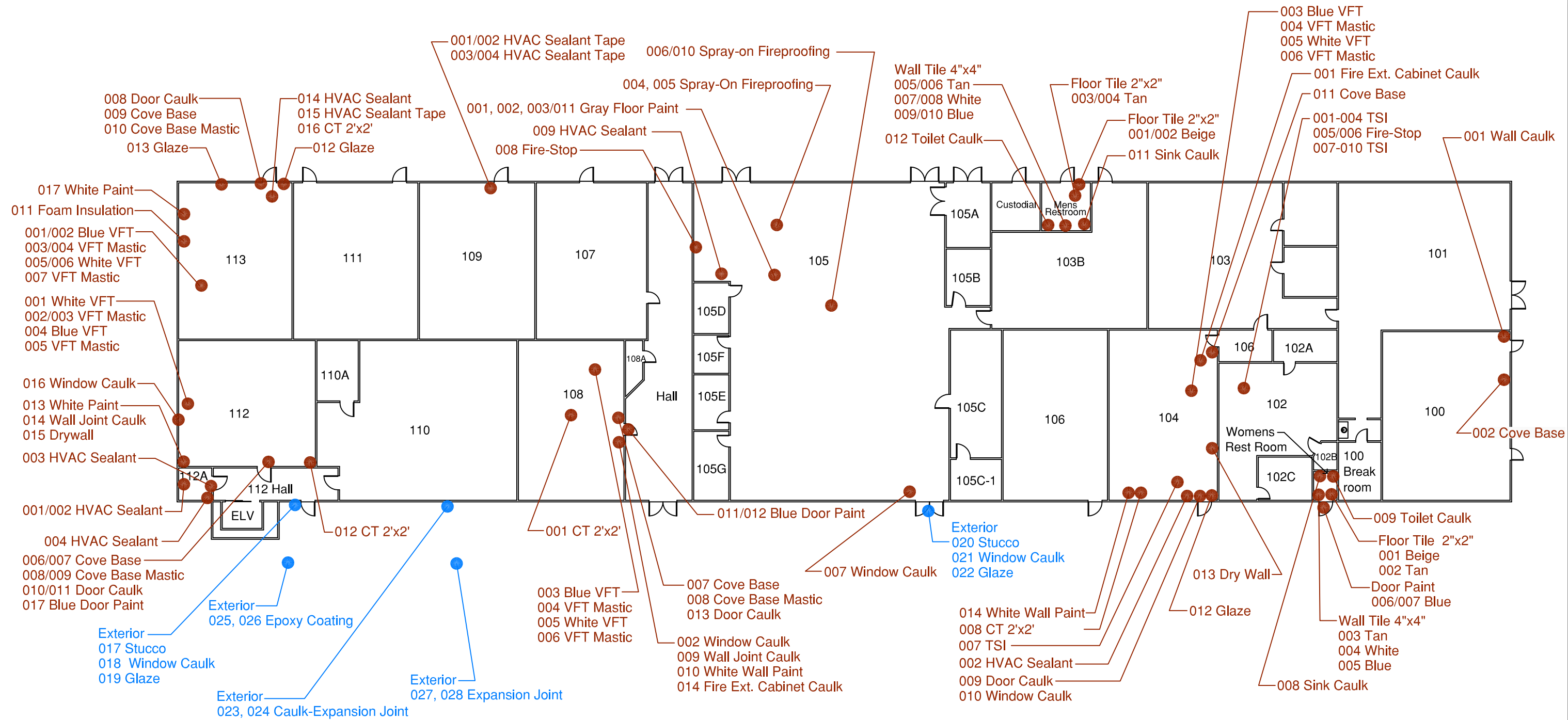
PICO BOULEVARD

Legend:

 Site Boundary

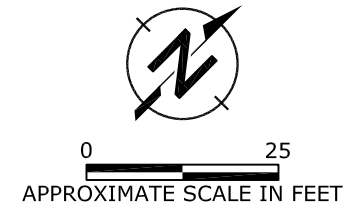
- NOTES:
1. Not To Scale
2. Basemap from Figure 2 - Site Plan by
ATC Associates, Inc. Dated July 2009.

RMSO 6/9/15 Q:\DRAWINGS\0433980R < SMO-HI-MATERIAL-MAP >



- Legend:**
- 001/002 Duplicate Sample Collected
 - TSI Thermal System Insulation
 - VFT Vinyl Floor Tile
 - CT Ceiling Tile
 - HVAC Heating Ventilation and Air Conditioning
 - Blue Text Exterior Samples
 - Red Text Interior Samples

Note: Sample ID's presented in Figure 3 correlate with ID's provided in Table 1 as follows. For example, shown in Room 108 is a sample labelled "003 Blue VFT", indicating this was the 3rd material sampled in this room and the material was blue vinyl floor tile. This sample correlates with sample ID "040215-SMOHI-BA-R108-M003" shown in Table 1. This sample ID indicates the sample was collected on April 2, 2015 (040215) at Santa Monica High School (SMOHI), Interior Building (BA), Room 108 (R108), and is Material #3 (M003).

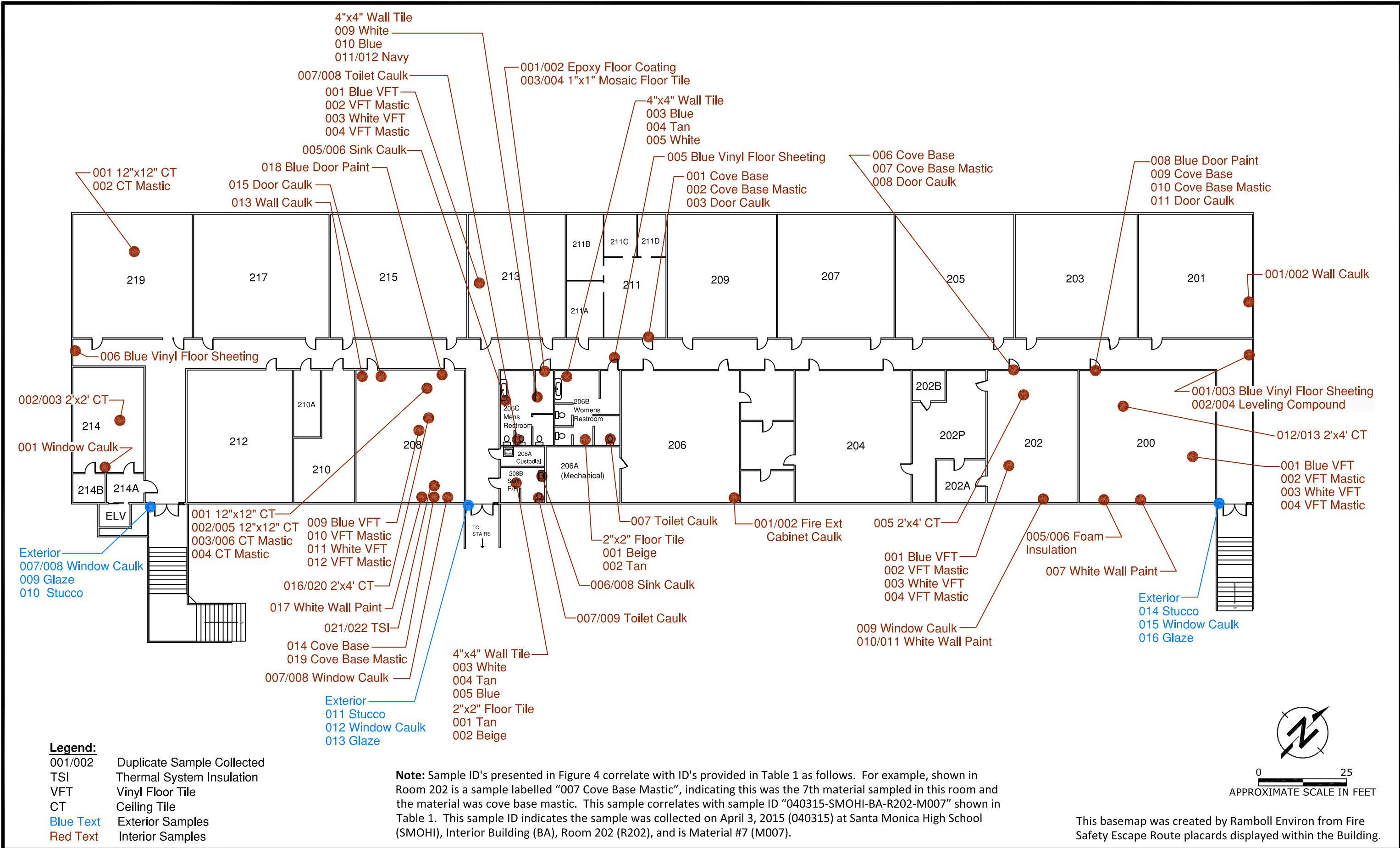


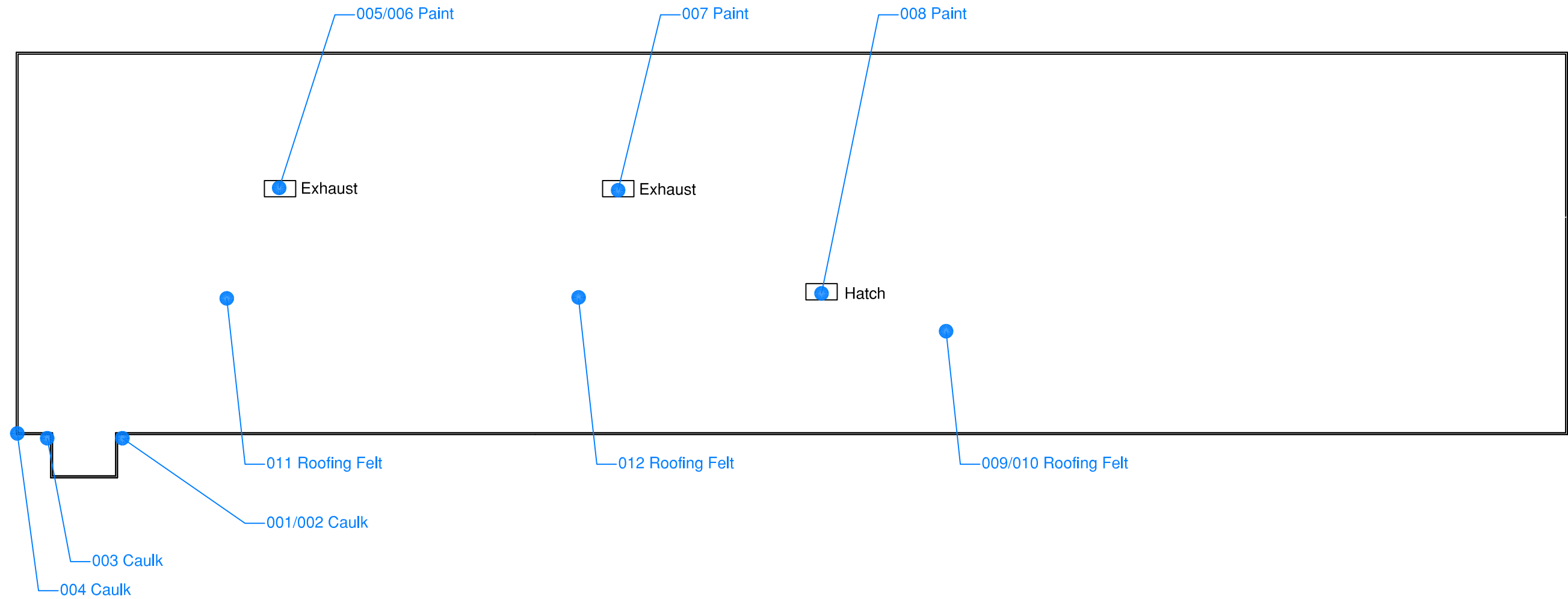
This basemap was created by Ramboll Environ from Fire Safety Escape Route placards displayed within the Building.



Technology Building - 1st Floor Sampling Locations
 Santa Monica High School
 601 Pico Boulevard
 Santa Monica, California

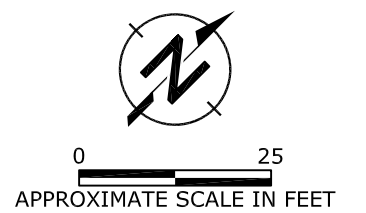
FIGURE 3



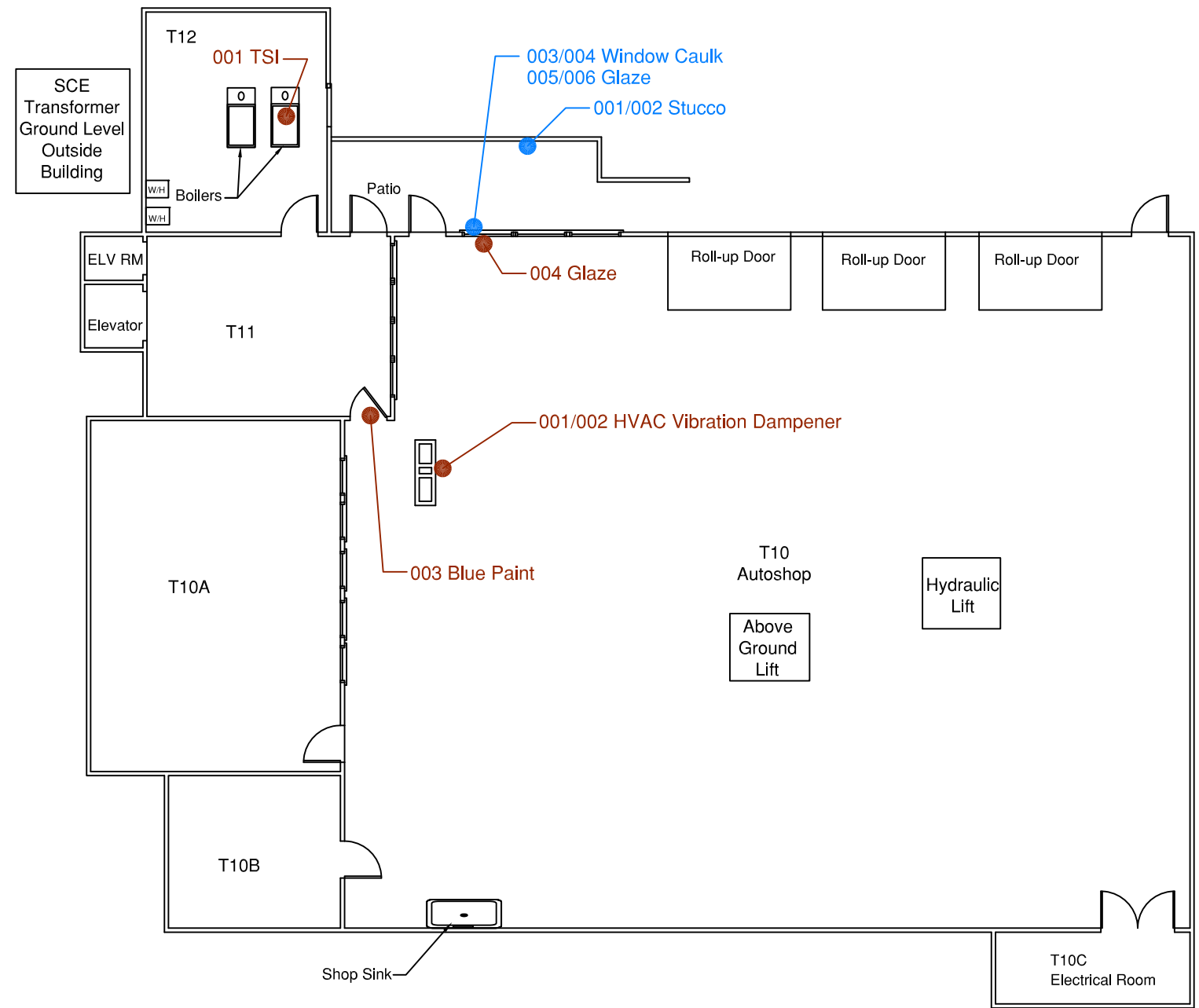


Legend:
 001/002 Duplicate Sample Collected
 Blue Text Exterior Samples
 Red Text Interior Samples

Note: Sample ID's presented in Figure 5 correlate with ID's provided in Table 1 as follows. For example, shown on the Roof is a sample labelled "007 Paint", indicating this was the 7th material sampled on the roof and the material was paint. This sample correlates with sample ID "040215-SMOHI-BA-RROOF-M007" shown in Table 1. This sample ID indicates the sample was collected on April 2, 2015 (040215) at Santa Monica High School (SMOHI), Interior Building (BA), Roof (RROOF), and is Material #7 (M007).

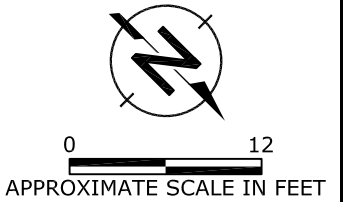


This basemap was created by Ramboll Environ from Fire Safety Escape Route placards displayed within the Building.



- Legend:**
- 001/002 Duplicate Sample Collected
 - TSI Thermal System Insulation
 - ELV RM Elevator Room
 - W/H Water Heater
 - HVAC Heating Ventilation and Air Conditioning
 - Blue Text Exterior Samples
 - Red Text Interior Samples

Note: Sample ID's presented in Figure 6 correlate with ID's provided in Table 1 as follows. For example, shown in Room 10 is a sample labelled "001 HVAC Vibration Dampener", indicating this was the 1st material sampled in this room and the material was HVAC Vibration Dampener. This sample correlates with sample ID "040315-SMOHI-BA-R10-M001" shown in Table 1. This sample ID indicates the sample was collected on April 3, 2015 (040215) at Santa Monica High School (SMOHI), Interior Building (BA), Room 10 (R10), and is Material #1 (M001).



This basemap was created by Ramboll Environ from Fire Safety Escape Route placards displayed within the Building.

APPENDIX A
SITE PHOTOGRAPHS



Photo 1: Ceiling Tile, 2'x2' White Painted (1st Floor).



Photo 2: Ceiling Tile, 2'x4' White Painted (2nd Floor).

Title: SAMOHI Photographs

Date: April 2015

Site Location: Santa Monica, CA





Photo 3: Door Paint, Blue Paint



Photo 4: Expansion Joint Caulk, Gray (Exterior walkway)

Title: SAMOHI Photographs

Date: April 2015

Site Location: Santa Monica, CA





Photo 5: Roof Fan Hood Paint, Beige.

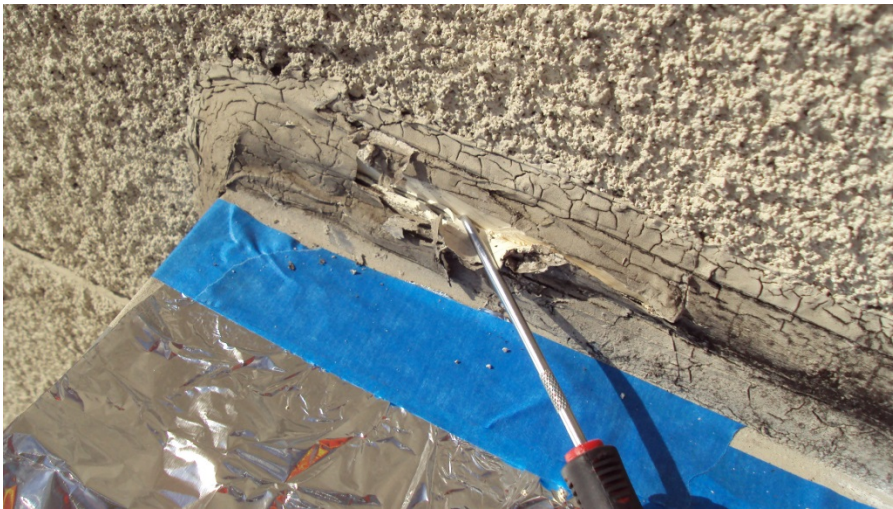


Photo 6: Roof Parapet Caulk, White.

Title: SAMOHI Photographs

Date: April 2015

Site Location: Santa Monica, CA



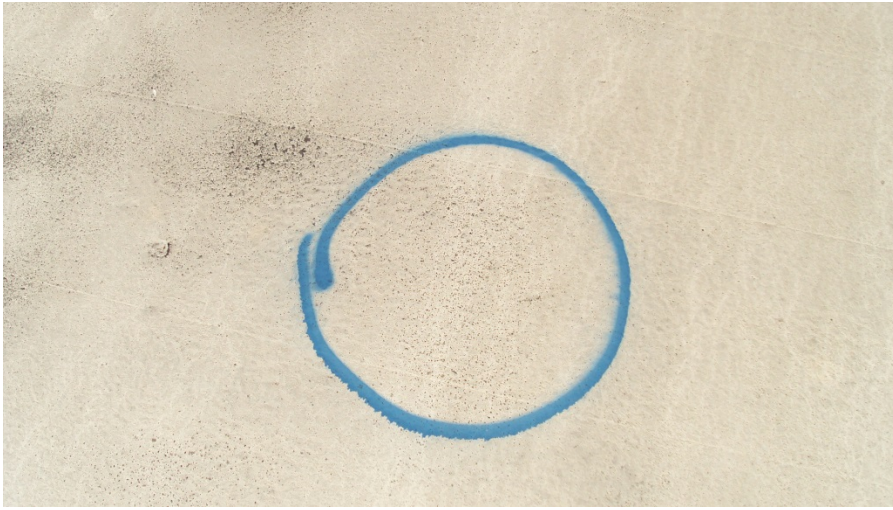


Photo 7: Roof Felt with tar.



Photo 8: Fire Stop Caulk (Room 105).

Title: SAMOHI Photographs

Date: April 2015

Site Location: Santa Monica, CA





Photo 9: Fire-proofing (Room 105).



Photo 10: Floor Paint, Gray (Room 105).

Title: SAMOHI Photographs

Date: April 2015

Site Location: Santa Monica, CA





Photo 11: Floor Tile - Vinyl, 12"x12" Blue with Light Blue Waved pattern and 12"x12" White with Grey Strreaked pattern abutting white painted walls. (1st and 2nd Floors)



Photo 12: Floor Sheet Vinyl, Blue with Tan Marbled pattern (2nd Floor only) abutting White Painted Walls and Black Vinyl Cove Base (All Floors).

Title: SAMOHI Photographs

Date: April 2015

Site Location: Santa Monica, CA





Photo 13: Wall Tile - Ceramic, 4"x4" Blue, Tan and White with Tan and Beige 2"x2" Ceramic Floor tiles. (1st Floor Men & Women Bathrooms; 2nd Floor both Women Bathrooms)



Photo 14: Sink and Toilet Caulk, White. (All Bathrooms)

Title: SAMOHI Photographs

Date: April 2015

Site Location: Santa Monica, CA





Photo 15: Wall Joint Caulk, White.



Photo 16: Stucco Painted, Cream abutting White Window Caulk and Black Window Glazing.

Title: SAMOHI Photographs

Date: April 2015

Site Location: Santa Monica, CA





Photo 17: Window Caulk, Black inside Blue Window framed casing (Exterior Room T10).



Photo 18: HVAC Caulk/Sealant (Mechanical Room).

Title: SAMOHI Photographs

Date: April 2015

Site Location: Santa Monica, CA



APPENDIX B
LABORATORY ANALYTICAL DATA REPORTS

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0157

Enclosed are results of analyses for samples received by the laboratory on April 3, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0157

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040115-SMOHI-BA-RROOF-M001	15D0157-01	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-RROOF-M002	15D0157-02	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-RROOF-M003	15D0157-03	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-RROOF-M004	15D0157-04	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-RROOF-M005	15D0157-05	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-RROOF-M006	15D0157-06	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-RROOF-M007	15D0157-07	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-RROOF-M008	15D0157-08	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-RROOF-M009	15D0157-09	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-RROOF-M010	15D0157-10	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-RROOF-M011	15D0157-11	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-RROOF-M012	15D0157-12	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M001	15D0157-13	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M002	15D0157-14	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M003	15D0157-15	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M004	15D0157-16	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M005	15D0157-17	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M006	15D0157-18	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M007	15D0157-19	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M008	15D0157-20	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]

15D0157-06[040115-SMOHI-BA-RROOF-M006]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M001

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:20	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:20	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:20	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:20	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:20	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:20	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:20	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:20	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:20	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:20	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		54.7	30-150					4/9/15 1:20	
Decachlorobiphenyl [2]		51.9	30-150					4/9/15 1:20	
Tetrachloro-m-xylene [1]		48.3	30-150					4/9/15 1:20	
Tetrachloro-m-xylene [2]		51.1	30-150					4/9/15 1:20	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M002

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:33	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:33	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:33	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:33	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:33	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:33	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:33	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:33	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:33	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:33	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.7	30-150					4/9/15 1:33	
Decachlorobiphenyl [2]		67.5	30-150					4/9/15 1:33	
Tetrachloro-m-xylene [1]		61.3	30-150					4/9/15 1:33	
Tetrachloro-m-xylene [2]		64.5	30-150					4/9/15 1:33	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M003

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:46	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:46	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:46	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:46	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:46	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:46	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:46	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:46	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:46	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:46	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.2	30-150					4/9/15 1:46	
Decachlorobiphenyl [2]		76.6	30-150					4/9/15 1:46	
Tetrachloro-m-xylene [1]		68.1	30-150					4/9/15 1:46	
Tetrachloro-m-xylene [2]		74.6	30-150					4/9/15 1:46	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M004

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:59	JMB
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:59	JMB
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:59	JMB
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:59	JMB
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:59	JMB
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:59	JMB
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:59	JMB
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:59	JMB
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:59	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 1:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		64.4	30-150					4/9/15 1:59	
Decachlorobiphenyl [2]		63.0	30-150					4/9/15 1:59	
Tetrachloro-m-xylene [1]		61.8	30-150					4/9/15 1:59	
Tetrachloro-m-xylene [2]		64.7	30-150					4/9/15 1:59	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M005

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 19:57	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 19:57	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 19:57	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 19:57	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 19:57	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 19:57	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 19:57	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 19:57	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 19:57	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 19:57	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.7	30-150					4/9/15 19:57	
Decachlorobiphenyl [2]		81.2	30-150					4/9/15 19:57	
Tetrachloro-m-xylene [1]		85.1	30-150					4/9/15 19:57	
Tetrachloro-m-xylene [2]		86.4	30-150					4/9/15 19:57	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M006

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:32	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:32	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:32	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:32	JMB
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:32	JMB
Aroclor-1254 [2]	1.6	0.48	mg/Kg	1	P-01	SW-846 8082A	4/6/15	4/8/15 16:32	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:32	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:32	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:32	JMB
	1.6		mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:32	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					4/8/15 16:32	
Decachlorobiphenyl [2]		95.9	30-150					4/8/15 16:32	
Tetrachloro-m-xylene [1]		102	30-150					4/8/15 16:32	
Tetrachloro-m-xylene [2]		96.9	30-150					4/8/15 16:32	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M007

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:45	JMB
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:45	JMB
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:45	JMB
Aroclor-1242 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:45	JMB
Aroclor-1248 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:45	JMB
Aroclor-1254 [2]	1.3	0.45	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:45	JMB
Aroclor-1260 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:45	JMB
Aroclor-1262 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:45	JMB
Aroclor-1268 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:45	JMB
		1.3	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:45	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.4	30-150					4/8/15 16:45	
Decachlorobiphenyl [2]		90.3	30-150					4/8/15 16:45	
Tetrachloro-m-xylene [1]		96.9	30-150					4/8/15 16:45	
Tetrachloro-m-xylene [2]		92.7	30-150					4/8/15 16:45	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M008

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:58	JMB
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:58	JMB
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:58	JMB
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:58	JMB
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:58	JMB
Aroclor-1254 [1]	0.50	0.43	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:58	JMB
Aroclor-1260 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:58	JMB
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:58	JMB
Aroclor-1268 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:58	JMB
	0.50		mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 16:58	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.3	30-150					4/8/15 16:58	
Decachlorobiphenyl [2]		88.0	30-150					4/8/15 16:58	
Tetrachloro-m-xylene [1]		92.9	30-150					4/8/15 16:58	
Tetrachloro-m-xylene [2]		88.9	30-150					4/8/15 16:58	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M009

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:10	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:10	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:10	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:10	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:10	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:10	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:10	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:10	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:10	JMB
	0.0		mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:10	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.2	30-150					4/9/15 20:10	
Decachlorobiphenyl [2]		79.0	30-150					4/9/15 20:10	
Tetrachloro-m-xylene [1]		82.8	30-150					4/9/15 20:10	
Tetrachloro-m-xylene [2]		85.5	30-150					4/9/15 20:10	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M010

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:23	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:23	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:23	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:23	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:23	JMB
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:23	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:23	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:23	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:23	JMB
	0.0		mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:23	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	59.6	30-150	4/9/15 20:23						
Decachlorobiphenyl [2]	69.1	30-150	4/9/15 20:23						
Tetrachloro-m-xylene [1]	80.1	30-150	4/9/15 20:23						
Tetrachloro-m-xylene [2]	74.6	30-150	4/9/15 20:23						

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M011

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:36	JMB
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:36	JMB
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:36	JMB
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:36	JMB
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:36	JMB
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:36	JMB
Aroclor-1260 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:36	JMB
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:36	JMB
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:36	JMB
	0.0		mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:36	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		58.0	30-150					4/9/15 20:36	
Decachlorobiphenyl [2]		58.6	30-150					4/9/15 20:36	
Tetrachloro-m-xylene [1]		80.7	30-150					4/9/15 20:36	
Tetrachloro-m-xylene [2]		74.9	30-150					4/9/15 20:36	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-RROOF-M012

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:49	JMB
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:49	JMB
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:49	JMB
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:49	JMB
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:49	JMB
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:49	JMB
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:49	JMB
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:49	JMB
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:49	JMB
	0.0		mg/Kg	10		SW-846 8082A	4/6/15	4/9/15 20:49	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		52.8	30-150					4/9/15 20:49	
Decachlorobiphenyl [2]		66.8	30-150					4/9/15 20:49	
Tetrachloro-m-xylene [1]		79.7	30-150					4/9/15 20:49	
Tetrachloro-m-xylene [2]		74.5	30-150					4/9/15 20:49	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M001

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:40	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:40	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:40	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:40	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:40	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:40	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:40	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:40	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:40	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:40	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.7	30-150					4/9/15 21:40	
Decachlorobiphenyl [2]		77.4	30-150					4/9/15 21:40	
Tetrachloro-m-xylene [1]		82.2	30-150					4/9/15 21:40	
Tetrachloro-m-xylene [2]		80.5	30-150					4/9/15 21:40	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M002

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:53	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:53	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:53	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:53	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:53	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:53	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:53	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:53	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:53	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 21:53	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		68.5	30-150					4/9/15 21:53	
Decachlorobiphenyl [2]		71.2	30-150					4/9/15 21:53	
Tetrachloro-m-xylene [1]		76.8	30-150					4/9/15 21:53	
Tetrachloro-m-xylene [2]		74.3	30-150					4/9/15 21:53	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M003

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:11	JMB
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:11	JMB
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:11	JMB
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:11	JMB
Aroclor-1248 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:11	JMB
Aroclor-1254 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:11	JMB
Aroclor-1260 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:11	JMB
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:11	JMB
Aroclor-1268 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:11	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:11	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.9	30-150					4/8/15 17:11	
Decachlorobiphenyl [2]		87.8	30-150					4/8/15 17:11	
Tetrachloro-m-xylene [1]		90.3	30-150					4/8/15 17:11	
Tetrachloro-m-xylene [2]		86.9	30-150					4/8/15 17:11	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M004

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:06	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:06	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:06	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:06	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:06	JMB
Aroclor-1254 [2]	0.14	0.094	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:06	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:06	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:06	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:06	JMB
	0.14		mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:06	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.7	30-150					4/9/15 22:06	
Decachlorobiphenyl [2]		71.7	30-150					4/9/15 22:06	
Tetrachloro-m-xylene [1]		68.2	30-150					4/9/15 22:06	
Tetrachloro-m-xylene [2]		65.1	30-150					4/9/15 22:06	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M005

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:19	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:19	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:19	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:19	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:19	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:19	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:19	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:19	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:19	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:19	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.3	30-150					4/9/15 22:19	
Decachlorobiphenyl [2]		71.3	30-150					4/9/15 22:19	
Tetrachloro-m-xylene [1]		76.2	30-150					4/9/15 22:19	
Tetrachloro-m-xylene [2]		64.1	30-150					4/9/15 22:19	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M006

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:32	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:32	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:32	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:32	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:32	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:32	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:32	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:32	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:32	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/9/15 22:32	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.8	30-150					4/9/15 22:32	
Decachlorobiphenyl [2]		75.2	30-150					4/9/15 22:32	
Tetrachloro-m-xylene [1]		80.7	30-150					4/9/15 22:32	
Tetrachloro-m-xylene [2]		77.2	30-150					4/9/15 22:32	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M007

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:24	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:24	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:24	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:24	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:24	JMB
Aroclor-1254 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:24	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:24	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:24	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:24	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/8/15 17:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.3	30-150					4/8/15 17:24	
Decachlorobiphenyl [2]		84.4	30-150					4/8/15 17:24	
Tetrachloro-m-xylene [1]		86.1	30-150					4/8/15 17:24	
Tetrachloro-m-xylene [2]		83.9	30-150					4/8/15 17:24	

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Project Location: SMO

Sample Description:

Work Order: 15D0157

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M008

Sampled: 4/1/2015 00:00

Sample ID: 15D0157-20

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 2:12	JMB
Aroclor-1221 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 2:12	JMB
Aroclor-1232 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 2:12	JMB
Aroclor-1242 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 2:12	JMB
Aroclor-1248 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 2:12	JMB
Aroclor-1254 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 2:12	JMB
Aroclor-1260 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 2:12	JMB
Aroclor-1262 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 2:12	JMB
Aroclor-1268 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 2:12	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/6/15	4/9/15 2:12	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					4/9/15 2:12	
Decachlorobiphenyl [2]		97.7	30-150					4/9/15 2:12	
Tetrachloro-m-xylene [1]		104	30-150					4/9/15 2:12	
Tetrachloro-m-xylene [2]		106	30-150					4/9/15 2:12	

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0157-01 [040115-SMOHI-BA-RROOF-M001]	B118593	0.516	10.0	04/06/15
15D0157-02 [040115-SMOHI-BA-RROOF-M002]	B118593	0.513	10.0	04/06/15
15D0157-03 [040115-SMOHI-BA-RROOF-M003]	B118593	0.514	10.0	04/06/15
15D0157-04 [040115-SMOHI-BA-RROOF-M004]	B118593	0.517	10.0	04/06/15
15D0157-20 [040115-SMOHI-BA-R113-M008]	B118593	0.531	10.0	04/06/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0157-06 [040115-SMOHI-BA-RROOF-M006]	B118599	0.208	10.0	04/06/15
15D0157-07 [040115-SMOHI-BA-RROOF-M007]	B118599	0.220	10.0	04/06/15
15D0157-08 [040115-SMOHI-BA-RROOF-M008]	B118599	0.235	10.0	04/06/15
15D0157-15 [040115-SMOHI-BA-R113-M003]	B118599	0.225	10.0	04/06/15
15D0157-19 [040115-SMOHI-BA-R113-M007]	B118599	0.206	10.0	04/06/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0157-05 [040115-SMOHI-BA-RROOF-M005]	B118600	2.14	10.0	04/06/15
15D0157-09 [040115-SMOHI-BA-RROOF-M009]	B118600	2.04	10.0	04/06/15
15D0157-10 [040115-SMOHI-BA-RROOF-M010]	B118600	2.06	10.0	04/06/15
15D0157-11 [040115-SMOHI-BA-RROOF-M011]	B118600	2.14	10.0	04/06/15
15D0157-12 [040115-SMOHI-BA-RROOF-M012]	B118600	2.09	10.0	04/06/15
15D0157-13 [040115-SMOHI-BA-R113-M001]	B118600	2.16	10.0	04/06/15
15D0157-14 [040115-SMOHI-BA-R113-M002]	B118600	2.06	10.0	04/06/15
15D0157-16 [040115-SMOHI-BA-R113-M004]	B118600	2.13	10.0	04/06/15
15D0157-17 [040115-SMOHI-BA-R113-M005]	B118600	2.26	10.0	04/06/15
15D0157-18 [040115-SMOHI-BA-R113-M006]	B118600	2.19	10.0	04/06/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118593 - SW-846 3540C

Blank (B118593-BLK1)

Prepared: 04/06/15 Analyzed: 04/08/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	3.93		mg/Kg	4.00		98.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.57		mg/Kg	4.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene	3.79		mg/Kg	4.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.53		mg/Kg	4.00		88.1	30-150			

LCS (B118593-BS1)

Prepared: 04/06/15 Analyzed: 04/08/15

Aroclor-1016	3.1	0.20	mg/Kg	4.00		78.6	40-140			
Aroclor-1016 [2C]	3.2	0.20	mg/Kg	4.00		78.9	40-140			
Aroclor-1260	3.4	0.20	mg/Kg	4.00		84.1	40-140			
Aroclor-1260 [2C]	3.3	0.20	mg/Kg	4.00		81.7	40-140			
Surrogate: Decachlorobiphenyl	3.40		mg/Kg	4.00		85.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.12		mg/Kg	4.00		78.0	30-150			
Surrogate: Tetrachloro-m-xylene	3.28		mg/Kg	4.00		82.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.09		mg/Kg	4.00		77.2	30-150			

LCS Dup (B118593-BSD1)

Prepared: 04/06/15 Analyzed: 04/08/15

Aroclor-1016	3.4	0.20	mg/Kg	4.00		86.0	40-140	8.99	30	
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		87.7	40-140	10.6	30	
Aroclor-1260	3.8	0.20	mg/Kg	4.00		95.9	40-140	13.1	30	
Aroclor-1260 [2C]	3.8	0.20	mg/Kg	4.00		93.8	40-140	13.9	30	
Surrogate: Decachlorobiphenyl	3.87		mg/Kg	4.00		96.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.55		mg/Kg	4.00		88.8	30-150			
Surrogate: Tetrachloro-m-xylene	3.58		mg/Kg	4.00		89.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.39		mg/Kg	4.00		84.7	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118593 - SW-846 3540C

Matrix Spike (B118593-MS1)

Source: 15D0157-01

Prepared: 04/06/15 Analyzed: 04/09/15

Aroclor-1016	2.3	0.78	mg/Kg	3.91	ND	58.4	40-140			
Aroclor-1016 [2C]	2.7	0.78	mg/Kg	3.91	ND	68.4	40-140			
Aroclor-1260	2.7	0.78	mg/Kg	3.91	ND	68.4	40-140			
Aroclor-1260 [2C]	2.8	0.78	mg/Kg	3.91	ND	71.8	40-140			
Surrogate: Decachlorobiphenyl	2.52		mg/Kg	3.91		64.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.44		mg/Kg	3.91		62.4	30-150			
Surrogate: Tetrachloro-m-xylene	2.25		mg/Kg	3.91		57.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.36		mg/Kg	3.91		60.3	30-150			

Matrix Spike Dup (B118593-MSD1)

Source: 15D0157-01

Prepared: 04/06/15 Analyzed: 04/09/15

Aroclor-1016	2.3	0.75	mg/Kg	3.76	ND	62.3	40-140	2.47	50	
Aroclor-1016 [2C]	2.2	0.75	mg/Kg	3.76	ND	58.3	40-140	20.0	50	
Aroclor-1260	2.1	0.75	mg/Kg	3.76	ND	56.3	40-140	23.3	50	
Aroclor-1260 [2C]	2.2	0.75	mg/Kg	3.76	ND	59.4	40-140	22.8	50	
Surrogate: Decachlorobiphenyl	2.02		mg/Kg	3.76		53.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.98		mg/Kg	3.76		52.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.71		mg/Kg	3.76		45.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.82		mg/Kg	3.76		48.3	30-150			

Batch B118599 - SW-846 3540C

Blank (B118599-BLK1)

Prepared: 04/06/15 Analyzed: 04/08/15

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	9.02		mg/Kg	10.0		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.37		mg/Kg	10.0		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	9.05		mg/Kg	10.0		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.70		mg/Kg	10.0		87.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118599 - SW-846 3540C

LCS (B118599-BS1)

Prepared: 04/06/15 Analyzed: 04/08/15

Aroclor-1016	2.5	0.50	mg/Kg	2.50		100	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		103	40-140			
Aroclor-1260	2.5	0.50	mg/Kg	2.50		100	40-140			
Aroclor-1260 [2C]	2.6	0.50	mg/Kg	2.50		104	40-140			
Surrogate: Decachlorobiphenyl	8.86		mg/Kg	10.0		88.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.17		mg/Kg	10.0		81.7	30-150			
Surrogate: Tetrachloro-m-xylene	9.21		mg/Kg	10.0		92.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.84		mg/Kg	10.0		88.4	30-150			

LCS Dup (B118599-BSD1)

Prepared: 04/06/15 Analyzed: 04/08/15

Aroclor-1016	2.3	0.50	mg/Kg	2.50		90.3	40-140	10.5	30	
Aroclor-1016 [2C]	2.3	0.50	mg/Kg	2.50		91.0	40-140	12.0	30	
Aroclor-1260	2.2	0.50	mg/Kg	2.50		88.5	40-140	12.2	30	
Aroclor-1260 [2C]	2.3	0.50	mg/Kg	2.50		92.2	40-140	12.1	30	
Surrogate: Decachlorobiphenyl	7.57		mg/Kg	10.0		75.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	7.09		mg/Kg	10.0		70.9	30-150			
Surrogate: Tetrachloro-m-xylene	8.23		mg/Kg	10.0		82.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	7.92		mg/Kg	10.0		79.2	30-150			

Batch B118600 - SW-846 3540C

Blank (B118600-BLK1)

Prepared: 04/06/15 Analyzed: 04/09/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.879		mg/Kg	1.00		87.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.874		mg/Kg	1.00		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.901		mg/Kg	1.00		90.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.917		mg/Kg	1.00		91.7	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B118600 - SW-846 3540C										
LCS (B118600-BS1)										
					Prepared: 04/06/15 Analyzed: 04/09/15					
Aroclor-1016	0.25	0.10	mg/Kg	0.250		98.2	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1260	0.24	0.10	mg/Kg	0.250		95.5	40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		109	40-140			
Surrogate: Decachlorobiphenyl	0.929		mg/Kg	1.00		92.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.927		mg/Kg	1.00		92.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.949		mg/Kg	1.00		94.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.962		mg/Kg	1.00		96.2	30-150			
LCS Dup (B118600-BSD1)										
					Prepared: 04/06/15 Analyzed: 04/09/15					
Aroclor-1016	0.27	0.10	mg/Kg	0.250		108	40-140	9.16	30	
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		105	40-140	1.63	30	
Aroclor-1260	0.23	0.10	mg/Kg	0.250		93.9	40-140	1.62	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		108	40-140	1.49	30	
Surrogate: Decachlorobiphenyl	0.867		mg/Kg	1.00		86.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.862		mg/Kg	1.00		86.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.923		mg/Kg	1.00		92.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.937		mg/Kg	1.00		93.7	30-150			
Matrix Spike (B118600-MS1)										
			Source: 15D0157-13		Prepared: 04/06/15 Analyzed: 04/09/15					
Aroclor-1016	0.18	0.094	mg/Kg	0.235	ND	75.1	40-140			
Aroclor-1016 [2C]	0.14	0.094	mg/Kg	0.235	ND	59.7	40-140			
Aroclor-1260	0.19	0.094	mg/Kg	0.235	ND	79.8	40-140			
Aroclor-1260 [2C]	0.20	0.094	mg/Kg	0.235	ND	85.9	40-140			
Surrogate: Decachlorobiphenyl	0.634		mg/Kg	0.939		67.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.639		mg/Kg	0.939		68.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.698		mg/Kg	0.939		74.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.679		mg/Kg	0.939		72.3	30-150			
Matrix Spike Dup (B118600-MSD1)										
			Source: 15D0157-13		Prepared: 04/06/15 Analyzed: 04/09/15					
Aroclor-1016	0.19	0.097	mg/Kg	0.243	ND	76.9	40-140	5.65	50	
Aroclor-1016 [2C]	0.17	0.097	mg/Kg	0.243	ND	68.2	40-140	16.6	50	
Aroclor-1260	0.19	0.097	mg/Kg	0.243	ND	80.2	40-140	3.77	50	
Aroclor-1260 [2C]	0.18	0.097	mg/Kg	0.243	ND	73.9	40-140	11.7	50	
Surrogate: Decachlorobiphenyl	0.678		mg/Kg	0.971		69.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.712		mg/Kg	0.971		73.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.748		mg/Kg	0.971		77.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.724		mg/Kg	0.971		74.6	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

040115-SMOHI-BA-RROOF-M006

SW-846 8082A

Lab Sample ID: 15D0157-06 Date(s) Analyzed: 04/08/2015 04/08/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	1.0	
	2	0.00	0.00	0.00	1.6	46.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040115-SMOHI-BA-RROOF-M007

Lab Sample ID: 15D0157-07 Date(s) Analyzed: 04/08/2015 04/08/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.88	
	2	0.00	0.00	0.00	1.3	38.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040115-SMOHI-BA-RROOF-M008

Lab Sample ID: 15D0157-08 Date(s) Analyzed: 04/08/2015 04/08/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.50	
	2	0.00	0.00	0.00	0.46	9.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040115-SMOHI-BA-R113-M004

Lab Sample ID: 15D0157-16 Date(s) Analyzed: 04/09/2015 04/09/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.11	
	2	0.00	0.00	0.00	0.14	24.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B118593-BS1 Date(s) Analyzed: 04/08/2015 04/08/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.1	
	2	0.00	0.00	0.00	3.2	2
Aroclor-1260	1	0.00	0.00	0.00	3.4	
	2	0.00	0.00	0.00	3.3	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B118593-BSD1 Date(s) Analyzed: 04/08/2015 04/08/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.4	
	2	0.00	0.00	0.00	3.5	2
Aroclor-1260	1	0.00	0.00	0.00	3.8	
	2	0.00	0.00	0.00	3.8	1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B118593-MS1 Date(s) Analyzed: 04/09/2015 04/09/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.3	
	2	0.00	0.00	0.00	2.7	17
Aroclor-1260	1	0.00	0.00	0.00	2.7	
	2	0.00	0.00	0.00	2.8	4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B118593-MSD1 Date(s) Analyzed: 04/09/2015 04/09/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.3	
	2	0.00	0.00	0.00	2.2	6
Aroclor-1260	1	0.00	0.00	0.00	2.1	
	2	0.00	0.00	0.00	2.2	4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*Lab Sample ID: B118599-BS1 Date(s) Analyzed: 04/08/2015 04/08/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.5	
	2	0.00	0.00	0.00	2.6	4
Aroclor-1260	1	0.00	0.00	0.00	2.5	
	2	0.00	0.00	0.00	2.6	4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B118599-BSD1 Date(s) Analyzed: 04/08/2015 04/08/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.3	
	2	0.00	0.00	0.00	2.3	2
Aroclor-1260	1	0.00	0.00	0.00	2.2	
	2	0.00	0.00	0.00	2.3	4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B118600-BS1 Date(s) Analyzed: 04/09/2015 04/09/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.27	9
Aroclor-1260	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.27	12

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B118600-BSD1 Date(s) Analyzed: 04/09/2015 04/09/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.26	3
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.27	14

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES *SW-846 8082A*

Matrix Spike

Lab Sample ID: B118600-MS1 Date(s) Analyzed: 04/09/2015 04/09/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.14	23
Aroclor-1260	1	0.00	0.00	0.00	0.19	
	2	0.00	0.00	0.00	0.20	7

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- P-01 Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%.
In accordance with the method, the higher result was reported.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

18100 Von Karman Ave., Suite 600
Irvine, CA 92612
(949) 261-5151
(949) 261-6202 (fax)

707 Wilshire Blvd., Suite 4950
Los Angeles, Calif. 90017
(213) 943-6300
(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

15DC157

PROJECT NAME / FACILITY ID: SMO Inspection
PROJECT NUMBER: CH-33980R DATE: 4-2-2015
PROJECT LOCATION: SMO

MSA#: _____ WO#: _____
FIELD PERSON: RB RH RS NS GT SY
PROJECT MANAGER: JASON WILKINSON
LABORATORY: CONTEST

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF + Excel

SAMPLER: <u>PPA</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS
	2015										
SIGNATURE: <u>[Signature]</u>											
SAMPLE I.D. NUMBER											
01 01 Q40115-SMOH1-BA-ROOF-M001		4/1	NA	NA	NA	BULK	1	NA	COLD		
01 02 Q40115-SMOH1-BA-ROOF-M001MS											MS
01 03 Q40115-SMOH1-BA-ROOF-M001MSD											MSD
02 04 Q40115-SMOH1-BA-ROOF-M002											
03 05 Q40115-SMOH1-BA-ROOF-M003											
04 06 Q40115-SMOH1-BA-ROOF-M004											
05 07 Q40115-SMOH1-BA-ROOF-M005											
06 08 Q40115-SMOH1-BA-ROOF-M006											
07 09 Q40115-SMOH1-BA-ROOF-M007											
08 10 Q40115-SMOH1-BA-ROOF-M008											
09 11 Q40115-SMOH1-BA-ROOF-M009											
10 Q40115-SMOH1-BA-ROOF-M010											
11 Q40115-SMOH1-BA-ROOF-M011			✓								
TOTAL		X	X	X			13		✓	✓	

RELINQUISHED BY: <u>[Signature]</u>	TIME/DATE: <u>4/2</u>	RECEIVED BY: <u>[Signature]</u>	TIME/DATE: <u>4.4.15 9:46</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY 24 HOURS 48 HOURS	72 HOURS 5 DAYS <u>NORMAL</u>
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	INTACT: Y N Temp _____	INTACT: Y N	

H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER

<input checked="" type="checkbox"/> 18100 Von Karman Ave., Suite 600 Irvine, CA 92612 (949) 261-5151 (949) 261-6202 (fax)	<input type="checkbox"/> 707 Wilshire Blvd., Suite 4950 Los Angeles, Calif. 90017 (213) 943-6300 (213) 943-6301 (fax)	<input type="checkbox"/> 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)	15DD0157
--	--	---	----------

MSA#: _____ WO#: _____

 PROJECT NAME / FACILITY ID: Smo Instecation

 FIELD PERSON: RB RH RS GT SY NS

 PROJECT NUMBER: 04-33980R DATE: 4-2-2015

 PROJECT MANAGER: JASON WILKINSON

 PROJECT LOCATION: SMA

 LABORATORY: Contest

 IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF + excel

YEAR	SAMPLER:	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED											COMMENTS			
	ROD																							
12	ROD	4/2/15		NA	NA	Bulk	1	NA	cold															
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
TOTAL		X	X	X	↓	↓	13	↓	↓															

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
	4/2	MR	4.4.2 9:46 4/2/15		24 HOURS	5 DAYS
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:		48 HOURS	<u>NORMAL</u>
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
				INTACT: Y N Temp _____	INTACT: Y N	



FedEx Tracking

773232848414

Ship (P/U) date :
Thur 4/02/2015 2:05 pm

Actual delivery :
Fri 4/03/2015 9:46 am

Irvine, CA US



Delivered

EAST LONGMEADOW, MA US

Signed for by: K.MCGEE

Travel History

Date/Time	Activity	Location
4/03/2015 - Friday		
9:46 am	Delivered	EAST LONGMEADOW, MA
8:22 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:15 am	At local FedEx facility	WINDSOR LOCKS, CT
6:16 am	At destination sort facility	EAST GRANBY, CT
4:43 am	Departed FedEx location	INDIANAPOLIS, IN
2:35 am	Arrived at FedEx location	INDIANAPOLIS, IN
4/02/2015 - Thursday		
6:20 pm	Left FedEx origin facility	MARINA DEL REY, CA
2:05 pm	Picked up	SANTA MONICA, CA
3/27/2015 - Friday		
12:08 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773232848414	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x15 in.
Delivered To	Shipping/Receiving	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	Deliver Weekday, Additional Handling Surcharge



Search

Customer Focus
 New Customer Center
 Small Business Center
 Service Guide
 Customer Support

Featured Services
 FedEx One Rate
 FedEx SameDay
 FedEx Home Delivery
 Healthcare Solutions
 Online Retail Solutions
 Packaging Services
 Ancillary Clearance Services

Companies
 FedEx Express
 FedEx Ground
 FedEx Office
 FedEx Freight
 FedEx Custom Critical
 FedEx Trade Networks
 FedEx SupplyChain
 FedEx TechConnect

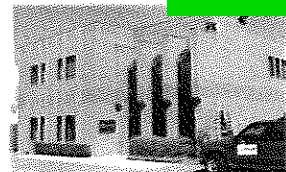
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 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: SMC Inspection RECEIVED BY: MS DATE: 4/3/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No *
- If not, explain:
- 3) Are all the samples in good condition? Yes No
- If not, explain:

4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.4 °C

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>54</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

* Only received 54 jars. Samples not received for pages 4 and 5 of the CoC (B112 samples).

40 mL vials: # HCl _____ # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False)		Comment
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	NA		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	NA		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	F		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA		
21) Samples do not require splitting or compositing.	T		

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials:

Date/Time:

Date/Time:

MS

4/13/15

9:46

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0159

Enclosed are results of analyses for samples received by the laboratory on April 3, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0159

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040115-SMOHI-BA-R113-M009	15D0159-01	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M010	15D0159-02	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M011	15D0159-03	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M012	15D0159-04	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M013	15D0159-05	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M014	15D0159-06	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M015	15D0159-07	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M016	15D0159-08	Product/Solid		SW-846 8082A	
040115-SMOHI-BA-R113-M017	15D0159-09	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:**O-27**

Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

Analyte & Samples(s) Qualified:

15D0159-06[040115-SMOHI-BA-R113-M014]

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:**Aroclor-1254 [2C]**

15D0159-05[040115-SMOHI-BA-R113-M013]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:**Decachlorobiphenyl**

15D0159-06[040115-SMOHI-BA-R113-M014]

Decachlorobiphenyl [2C]

15D0159-06[040115-SMOHI-BA-R113-M014]

Tetrachloro-m-xylene

15D0159-06[040115-SMOHI-BA-R113-M014]

Tetrachloro-m-xylene [2C]

15D0159-06[040115-SMOHI-BA-R113-M014]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0159

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M009

Sampled: 4/1/2015 00:00

Sample ID: 15D0159-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:01	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:01	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:01	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:01	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:01	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:01	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:01	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:01	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:01	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:01	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					4/12/15 17:01	
Decachlorobiphenyl [2]		101	30-150					4/12/15 17:01	
Tetrachloro-m-xylene [1]		101	30-150					4/12/15 17:01	
Tetrachloro-m-xylene [2]		101	30-150					4/12/15 17:01	

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Project Location: SMO

Sample Description:

Work Order: 15D0159

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M010

Sampled: 4/1/2015 00:00

Sample ID: 15D0159-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:14	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:14	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:14	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:14	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:14	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:14	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:14	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:14	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:14	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:14	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.8	30-150					4/12/15 17:14	
Decachlorobiphenyl [2]		79.3	30-150					4/12/15 17:14	
Tetrachloro-m-xylene [1]		82.8	30-150					4/12/15 17:14	
Tetrachloro-m-xylene [2]		79.9	30-150					4/12/15 17:14	

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Project Location: SMO

Sample Description:

Work Order: 15D0159

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M011

Sampled: 4/1/2015 00:00

Sample ID: 15D0159-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:26	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:26	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:26	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:26	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:26	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:26	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:26	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:26	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:26	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:26	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.7	30-150					4/12/15 17:26	
Decachlorobiphenyl [2]		91.6	30-150					4/12/15 17:26	
Tetrachloro-m-xylene [1]		98.9	30-150					4/12/15 17:26	
Tetrachloro-m-xylene [2]		100	30-150					4/12/15 17:26	

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Project Location: SMO

Sample Description:

Work Order: 15D0159

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M012

Sampled: 4/1/2015 00:00

Sample ID: 15D0159-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:38	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:38	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:38	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:38	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:38	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:38	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:38	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:38	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:38	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:38	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.2	30-150					4/12/15 17:38	
Decachlorobiphenyl [2]		85.7	30-150					4/12/15 17:38	
Tetrachloro-m-xylene [1]		82.4	30-150					4/12/15 17:38	
Tetrachloro-m-xylene [2]		81.6	30-150					4/12/15 17:38	

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Project Location: SMO

Sample Description:

Work Order: 15D0159

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M013

Sampled: 4/1/2015 00:00

Sample ID: 15D0159-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:50	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:50	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:50	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:50	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:50	JMB
Aroclor-1254 [2]	0.16	0.095	mg/Kg	1	P-01	SW-846 8082A	4/6/15	4/12/15 17:50	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:50	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:50	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:50	JMB
	0.16		mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 17:50	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		58.4	30-150					4/12/15 17:50	
Decachlorobiphenyl [2]		60.0	30-150					4/12/15 17:50	
Tetrachloro-m-xylene [1]		67.0	30-150					4/12/15 17:50	
Tetrachloro-m-xylene [2]		68.8	30-150					4/12/15 17:50	

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Project Location: SMO

Sample Description:

Work Order: 15D0159

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M014

Sampled: 4/1/2015 00:00

Sample ID: 15D0159-06

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	19	mg/Kg	200		SW-846 8082A	4/6/15	4/19/15 13:02	JMB
Aroclor-1221 [1]	ND	19	mg/Kg	200		SW-846 8082A	4/6/15	4/19/15 13:02	JMB
Aroclor-1232 [1]	ND	19	mg/Kg	200		SW-846 8082A	4/6/15	4/19/15 13:02	JMB
Aroclor-1242 [1]	ND	19	mg/Kg	200		SW-846 8082A	4/6/15	4/19/15 13:02	JMB
Aroclor-1248 [1]	ND	19	mg/Kg	200		SW-846 8082A	4/6/15	4/19/15 13:02	JMB
Aroclor-1254 [1]	ND	19	mg/Kg	200		SW-846 8082A	4/6/15	4/19/15 13:02	JMB
Aroclor-1260 [1]	ND	19	mg/Kg	200		SW-846 8082A	4/6/15	4/19/15 13:02	JMB
Aroclor-1262 [1]	ND	19	mg/Kg	200		SW-846 8082A	4/6/15	4/19/15 13:02	JMB
Aroclor-1268 [1]	ND	19	mg/Kg	200		SW-846 8082A	4/6/15	4/19/15 13:02	JMB
	0.0		mg/Kg	200		SW-846 8082A	4/6/15	4/19/15 13:02	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			4/19/15 13:02	
Decachlorobiphenyl [2]		*	30-150		S-01			4/19/15 13:02	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/19/15 13:02	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/19/15 13:02	

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Project Location: SMO

Sample Description:

Work Order: 15D0159

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M015

Sampled: 4/1/2015 00:00

Sample ID: 15D0159-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	4/6/15	4/19/15 13:15	JMB
Aroclor-1221 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	4/6/15	4/19/15 13:15	JMB
Aroclor-1232 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	4/6/15	4/19/15 13:15	JMB
Aroclor-1242 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	4/6/15	4/19/15 13:15	JMB
Aroclor-1248 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	4/6/15	4/19/15 13:15	JMB
Aroclor-1254 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	4/6/15	4/19/15 13:15	JMB
Aroclor-1260 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	4/6/15	4/19/15 13:15	JMB
Aroclor-1262 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	4/6/15	4/19/15 13:15	JMB
Aroclor-1268 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	4/6/15	4/19/15 13:15	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/6/15	4/19/15 13:15	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		42.1	30-150					4/19/15 13:15	
Decachlorobiphenyl [2]		42.5	30-150					4/19/15 13:15	
Tetrachloro-m-xylene [1]		31.0	30-150					4/19/15 13:15	
Tetrachloro-m-xylene [2]		33.6	30-150					4/19/15 13:15	

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Project Location: SMO

Sample Description:

Work Order: 15D0159

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M016

Sampled: 4/1/2015 00:00

Sample ID: 15D0159-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:27	JMB
Aroclor-1221 [2]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:27	JMB
Aroclor-1232 [2]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:27	JMB
Aroclor-1242 [2]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:27	JMB
Aroclor-1248 [2]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:27	JMB
Aroclor-1254 [2]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:27	JMB
Aroclor-1260 [2]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:27	JMB
Aroclor-1262 [2]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:27	JMB
Aroclor-1268 [2]	ND	0.091	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:27	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:27	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.3	30-150					4/12/15 18:27	
Decachlorobiphenyl [2]		75.9	30-150					4/12/15 18:27	
Tetrachloro-m-xylene [1]		82.6	30-150					4/12/15 18:27	
Tetrachloro-m-xylene [2]		83.2	30-150					4/12/15 18:27	

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Project Location: SMO

Sample Description:

Work Order: 15D0159

Date Received: 4/3/2015

Field Sample #: 040115-SMOHI-BA-R113-M017

Sampled: 4/1/2015 00:00

Sample ID: 15D0159-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:39	JMB
Aroclor-1221 [2]	ND	0.20	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:39	JMB
Aroclor-1232 [2]	ND	0.20	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:39	JMB
Aroclor-1242 [2]	ND	0.20	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:39	JMB
Aroclor-1248 [2]	ND	0.20	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:39	JMB
Aroclor-1254 [2]	ND	0.20	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:39	JMB
Aroclor-1260 [2]	ND	0.20	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:39	JMB
Aroclor-1262 [2]	ND	0.20	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:39	JMB
Aroclor-1268 [2]	ND	0.20	mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:39	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/6/15	4/12/15 18:39	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.6	30-150					4/12/15 18:39	
Decachlorobiphenyl [2]		78.5	30-150					4/12/15 18:39	
Tetrachloro-m-xylene [1]		85.4	30-150					4/12/15 18:39	
Tetrachloro-m-xylene [2]		87.3	30-150					4/12/15 18:39	

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Sample Extraction Data**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0159-01 [040115-SMOHI-BA-R113-M009]	B118671	2.05	10.0	04/06/15
15D0159-02 [040115-SMOHI-BA-R113-M010]	B118671	2.15	10.0	04/06/15
15D0159-03 [040115-SMOHI-BA-R113-M011]	B118671	2.04	10.0	04/06/15
15D0159-04 [040115-SMOHI-BA-R113-M012]	B118671	2.07	10.0	04/06/15
15D0159-05 [040115-SMOHI-BA-R113-M013]	B118671	2.10	10.0	04/06/15
15D0159-06 [040115-SMOHI-BA-R113-M014]	B118671	2.12	10.0	04/06/15
15D0159-07 [040115-SMOHI-BA-R113-M015]	B118671	2.13	10.0	04/06/15
15D0159-08 [040115-SMOHI-BA-R113-M016]	B118671	2.19	10.0	04/06/15
15D0159-09 [040115-SMOHI-BA-R113-M017]	B118671	1.00	10.0	04/06/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118671 - SW-846 3540C

Blank (B118671-BLK1)

Prepared: 04/06/15 Analyzed: 04/12/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.982		mg/Kg	1.00		98.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.898		mg/Kg	1.00		89.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.919		mg/Kg	1.00		91.9	30-150			

LCS (B118671-BS1)

Prepared: 04/06/15 Analyzed: 04/12/15

Aroclor-1016	0.27	0.10	mg/Kg	0.250		109	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1260	0.28	0.10	mg/Kg	0.250		112	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140			
Surrogate: Decachlorobiphenyl	1.09		mg/Kg	1.00		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.892		mg/Kg	1.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.913		mg/Kg	1.00		91.3	30-150			

LCS Dup (B118671-BSD1)

Prepared: 04/06/15 Analyzed: 04/12/15

Aroclor-1016	0.26	0.10	mg/Kg	0.250		106	40-140	3.31	30	
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		103	40-140	2.95	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		110	40-140	1.55	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140	1.63	30	
Surrogate: Decachlorobiphenyl	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.966		mg/Kg	1.00		96.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.845		mg/Kg	1.00		84.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.865		mg/Kg	1.00		86.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B118671 - SW-846 3540C

Matrix Spike (B118671-MS1)

Source: 15D0159-09

Prepared: 04/06/15 Analyzed: 04/12/15

Aroclor-1016	0.49	0.20	mg/Kg	0.500	ND	97.5	40-140			
Aroclor-1016 [2C]	0.40	0.20	mg/Kg	0.500	ND	79.9	40-140			
Aroclor-1260	0.44	0.20	mg/Kg	0.500	ND	88.7	40-140			
Aroclor-1260 [2C]	0.38	0.20	mg/Kg	0.500	ND	75.1	40-140			
Surrogate: Decachlorobiphenyl	1.55		mg/Kg	2.00		77.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.45		mg/Kg	2.00		72.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.57		mg/Kg	2.00		78.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.61		mg/Kg	2.00		80.6	30-150			

Matrix Spike Dup (B118671-MSD1)

Source: 15D0159-09

Prepared: 04/06/15 Analyzed: 04/12/15

Aroclor-1016	0.42	0.20	mg/Kg	0.500	ND	84.0	40-140	14.9	50	
Aroclor-1016 [2C]	0.47	0.20	mg/Kg	0.500	ND	94.7	40-140	16.9	50	
Aroclor-1260	0.61	0.20	mg/Kg	0.500	ND	122	40-140	31.3	50	
Aroclor-1260 [2C]	0.40	0.20	mg/Kg	0.500	ND	79.8	40-140	6.15	50	
Surrogate: Decachlorobiphenyl	1.73		mg/Kg	2.00		86.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.66		mg/Kg	2.00		83.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.67		mg/Kg	2.00		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.71		mg/Kg	2.00		85.5	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

040115-SMOHI-BA-R113-M013

SW-846 8082A

Lab Sample ID: 15D0159-05 Date(s) Analyzed: 04/12/2015 04/12/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.098	
	2	0.00	0.00	0.00	0.16	48.2

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B118671-BS1 Date(s) Analyzed: 04/12/2015 04/12/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.27	1
Aroclor-1260	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.28	0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B118671-MSD1 Date(s) Analyzed: 04/12/2015 04/12/2015
Instrument ID (1): _____ Instrument ID (2): _____
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.42	
	2	0.00	0.00	0.00	0.47	11
Aroclor-1260	1	0.00	0.00	0.00	0.61	
	2	0.00	0.00	0.00	0.40	41

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- O-27 Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.
 - P-01 Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
 - S-01 The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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Irvine, CA 92612
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(949) 261-6202 (fax)

707 Wilshire Blvd., Suite 4950
Los Angeles, Calif. 90017
(213) 943-6300
(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

PROJECT NAME / FACILITY ID: Smo Instection
PROJECT NUMBER: 04-33980 R DATE: 4-2-2015
PROJECT LOCATION: SMO
IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF + excel

MSA#: _____ WO#: _____
FIELD PERSON: RB RH RS GT SY NS
PROJECT MANAGER: Jason Wilkerson
LABORATORY: Contest

SAMPLER: <u>Rod</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (0) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS					
SIGNATURE: _____										<u>RB 8082</u> <u>W/SOX EXTRACTION</u>						
SAMPLE I.D. NUMBER																
<u>040115-SMOH1-BA-RROOF-M012</u>	<u>15</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>Bulk</u>	<u>1</u>	<u>NA</u>	<u>cold</u>							
<u>040115-SMOH1-CA-R113-M001</u>																
" -M002																
-M003																
-M004																
-M005																
-M006																
-M007																
-M008																
-M009																
-M010																
-M011																
-M012																
TOTAL		<u>X</u>	<u>X</u>	<u>X</u>			<u>13</u>									

01
02
03
04

RELINQUISHED BY: _____ TIME/DATE: <u>4/2</u>	RECEIVED BY: _____ TIME/DATE: <u>4/2 9:46</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: _____		24 HOURS	5 DAYS
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: _____	SAMPLE INTEGRITY	48 HOURS	<u>NORMAL</u>
		INTACT: Y N Temp _____		IF SEALED, SEAL INTEGRITY
				INTACT: Y N

H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER

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 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

15110159

PROJECT NAME / FACILITY ID: SMO Inspection
 PROJECT NUMBER: 04-33980-R DATE: 4-2-2015
 PROJECT LOCATION: SMO
 IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: PDF + Excel

MSA#: _____ WO#: _____
 FIELD PERSON: RB, RA, RS, GT, SY, DS
 PROJECT MANAGER: Jason Wilkenson
 LABORATORY: Contest

SAMPLER: <u>Red Box</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS
05		04/01/15	NA	NA	NA	Soil	1	NA	CON		
06							1				
07							1				
08							1				
09							1				
09							1				MS
09							1				MSD
TOTAL		X	X	X			7				

RELINQUISHED BY: <u>[Signature]</u> TIME/DATE: <u>4/2</u>	RECEIVED BY: <u>[Signature]</u> TIME/DATE: <u>4/2/15 9:46</u>	TURNAROUND TIME (CIRCLE ONE)	72 HOURS 5 DAYS <u>NORMAL</u>
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: _____	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: _____	INTACT: Y N Temp _____	INTACT: Y N

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H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER

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FedEx Tracking

773232848414Ship (P/U) date :
Thur 4/02/2015 2:05 pm

Irvine, CA US

**Delivered**

Signed for by: K.MCGEE

Actual delivery :
Fri 4/03/2015 9:46 am

EAST LONGMEADOW, MA US

Travel History

▲ Date/Time	Activity	Location
- 4/03/2015 - Friday		
9:46 am	Delivered	EAST LONGMEADOW, MA
8:22 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:15 am	At local FedEx facility	WINDSOR LOCKS, CT
6:16 am	At destination sort facility	EAST GRANBY, CT
4:43 am	Departed FedEx location	INDIANAPOLIS, IN
2:35 am	Arrived at FedEx location	INDIANAPOLIS, IN
- 4/02/2015 - Thursday		
6:20 pm	Left FedEx origin facility	MARINA DEL REY, CA
2:05 pm	Picked up Tendered at FedEx Office	SANTA MONICA, CA
- 3/27/2015 - Friday		
12:08 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773232848414	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x15 in.
Delivered To	Shipping/Receiving	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	Deliver Weekday, Additional Handling Surcharge



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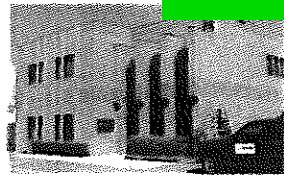
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Sample Receipt Checklist

CLIENT NAME: SMC Inspection RECEIVED BY: MS DATE: 9/3/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No *
 If not, explain:
- 3) Are all the samples in good condition? Yes No
 If not, explain:

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A
 Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.4 °C

5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	54
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:
 * Only received 54 jars. Samples not received for pages 4 and 5 of the CoC (B112 samples).

40 mL vials: # HCl _____ # Methanol _____
 Doc# 277 # Bisulfate _____ # DI Water _____
 Rev. 4 August 2013 # Thiosulfate _____ Unpreserved _____
 Time and Date Frozen: _____

Login Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	F	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013 Who notified of False statements?
 Log-In Technician Initials:

Date/Time:
 Date/Time:

MS 4/13/15 9:46

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0160

Enclosed are results of analyses for samples received by the laboratory on April 3, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0160

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040215-SMOHI-BA-WOMEN-M00 1	15D0160-01	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-WOMEN-M00 2	15D0160-02	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-WOMEN-M00 3	15D0160-03	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-WOMEN-M00 4	15D0160-04	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-WOMEN-M00 5	15D0160-05	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-WOMEN-M00 6	15D0160-06	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-WOMEN-M00 7	15D0160-07	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-WOMEN-M00 8	15D0160-08	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-WOMEN-M00 9	15D0160-09	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M00 1	15D0160-10	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M00 2	15D0160-11	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M00 3	15D0160-12	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M00 4	15D0160-13	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M00 5	15D0160-14	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M00 6	15D0160-15	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M00 7	15D0160-16	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M00 8	15D0160-17	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M00 9	15D0160-18	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M01 0	15D0160-19	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M01 1	15D0160-20	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-RMENS-M01 2	15D0160-21	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

REVISED REPORT 05-11-2015: Report revised to update sample IDs for 15D0160-01 through 15D0160-09 per client request.

REVISED REPORT 05-01-2015: Report revised to update sample IDs per client request.

SW-846 8082A**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

15D0160-08[040215-SMOHI-BA-WOMEN-M008], 15D0160-09[040215-SMOHI-BA-WOMEN-M009], 15D0160-20[040215-SMOHI-BA-RMENS-M011],
15D0160-21[040215-SMOHI-BA-RMENS-M012]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Aroclor-1260 [2C]**

B118703-BLK1, B118703-BS1, B118703-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-WOMEN-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 18:56	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 18:56	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 18:56	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 18:56	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 18:56	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 18:56	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 18:56	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 18:56	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 18:56	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 18:56	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.2	30-150					4/14/15 18:56	
Decachlorobiphenyl [2]		69.8	30-150					4/14/15 18:56	
Tetrachloro-m-xylene [1]		87.0	30-150					4/14/15 18:56	
Tetrachloro-m-xylene [2]		85.0	30-150					4/14/15 18:56	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-WOMEN-M002

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:09	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:09	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:09	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:09	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:09	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:09	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:09	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:09	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:09	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:09	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.2	30-150					4/14/15 19:09	
Decachlorobiphenyl [2]		71.3	30-150					4/14/15 19:09	
Tetrachloro-m-xylene [1]		86.5	30-150					4/14/15 19:09	
Tetrachloro-m-xylene [2]		84.6	30-150					4/14/15 19:09	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-WOMEN-M003

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:21	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:21	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:21	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:21	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:21	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:21	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:21	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:21	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:21	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:21	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	85.9	30-150						4/14/15 19:21	
Decachlorobiphenyl [2]	78.1	30-150						4/14/15 19:21	
Tetrachloro-m-xylene [1]	87.0	30-150						4/14/15 19:21	
Tetrachloro-m-xylene [2]	85.4	30-150						4/14/15 19:21	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-WOMEN-M004

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:34	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:34	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:34	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:34	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:34	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:34	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:34	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:34	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:34	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.6	30-150					4/14/15 19:34	
Decachlorobiphenyl [2]		76.6	30-150					4/14/15 19:34	
Tetrachloro-m-xylene [1]		84.4	30-150					4/14/15 19:34	
Tetrachloro-m-xylene [2]		83.7	30-150					4/14/15 19:34	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-WOMEN-M005

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:47	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:47	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:47	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:47	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:47	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:47	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:47	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:47	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:47	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 19:47	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.3	30-150					4/14/15 19:47	
Decachlorobiphenyl [2]		77.2	30-150					4/14/15 19:47	
Tetrachloro-m-xylene [1]		89.0	30-150					4/14/15 19:47	
Tetrachloro-m-xylene [2]		88.7	30-150					4/14/15 19:47	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-WOMEN-M006

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:20	PJG
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:20	PJG
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:20	PJG
Aroclor-1242 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:20	PJG
Aroclor-1248 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:20	PJG
Aroclor-1254 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:20	PJG
Aroclor-1260 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:20	PJG
Aroclor-1262 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:20	PJG
Aroclor-1268 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:20	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:20	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.7	30-150					4/15/15 19:20	
Decachlorobiphenyl [2]		88.6	30-150					4/15/15 19:20	
Tetrachloro-m-xylene [1]		89.8	30-150					4/15/15 19:20	
Tetrachloro-m-xylene [2]		83.8	30-150					4/15/15 19:20	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-WOMEN-M007

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:33	PJG
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:33	PJG
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:33	PJG
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:33	PJG
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:33	PJG
Aroclor-1254 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:33	PJG
Aroclor-1260 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:33	PJG
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:33	PJG
Aroclor-1268 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:33	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:33	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.9	30-150					4/15/15 19:33	
Decachlorobiphenyl [2]		91.3	30-150					4/15/15 19:33	
Tetrachloro-m-xylene [1]		89.7	30-150					4/15/15 19:33	
Tetrachloro-m-xylene [2]		85.7	30-150					4/15/15 19:33	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-WOMEN-M008

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-08

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:46	PJG
Aroclor-1221 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:46	PJG
Aroclor-1232 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:46	PJG
Aroclor-1242 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:46	PJG
Aroclor-1248 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:46	PJG
Aroclor-1254 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:46	PJG
Aroclor-1260 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:46	PJG
Aroclor-1262 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:46	PJG
Aroclor-1268 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:46	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:46	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		110	30-150					4/15/15 19:46	
Decachlorobiphenyl [2]		105	30-150					4/15/15 19:46	
Tetrachloro-m-xylene [1]		77.6	30-150					4/15/15 19:46	
Tetrachloro-m-xylene [2]		78.2	30-150					4/15/15 19:46	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-WOMEN-M009

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-09

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:59	PJG
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:59	PJG
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:59	PJG
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:59	PJG
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:59	PJG
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:59	PJG
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:59	PJG
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:59	PJG
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:59	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 19:59	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.8	30-150					4/15/15 19:59	
Decachlorobiphenyl [2]		91.5	30-150					4/15/15 19:59	
Tetrachloro-m-xylene [1]		96.1	30-150					4/15/15 19:59	
Tetrachloro-m-xylene [2]		95.0	30-150					4/15/15 19:59	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:14	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:14	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:14	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:14	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:14	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:14	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:14	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:14	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:14	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:14	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	76.1	30-150						4/16/15 22:14	
Decachlorobiphenyl [2]	81.4	30-150						4/16/15 22:14	
Tetrachloro-m-xylene [1]	81.8	30-150						4/16/15 22:14	
Tetrachloro-m-xylene [2]	90.0	30-150						4/16/15 22:14	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M002

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 20:13	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 20:13	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 20:13	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 20:13	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 20:13	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 20:13	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 20:13	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 20:13	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 20:13	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 20:13	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.2	30-150					4/14/15 20:13	
Decachlorobiphenyl [2]		72.0	30-150					4/14/15 20:13	
Tetrachloro-m-xylene [1]		92.4	30-150					4/14/15 20:13	
Tetrachloro-m-xylene [2]		92.5	30-150					4/14/15 20:13	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M003

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:04	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:04	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:04	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:04	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:04	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:04	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:04	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:04	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:04	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:04	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		60.1	30-150					4/14/15 21:04	
Decachlorobiphenyl [2]		54.7	30-150					4/14/15 21:04	
Tetrachloro-m-xylene [1]		66.1	30-150					4/14/15 21:04	
Tetrachloro-m-xylene [2]		66.3	30-150					4/14/15 21:04	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M004

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:17	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:17	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:17	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:17	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:17	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:17	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:17	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:17	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:17	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.4	30-150					4/14/15 21:17	
Decachlorobiphenyl [2]		70.0	30-150					4/14/15 21:17	
Tetrachloro-m-xylene [1]		81.8	30-150					4/14/15 21:17	
Tetrachloro-m-xylene [2]		82.4	30-150					4/14/15 21:17	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M005

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:30	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:30	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:30	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:30	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:30	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:30	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:30	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:30	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:30	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:30	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.6	30-150					4/14/15 21:30	
Decachlorobiphenyl [2]		77.5	30-150					4/14/15 21:30	
Tetrachloro-m-xylene [1]		85.9	30-150					4/14/15 21:30	
Tetrachloro-m-xylene [2]		86.2	30-150					4/14/15 21:30	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M006

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:43	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:43	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:43	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:43	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:43	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:43	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:43	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:43	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:43	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:43	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.1	30-150					4/14/15 21:43	
Decachlorobiphenyl [2]		70.0	30-150					4/14/15 21:43	
Tetrachloro-m-xylene [1]		81.7	30-150					4/14/15 21:43	
Tetrachloro-m-xylene [2]		82.5	30-150					4/14/15 21:43	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M007

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:56	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:56	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:56	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:56	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:56	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:56	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:56	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:56	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:56	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 21:56	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.9	30-150					4/14/15 21:56	
Decachlorobiphenyl [2]		77.8	30-150					4/14/15 21:56	
Tetrachloro-m-xylene [1]		87.3	30-150					4/14/15 21:56	
Tetrachloro-m-xylene [2]		88.1	30-150					4/14/15 21:56	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M008

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:09	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:09	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:09	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:09	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:09	JMB
Aroclor-1254 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:09	JMB
Aroclor-1260 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:09	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:09	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:09	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:09	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.5	30-150					4/14/15 22:09	
Decachlorobiphenyl [2]		84.0	30-150					4/14/15 22:09	
Tetrachloro-m-xylene [1]		88.1	30-150					4/14/15 22:09	
Tetrachloro-m-xylene [2]		89.2	30-150					4/14/15 22:09	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M009

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:22	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:22	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:22	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:22	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:22	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:22	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:22	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:22	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:22	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:22	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.9	30-150					4/14/15 22:22	
Decachlorobiphenyl [2]		74.7	30-150					4/14/15 22:22	
Tetrachloro-m-xylene [1]		80.7	30-150					4/14/15 22:22	
Tetrachloro-m-xylene [2]		81.8	30-150					4/14/15 22:22	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M010

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:35	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:35	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:35	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:35	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:35	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:35	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:35	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:35	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:35	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 22:35	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.8	30-150					4/14/15 22:35	
Decachlorobiphenyl [2]		83.6	30-150					4/14/15 22:35	
Tetrachloro-m-xylene [1]		85.7	30-150					4/14/15 22:35	
Tetrachloro-m-xylene [2]		87.0	30-150					4/14/15 22:35	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M011

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-20

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:12	PJG
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:12	PJG
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:12	PJG
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:12	PJG
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:12	PJG
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:12	PJG
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:12	PJG
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:12	PJG
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:12	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:12	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.1	30-150					4/15/15 20:12	
Decachlorobiphenyl [2]		67.2	30-150					4/15/15 20:12	
Tetrachloro-m-xylene [1]		71.9	30-150					4/15/15 20:12	
Tetrachloro-m-xylene [2]		71.6	30-150					4/15/15 20:12	

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Project Location: SMO

Sample Description:

Work Order: 15D0160

Date Received: 4/3/2015

Field Sample #: 040215-SMOHI-BA-RMENS-M012

Sampled: 4/2/2015 00:00

Sample ID: 15D0160-21

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:25	PJG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:25	PJG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:25	PJG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:25	PJG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:25	PJG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:25	PJG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:25	PJG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:25	PJG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:25	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/7/15	4/15/15 20:25	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.7	30-150					4/15/15 20:25	
Decachlorobiphenyl [2]		78.3	30-150					4/15/15 20:25	
Tetrachloro-m-xylene [1]		79.8	30-150					4/15/15 20:25	
Tetrachloro-m-xylene [2]		78.3	30-150					4/15/15 20:25	

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0160-08 [040215-SMOHI-BA-WOMEN-M008]	B118705	0.532	10.0	04/07/15
15D0160-09 [040215-SMOHI-BA-WOMEN-M009]	B118705	0.537	10.0	04/07/15
15D0160-20 [040215-SMOHI-BA-RMENS-M011]	B118705	0.526	10.0	04/07/15
15D0160-21 [040215-SMOHI-BA-RMENS-M012]	B118705	0.506	10.0	04/07/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0160-06 [040215-SMOHI-BA-WOMEN-M006]	B118704	0.220	10.0	04/07/15
15D0160-07 [040215-SMOHI-BA-WOMEN-M007]	B118704	0.231	10.0	04/07/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0160-01 [040215-SMOHI-BA-WOMEN-M001]	B118703	2.22	10.0	04/07/15
15D0160-02 [040215-SMOHI-BA-WOMEN-M002]	B118703	2.06	10.0	04/07/15
15D0160-03 [040215-SMOHI-BA-WOMEN-M003]	B118703	2.17	10.0	04/07/15
15D0160-04 [040215-SMOHI-BA-WOMEN-M004]	B118703	2.07	10.0	04/07/15
15D0160-05 [040215-SMOHI-BA-WOMEN-M005]	B118703	2.07	10.0	04/07/15
15D0160-11 [040215-SMOHI-BA-RMENS-M002]	B118703	2.17	10.0	04/07/15
15D0160-12 [040215-SMOHI-BA-RMENS-M003]	B118703	2.26	10.0	04/07/15
15D0160-13 [040215-SMOHI-BA-RMENS-M004]	B118703	2.10	10.0	04/07/15
15D0160-14 [040215-SMOHI-BA-RMENS-M005]	B118703	2.10	10.0	04/07/15
15D0160-15 [040215-SMOHI-BA-RMENS-M006]	B118703	2.09	10.0	04/07/15
15D0160-16 [040215-SMOHI-BA-RMENS-M007]	B118703	2.07	10.0	04/07/15
15D0160-17 [040215-SMOHI-BA-RMENS-M008]	B118703	2.24	10.0	04/07/15
15D0160-18 [040215-SMOHI-BA-RMENS-M009]	B118703	2.29	10.0	04/07/15
15D0160-19 [040215-SMOHI-BA-RMENS-M010]	B118703	2.20	10.0	04/07/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0160-10RE1 [040215-SMOHI-BA-RMENS-M001]	B119350	2.28	10.0	04/15/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B118703 - SW-846 3540C										
Blank (B118703-BLK1)										
Prepared: 04/07/15 Analyzed: 04/14/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							V-05
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.838		mg/Kg	1.00		83.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.754		mg/Kg	1.00		75.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.891		mg/Kg	1.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.854		mg/Kg	1.00		85.4	30-150			
LCS (B118703-BS1)										
Prepared: 04/07/15 Analyzed: 04/14/15										
Aroclor-1016	0.24	0.10	mg/Kg	0.250		95.0	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg	0.250		87.3	40-140			
Aroclor-1260	0.24	0.10	mg/Kg	0.250		94.6	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg	0.250		81.0	40-140			V-05
Surrogate: Decachlorobiphenyl	0.849		mg/Kg	1.00		84.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.770		mg/Kg	1.00		77.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.901		mg/Kg	1.00		90.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.869		mg/Kg	1.00		86.9	30-150			
LCS Dup (B118703-BSD1)										
Prepared: 04/07/15 Analyzed: 04/14/15										
Aroclor-1016	0.25	0.10	mg/Kg	0.250		98.6	40-140	3.75	30	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		91.2	40-140	4.40	30	
Aroclor-1260	0.25	0.10	mg/Kg	0.250		100	40-140	5.80	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg	0.250		85.9	40-140	5.97	30	V-05
Surrogate: Decachlorobiphenyl	0.881		mg/Kg	1.00		88.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.800		mg/Kg	1.00		80.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.937		mg/Kg	1.00		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.908		mg/Kg	1.00		90.8	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118703 - SW-846 3540C

Matrix Spike (B118703-MS1)

Source: 15D0160-01

Prepared: 04/07/15 Analyzed: 04/14/15

Aroclor-1016	0.19	0.093	mg/Kg	0.234	ND	81.2	40-140			
Aroclor-1016 [2C]	0.18	0.093	mg/Kg	0.234	ND	78.8	40-140			
Aroclor-1260	0.18	0.093	mg/Kg	0.234	ND	77.4	40-140			
Aroclor-1260 [2C]	0.16	0.093	mg/Kg	0.234	ND	68.1	40-140			
Surrogate: Decachlorobiphenyl	0.736		mg/Kg	0.935		78.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.677		mg/Kg	0.935		72.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.794		mg/Kg	0.935		85.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.812		mg/Kg	0.935		86.8	30-150			

Matrix Spike Dup (B118703-MSD1)

Source: 15D0160-01

Prepared: 04/07/15 Analyzed: 04/14/15

Aroclor-1016	0.20	0.098	mg/Kg	0.245	ND	80.3	40-140	3.60	50	
Aroclor-1016 [2C]	0.19	0.098	mg/Kg	0.245	ND	76.3	40-140	1.55	50	
Aroclor-1260	0.18	0.098	mg/Kg	0.245	ND	73.6	40-140	0.291	50	
Aroclor-1260 [2C]	0.16	0.098	mg/Kg	0.245	ND	64.4	40-140	0.779	50	
Surrogate: Decachlorobiphenyl	0.762		mg/Kg	0.980		77.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.700		mg/Kg	0.980		71.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.829		mg/Kg	0.980		84.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.850		mg/Kg	0.980		86.7	30-150			

Batch B118704 - SW-846 3540C

Blank (B118704-BLK1)

Prepared: 04/07/15 Analyzed: 04/15/15

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	9.64		mg/Kg	10.0		96.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.18		mg/Kg	10.0		81.8	30-150			
Surrogate: Tetrachloro-m-xylene	8.72		mg/Kg	10.0		87.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	7.78		mg/Kg	10.0		77.8	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118704 - SW-846 3540C

LCS (B118704-BS1)

Prepared: 04/07/15 Analyzed: 04/15/15

Aroclor-1016	2.4	0.50	mg/Kg	2.50		95.8	40-140			
Aroclor-1016 [2C]	2.3	0.50	mg/Kg	2.50		93.5	40-140			
Aroclor-1260	2.7	0.50	mg/Kg	2.50		109	40-140			
Aroclor-1260 [2C]	2.8	0.50	mg/Kg	2.50		113	40-140			
Surrogate: Decachlorobiphenyl	9.92		mg/Kg	10.0		99.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.45		mg/Kg	10.0		84.5	30-150			
Surrogate: Tetrachloro-m-xylene	8.92		mg/Kg	10.0		89.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	7.98		mg/Kg	10.0		79.8	30-150			

LCS Dup (B118704-BSD1)

Prepared: 04/07/15 Analyzed: 04/15/15

Aroclor-1016	2.3	0.50	mg/Kg	2.50		92.1	40-140	3.85	30	
Aroclor-1016 [2C]	2.2	0.50	mg/Kg	2.50		87.1	40-140	7.01	30	
Aroclor-1260	2.6	0.50	mg/Kg	2.50		104	40-140	4.73	30	
Aroclor-1260 [2C]	2.6	0.50	mg/Kg	2.50		105	40-140	7.22	30	
Surrogate: Decachlorobiphenyl	9.30		mg/Kg	10.0		93.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	7.98		mg/Kg	10.0		79.8	30-150			
Surrogate: Tetrachloro-m-xylene	8.55		mg/Kg	10.0		85.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	7.82		mg/Kg	10.0		78.2	30-150			

Batch B118705 - SW-846 3540C

Blank (B118705-BLK1)

Prepared: 04/07/15 Analyzed: 04/15/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	4.02		mg/Kg	4.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.39		mg/Kg	4.00		84.6	30-150			
Surrogate: Tetrachloro-m-xylene	3.50		mg/Kg	4.00		87.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.12		mg/Kg	4.00		77.9	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118705 - SW-846 3540C

LCS (B118705-BS1)

Prepared: 04/07/15 Analyzed: 04/15/15

Aroclor-1016	3.2	0.20	mg/Kg	4.00		80.6	40-140			
Aroclor-1016 [2C]	3.2	0.20	mg/Kg	4.00		80.1	40-140			
Aroclor-1260	3.7	0.20	mg/Kg	4.00		91.9	40-140			
Aroclor-1260 [2C]	3.6	0.20	mg/Kg	4.00		89.6	40-140			
Surrogate: Decachlorobiphenyl	3.67		mg/Kg	4.00		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.19		mg/Kg	4.00		79.8	30-150			
Surrogate: Tetrachloro-m-xylene	3.31		mg/Kg	4.00		82.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.99		mg/Kg	4.00		74.9	30-150			

LCS Dup (B118705-BSD1)

Prepared: 04/07/15 Analyzed: 04/15/15

Aroclor-1016	3.4	0.20	mg/Kg	4.00		84.1	40-140	4.30	30	
Aroclor-1016 [2C]	3.4	0.20	mg/Kg	4.00		84.1	40-140	4.89	30	
Aroclor-1260	3.8	0.20	mg/Kg	4.00		94.5	40-140	2.83	30	
Aroclor-1260 [2C]	3.7	0.20	mg/Kg	4.00		91.7	40-140	2.35	30	
Surrogate: Decachlorobiphenyl	3.75		mg/Kg	4.00		93.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.25		mg/Kg	4.00		81.2	30-150			
Surrogate: Tetrachloro-m-xylene	3.50		mg/Kg	4.00		87.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.16		mg/Kg	4.00		79.0	30-150			

Batch B119350 - SW-846 3540C

Blank (B119350-BLK1)

Prepared: 04/15/15 Analyzed: 04/16/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.457		mg/Kg	1.00		45.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.474		mg/Kg	1.00		47.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.588		mg/Kg	1.00		58.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.662		mg/Kg	1.00		66.2	30-150			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B119350 - SW-846 3540C

LCS (B119350-BS1)

Prepared: 04/15/15 Analyzed: 04/16/15

Aroclor-1016	0.17	0.10	mg/Kg	0.250		69.9	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg	0.250		71.2	40-140			
Aroclor-1260	0.16	0.10	mg/Kg	0.250		63.1	40-140			
Aroclor-1260 [2C]	0.17	0.10	mg/Kg	0.250		69.2	40-140			
Surrogate: Decachlorobiphenyl	0.592		mg/Kg	1.00		59.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.634		mg/Kg	1.00		63.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.694		mg/Kg	1.00		69.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.762		mg/Kg	1.00		76.2	30-150			

LCS Dup (B119350-BSD1)

Prepared: 04/15/15 Analyzed: 04/16/15

Aroclor-1016	0.18	0.10	mg/Kg	0.250		71.7	40-140	2.52	30	
Aroclor-1016 [2C]	0.18	0.10	mg/Kg	0.250		73.8	40-140	3.54	30	
Aroclor-1260	0.17	0.10	mg/Kg	0.250		66.7	40-140	5.47	30	
Aroclor-1260 [2C]	0.18	0.10	mg/Kg	0.250		72.8	40-140	4.96	30	
Surrogate: Decachlorobiphenyl	0.614		mg/Kg	1.00		61.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.640		mg/Kg	1.00		64.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.680		mg/Kg	1.00		68.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.753		mg/Kg	1.00		75.3	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B118703-BS1 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.22	7
Aroclor-1260	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.20	17

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B118703-BSD1 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.23	7
Aroclor-1260	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.21	18

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike

Lab Sample ID: B118703-MS1 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.19	
	2	0.00	0.00	0.00	0.18	5
Aroclor-1260	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.16	12

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B118703-MSD1 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.19	4
Aroclor-1260	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.16	12

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B118704-BS1 Date(s) Analyzed: 04/15/2015 04/15/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.4	
	2	0.00	0.00	0.00	2.3	4
Aroclor-1260	1	0.00	0.00	0.00	2.7	
	2	0.00	0.00	0.00	2.8	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B118704-BSD1 Date(s) Analyzed: 04/15/2015 04/15/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.3	
	2	0.00	0.00	0.00	2.2	4
Aroclor-1260	1	0.00	0.00	0.00	2.6	
	2	0.00	0.00	0.00	2.6	0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B118705-BS1 Date(s) Analyzed: 04/15/2015 04/15/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.2	
	2	0.00	0.00	0.00	3.2	1
Aroclor-1260	1	0.00	0.00	0.00	3.7	
	2	0.00	0.00	0.00	3.6	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B118705-BSD1 Date(s) Analyzed: 04/15/2015 04/15/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.4	
	2	0.00	0.00	0.00	3.4	1
Aroclor-1260	1	0.00	0.00	0.00	3.8	
	2	0.00	0.00	0.00	3.7	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119350-BS1 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.18	3
Aroclor-1260	1	0.00	0.00	0.00	0.16	
	2	0.00	0.00	0.00	0.17	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119350-BSD1 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.18	1
Aroclor-1260	1	0.00	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.18	7

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- O-32 A dilution was performed as part of the standard analytical procedure.
 - V-05 Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

15D 0160

PROJECT NAME / FACILITY ID: SMO Inspection

PROJECT NUMBER: 04-33980R DATE: 04/02/2015

PROJECT LOCATION: SMO

MSA#: _____ WO#: _____

FIELD PERSON: RB, SY

PROJECT MANAGER: Jason Williamson

LABORATORY: Comfest

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: PDF + Excel

SAMPLER:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS
<u>RB</u>											
SIGNATURE: <u>[Signature]</u>											
SAMPLE I.D. NUMBER											
01 <u>040215-SMOHI-BA-WOMEN-M001</u>		<u>0402</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>1</u>	<u>NA</u>	<u>Cold</u>	<u>PCB 8082</u>	
02 <u>040215-SMOHI-BA-WOMEN-M002</u>										<u>SO₂ Extraction</u>	
03 <u>-M003</u>											
04 <u>-M004</u>											
05 <u>-M005</u>											
06 <u>-M006</u>											
07 <u>-M007</u>											
08 <u>-M008</u>											
09 <u>-M009</u>											
<u>-M010</u>											
<u>-M011</u>											
<u>-M012</u>											
TOTAL		<u>XXXX</u>									

RELINQUISHED BY: <u>[Signature]</u>	TIME/DATE: <u>4/2</u>	RECEIVED BY: <u>[Signature]</u>	TIME/DATE: <u>4/2 9:46</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:		24 HOURS	5 DAYS
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:		48 HOURS	<u>NORMAL</u>
SAMPLE INTEGRITY				IF SEALED, SEAL INTEGRITY		
INTACT: Y N Temp _____				INTACT: Y N		

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H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER

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 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

15DC0160

PROJECT NAME / FACILITY ID: SMO Inspection
 PROJECT NUMBER: 04-33980R DATE: 04/02/2015
 PROJECT LOCATION: SMO
 IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: PDF + Excel

MSA#: _____ WO#: _____
 FIELD PERSON: RB, SY
 PROJECT MANAGER: Jason Wilkinson
 LABORATORY: Comtest

SAMPLER: SIGNATURE:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED PCB SOP2 SOX Extraction	COMMENTS												
	2015																						

RELINQUISHED BY: <u>[Signature]</u>	TIME/DATE: <u>4/2</u>	RECEIVED BY: <u>[Signature]</u>	TIME/DATE: <u>4/15/15 7:46</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY 24 HOURS 48 HOURS	72 HOURS 5 DAYS NORMAL
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	INTACT: Y N Temp _____	INTACT: Y N	

O = OTHER
 NO = NONE
 U = UNKNOWN
 S = H2SO4
 N = HNO3
 H = HCL



Ship Track Manage Learn FedEx Office®

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FedEx® Tracking

773232848414

Ship (P/U) date :
Thur 4/02/2015 2:05 pm

Actual delivery :
Fri 4/03/2015 9:46 am

Irvine, CA US



Delivered

Signed for by: K.MCGEE

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
4/03/2015 - Friday		
9:46 am	Delivered	EAST LONGMEADOW, MA
8:22 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:15 am	At local FedEx facility	WINDSOR LOCKS, CT
6:16 am	At destination sort facility	EAST GRANBY, CT
4:43 am	Departed FedEx location	INDIANAPOLIS, IN
2:35 am	Arrived at FedEx location	INDIANAPOLIS, IN
4/02/2015 - Thursday		
6:20 pm	Left FedEx origin facility	MARINA DEL REY, CA
2:05 pm	Picked up Tendered at FedEx Office	SANTA MONICA, CA
3/27/2015 - Friday		
12:08 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773232848414	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x15 in.
Delivered To	Shipping/Receiving	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	Deliver Weekday, Additional Handling Surcharge



Search

Customer Focus
New Customer Center
Small Business Center
Service Guide
Customer Support

Featured Services
FedEx One Rate
FedEx SameDay
FedEx Home Delivery
Healthcare Solutions
Online Retail Solutions
Packaging Services
Ancillary Clearance Services

Companies
FedEx Express
FedEx Ground
FedEx Office
FedEx Freight
FedEx Custom Critical
FedEx Trade Networks
FedEx SupplyChain
FedEx TechConnect

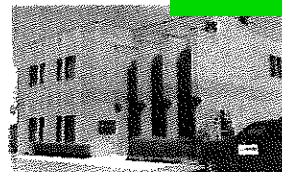
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 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: SMO Inspection RECEIVED BY: MS DATE: 4/3/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No *
 If not, explain:
- 3) Are all the samples in good condition? Yes No
 If not, explain:

4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.4 °C

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz amber/clear jar	
500 mL Amber			4 oz <input checked="" type="radio"/> amber/clear jar	54
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Plastic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			Non-ConTest Container	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	

Laboratory Comments:

* Only received 54 jars. Samples not received for pages 4 and 5 of the CoC (B112 sampler).

40 mL vials: # HCl _____ # Methanol _____	Time and Date Frozen:
Doc# 277 # Bisulfate _____ # DI Water _____	
Rev. 4 August 2013 # Thiosulfate _____ Unpreserved _____	

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	F	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?
Log-In Technician Initials:

Date/Time:

Date/Time:

MS

4/13/15

9:46

Aaron Benoit

From: Robert Seeley [RSeeley@environcorp.com]
Sent: Friday, May 01, 2015 3:03 PM
To: aaron.benoit@contestlabs.com
Cc: Jason Wilkinson; Rod Bronstein
Subject: SAMOHI Sample IDs

Follow Up Flag: Follow up
Flag Status: Flagged

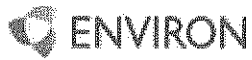
Aaron,

Can you please update the following sample IDs:

15D0211-01	040315-SMOHI-BA-█208B-M004
15D0211-02	040315-SMOHI-BA-█208B-M005
15D0211-03	040315-SMOHI-BA-█208B-M006
15D0211-04	040315-SMOHI-BA-█208B-M007
15D0211-05	040315-SMOHI-BA-█208B-M008
15D0211-06	040315-SMOHI-BA-█208B-M009
15D0160-10	040215-SMOHI-BA-█MENS-M001
15D0160-11	040215-SMOHI-BA-█MENS-M002
15D0160-12	040215-SMOHI-BA-█MENS-M003
15D0160-13	040215-SMOHI-BA-█MENS-M004
15D0160-14	040215-SMOHI-BA-█MENS-M005
15D0160-15	040215-SMOHI-BA-█MENS-M006
15D0160-16	040215-SMOHI-BA-█MENS-M007
15D0160-17	040215-SMOHI-BA-█MENS-M008
15D0160-18	040215-SMOHI-BA-█MENS-M009
15D0160-19	040215-SMOHI-BA-█MENS-M010
15D0160-20	040215-SMOHI-BA-█MENS-M011
15D0160-21	040215-SMOHI-BA-█MENS-M012
15D0160-01	040215-SMOHI-BA-█WOMENS-M001
15D0160-02	040215-SMOHI-BA-█WOMENS-M002
15D0160-03	040215-SMOHI-BA-█WOMENS-M003
15D0160-04	040215-SMOHI-BA-█WOMENS-M004
15D0160-05	040215-SMOHI-BA-█WOMENS-M005
15D0160-06	040215-SMOHI-BA-█WOMENS-M006
15D0160-07	040215-SMOHI-BA-█WOMENS-M007
15D0160-08	040215-SMOHI-BA-█WOMENS-M008
15D0160-09	040215-SMOHI-BA-█WOMENS-M009

The red █ needs to be added to sample ID for the lab report. I am not sure if the error occurred on the COC or was a transcription error from the COC to sample entry (I think both happened). The left column is the Lab ID and right is Sample ID.

Please call me with any questions,
 Rob



Robert Seeley | Associate
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From: Robert Seeley
Sent: Friday, May 01, 2015 3:03 PM
To: aaron.benoit@contestlabs.com
Cc: Jason Wilkinson; Rod Bronstein
Subject: SAMOHI Sample IDs

Aaron,

Can you please update the following sample IDs:

15D0160-01	040215-SMOHI-BA-██████████	WOMENS-M001
15D0160-02	040215-SMOHI-BA-██████████	WOMENS-M002
15D0160-03	040215-SMOHI-BA-██████████	WOMENS-M003
15D0160-04	040215-SMOHI-BA-██████████	WOMENS-M004
15D0160-05	040215-SMOHI-BA-██████████	WOMENS-M005
15D0160-06	040215-SMOHI-BA-██████████	WOMENS-M006
15D0160-07	040215-SMOHI-BA-██████████	WOMENS-M007
15D0160-08	040215-SMOHI-BA-██████████	WOMENS-M008
15D0160-09	040215-SMOHI-BA-██████████	WOMENS-M009

The red ████ needs to be removed from sample ID for the lab report as the sample ID exceeds the character count. The left column is the Lab ID and right is Sample ID.

Please call me with any questions,
Rob



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May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0207

Enclosed are results of analyses for samples received by the laboratory on April 4, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886
ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0207

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040315-SMOHI-BA-R201-M001	15D0207-01	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R201-M002	15D0207-02	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R206-M001	15D0207-03	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R206-M002	15D0207-04	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R211-M001	15D0207-05	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R211-M002	15D0207-06	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R211-M003	15D0207-07	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:

O-32

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

15D0207-01[040315-SMOHI-BA-R201-M001], 15D0207-02[040315-SMOHI-BA-R201-M002], 15D0207-03[040315-SMOHI-BA-R206-M001],
15D0207-04[040315-SMOHI-BA-R206-M002], 15D0207-07[040315-SMOHI-BA-R211-M003]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0207-05[040315-SMOHI-BA-R211-M001], 15D0207-06[040315-SMOHI-BA-R211-M002]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0207

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R201-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0207-01

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:36	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:36	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:36	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:36	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:36	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:36	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:36	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:36	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:36	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:36	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.1	30-150					4/17/15 19:36	
Decachlorobiphenyl [2]		92.2	30-150					4/17/15 19:36	
Tetrachloro-m-xylene [1]		92.2	30-150					4/17/15 19:36	
Tetrachloro-m-xylene [2]		94.0	30-150					4/17/15 19:36	

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Project Location: SMO

Sample Description:

Work Order: 15D0207

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R201-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0207-02

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:49	JMB
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:49	JMB
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:49	JMB
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:49	JMB
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:49	JMB
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:49	JMB
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:49	JMB
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:49	JMB
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:49	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 19:49	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.3	30-150					4/17/15 19:49	
Decachlorobiphenyl [2]		92.5	30-150					4/17/15 19:49	
Tetrachloro-m-xylene [1]		91.3	30-150					4/17/15 19:49	
Tetrachloro-m-xylene [2]		94.0	30-150					4/17/15 19:49	

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Project Location: SMO

Sample Description:

Work Order: 15D0207

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R206-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0207-03

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:02	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:02	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:02	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:02	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:02	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:02	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:02	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:02	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:02	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:02	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.0	30-150					4/17/15 20:02	
Decachlorobiphenyl [2]		89.6	30-150					4/17/15 20:02	
Tetrachloro-m-xylene [1]		95.7	30-150					4/17/15 20:02	
Tetrachloro-m-xylene [2]		97.0	30-150					4/17/15 20:02	

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Project Location: SMO

Sample Description:

Work Order: 15D0207

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R206-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0207-04

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:15	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:15	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:15	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:15	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:15	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:15	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:15	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:15	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:15	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:15	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					4/17/15 20:15	
Decachlorobiphenyl [2]		98.8	30-150					4/17/15 20:15	
Tetrachloro-m-xylene [1]		108	30-150					4/17/15 20:15	
Tetrachloro-m-xylene [2]		110	30-150					4/17/15 20:15	

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Project Location: SMO

Sample Description:

Work Order: 15D0207

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R211-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0207-05

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:16	KAL
Aroclor-1221 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:16	KAL
Aroclor-1232 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:16	KAL
Aroclor-1242 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:16	KAL
Aroclor-1248 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:16	KAL
Aroclor-1254 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:16	KAL
Aroclor-1260 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:16	KAL
Aroclor-1262 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:16	KAL
Aroclor-1268 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:16	KAL
		0.0	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:16	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.3	30-150					4/21/15 1:16	
Decachlorobiphenyl [2]		57.5	30-150					4/21/15 1:16	
Tetrachloro-m-xylene [1]		77.4	30-150					4/21/15 1:16	
Tetrachloro-m-xylene [2]		66.8	30-150					4/21/15 1:16	

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Project Location: SMO

Sample Description:

Work Order: 15D0207

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R211-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0207-06

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:44	JMB
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:44	JMB
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:44	JMB
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:44	JMB
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:44	JMB
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:44	JMB
Aroclor-1260 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:44	JMB
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:44	JMB
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:44	JMB
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:44	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.1	30-150					4/19/15 11:44	
Decachlorobiphenyl [2]		74.3	30-150					4/19/15 11:44	
Tetrachloro-m-xylene [1]		55.8	30-150					4/19/15 11:44	
Tetrachloro-m-xylene [2]		58.4	30-150					4/19/15 11:44	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0207

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R211-M003

Sampled: 4/3/2015 00:00

Sample ID: 15D0207-07

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:28	JMB
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:28	JMB
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:28	JMB
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:28	JMB
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:28	JMB
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:28	JMB
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:28	JMB
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:28	JMB
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:28	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.3	30-150					4/17/15 20:28	
Decachlorobiphenyl [2]		96.2	30-150					4/17/15 20:28	
Tetrachloro-m-xylene [1]		97.0	30-150					4/17/15 20:28	
Tetrachloro-m-xylene [2]		99.5	30-150					4/17/15 20:28	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0207-01 [040315-SMOHI-BA-R201-M001]	B119162	0.515	10.0	04/13/15
15D0207-02 [040315-SMOHI-BA-R201-M002]	B119162	0.529	10.0	04/13/15
15D0207-03 [040315-SMOHI-BA-R206-M001]	B119162	0.512	10.0	04/13/15
15D0207-04 [040315-SMOHI-BA-R206-M002]	B119162	0.510	10.0	04/13/15
15D0207-07 [040315-SMOHI-BA-R211-M003]	B119162	0.524	10.0	04/13/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0207-05 [040315-SMOHI-BA-R211-M001]	B119196	2.17	10.0	04/13/15
15D0207-06 [040315-SMOHI-BA-R211-M002]	B119196	2.15	10.0	04/13/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119162 - SW-846 3540C										
Blank (B119162-BLK1)										
Prepared: 04/13/15 Analyzed: 04/17/15										
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	3.87		mg/Kg	4.00		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.53		mg/Kg	4.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	3.67		mg/Kg	4.00		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.47		mg/Kg	4.00		86.7	30-150			
LCS (B119162-BS1)										
Prepared: 04/13/15 Analyzed: 04/17/15										
Aroclor-1016	3.8	0.20	mg/Kg	4.00		94.9	40-140			
Aroclor-1016 [2C]	3.9	0.20	mg/Kg	4.00		98.2	40-140			
Aroclor-1260	4.1	0.20	mg/Kg	4.00		103	40-140			
Aroclor-1260 [2C]	4.3	0.20	mg/Kg	4.00		107	40-140			
Surrogate: Decachlorobiphenyl	4.15		mg/Kg	4.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.79		mg/Kg	4.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene	3.99		mg/Kg	4.00		99.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.74		mg/Kg	4.00		93.4	30-150			
LCS Dup (B119162-BSD1)										
Prepared: 04/13/15 Analyzed: 04/17/15										
Aroclor-1016	3.4	0.20	mg/Kg	4.00		85.5	40-140	10.5	30	
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		87.0	40-140	12.1	30	
Aroclor-1260	4.0	0.20	mg/Kg	4.00		99.5	40-140	3.18	30	
Aroclor-1260 [2C]	4.1	0.20	mg/Kg	4.00		103	40-140	3.38	30	
Surrogate: Decachlorobiphenyl	3.93		mg/Kg	4.00		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.59		mg/Kg	4.00		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	3.23		mg/Kg	4.00		80.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.05		mg/Kg	4.00		76.3	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119196 - SW-846 3540C										
Blank (B119196-BLK1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.933		mg/Kg	1.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.853		mg/Kg	1.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.782		mg/Kg	1.00		78.2	30-150			
LCS (B119196-BS1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	0.24	0.10	mg/Kg	0.250		94.0	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg	0.250		87.2	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.956		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.891		mg/Kg	1.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.817		mg/Kg	1.00		81.7	30-150			
LCS Dup (B119196-BSD1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	0.24	0.10	mg/Kg	0.250		95.7	40-140	1.76	30	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		91.4	40-140	4.75	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		104	40-140	0.296	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140	0.322	30	
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.874		mg/Kg	1.00		87.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119196 - SW-846 3540C

Matrix Spike (B119196-MS1)

Source: 15D0207-06

Prepared: 04/13/15 Analyzed: 04/19/15

Aroclor-1016	0.20	0.99	mg/Kg	0.246	ND	81.2	40-140			
Aroclor-1016 [2C]	0.19	0.99	mg/Kg	0.246	ND	78.6	40-140			
Aroclor-1260	0.18	0.99	mg/Kg	0.246	ND	72.8	40-140			
Aroclor-1260 [2C]	0.18	0.99	mg/Kg	0.246	ND	73.5	40-140			
Surrogate: Decachlorobiphenyl	0.681		mg/Kg	0.985		69.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.691		mg/Kg	0.985		70.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.578		mg/Kg	0.985		58.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.615		mg/Kg	0.985		62.4	30-150			

Matrix Spike Dup (B119196-MSD1)

Source: 15D0207-06

Prepared: 04/13/15 Analyzed: 04/19/15

Aroclor-1016	0.18	1.0	mg/Kg	0.249	ND	71.1	40-140	12.2	50	
Aroclor-1016 [2C]	0.20	1.0	mg/Kg	0.249	ND	81.8	40-140	5.05	50	
Aroclor-1260	0.26	1.0	mg/Kg	0.249	ND	105	40-140	37.3	50	
Aroclor-1260 [2C]	0.20	1.0	mg/Kg	0.249	ND	80.3	40-140	9.81	50	
Surrogate: Decachlorobiphenyl	0.468		mg/Kg	0.995		47.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.636		mg/Kg	0.995		63.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.675		mg/Kg	0.995		67.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.673		mg/Kg	0.995		67.7	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119162-BSD1 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.4	
	2	0.00	0.00	0.00	3.5	2
Aroclor-1260	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	4.1	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*Lab Sample ID: B119196-BS1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.22	7
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119196-BSD1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.23	4
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike

SW-846 8082A

Lab Sample ID: B119196-MS1 Date(s) Analyzed: 04/19/2015 04/19/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.19	5
Aroclor-1260	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.18	1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B119196-MSD1 Date(s) Analyzed: 04/19/2015 04/19/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.20	12
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.20	27

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- O-32 A dilution was performed as part of the standard analytical procedure.
 - RL-12 Elevated reporting limit due to matrix interference.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
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(602) 734-7701 (fax)

PROJECT NAME / FACILITY ID: SMO Inspection
PROJECT NUMBER: 04-33980 R DATE: 04/03/2015
PROJECT LOCATION: SMO

MSA#: _____ WO#: _____
FIELD PERSON: NS RS
PROJECT MANAGER: Jason Wilkinson
LABORATORY: Contest

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: _____

SAMPLER: <u>Na Shinn</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS
	2015									ACB 8082	w/sox extract	
SIGNATURE: <u>[Signature]</u>												
SAMPLE I.D. NUMBER												
01 040315-SM04I-BA-R201-M001		04/03	NA	NA	NA	NA	1	NA	Cold			
02 ↓ ↓ - M002							1					
03 R206-M001							1					
04 ↓ - M002							1					
05 R211-M001							1					
06 M002							1				X	MS/MSD
06 M002MS							1				X	
06 M002MSD							1				X	
07 M003							1				X	MS/MSD
07 M003MS							1				X	
07 M003MSD							1				X	
TOTAL	X	X	X				11					

01
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06
07
07
07

RELINQUISHED BY: _____ TIME/DATE: <u>4/3/15</u>	RECEIVED BY: _____ TIME/DATE: <u>7:02</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
(COMPANY): <u>[Signature]</u>	<u>4/4/15 10:45</u>		24 HOURS	5 DAYS
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: _____		48 HOURS	NORMAL
(COMPANY): _____	(COMPANY): _____	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: _____	INTACT: Y N Temp _____	INTACT: Y N	
(COMPANY): _____	(COMPANY): _____			



FedEx® Tracking

773289367220

Ship (P/U) date :
Fri 4/03/2015 5:11 pm

Actual delivery :
Sat 4/04/2015 10:45 am

Irvine, CA US



Delivered

Signed for by: J.MJM M

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
4/04/2015 - Saturday		
10:45 am	Delivered	EAST LONGMEADOW, MA
7:54 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:49 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	EAST GRANBY, CT
3:38 am	Departed FedEx location	MEMPHIS, TN
1:36 am	Arrived at FedEx location	MEMPHIS, TN
4/03/2015 - Friday		
6:15 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:11 pm	Picked up	SANTA MONICA, CA
	Tendered at FedEx Office	
12:41 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773289367220	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x14 in.
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	For Saturday Delivery, Additional Handling Surcharge



Search

Customer Focus
New Customer Center
Small Business Center
Service Guide
Customer Support

Featured Services
FedEx One Rate
FedEx SameDay
FedEx Home Delivery
Healthcare Solutions
Online Retail Solutions
Packaging Services
Ancillary Clearance Services

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 East Longmeadow, MA. 01028
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 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: MJ DATE: 4/4/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain:
- 3) Are all the samples in good condition? Yes No
 If not, explain:

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A _____

9) Do all samples have the proper Base pH: Yes No N/A _____

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	11
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____ # Bisulfate _____ # DI Water _____ # Thiosulfate _____ Unpreserved _____	Time and Date Frozen: _____
--	-----------------------------

Doc# 277

Rev. 4 August 2013

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements?

Date/Time:

Doc #277 Rev. 4 August 2013

Log-In Technician Initials:

Date/Time:

MS

4/4/15 10:45

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0208

Enclosed are results of analyses for samples received by the laboratory on April 4, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0208

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040315-SMOHI-BA-R200-M010	15D0208-01	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R200-M011	15D0208-02	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R200-M012	15D0208-03	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R200-M013	15D0208-04	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R202-M001	15D0208-05	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R202-M002	15D0208-06	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R202-M003	15D0208-07	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R202-M004	15D0208-08	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R202-M005	15D0208-09	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R202-M006	15D0208-10	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R202-M007	15D0208-11	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R202-M008	15D0208-12	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R202-M009	15D0208-13	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R202-M010	15D0208-14	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R202-M011	15D0208-15	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R200-M001	15D0208-16	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R200-M002	15D0208-17	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R200-M003	15D0208-18	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R200-M004	15D0208-19	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R200-M005	15D0208-20	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:

O-32

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

15D0208-06[040315-SMOHI-BA-R202-M002], 15D0208-08[040315-SMOHI-BA-R202-M004], 15D0208-12[040315-SMOHI-BA-R202-M008],
15D0208-13[040315-SMOHI-BA-R202-M009], 15D0208-20[040315-SMOHI-BA-R200-M005]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0208-02[040315-SMOHI-BA-R200-M011], 15D0208-03[040315-SMOHI-BA-R200-M012], 15D0208-04[040315-SMOHI-BA-R200-M013],
15D0208-05[040315-SMOHI-BA-R202-M001], 15D0208-07[040315-SMOHI-BA-R202-M003], 15D0208-09[040315-SMOHI-BA-R202-M005],
15D0208-10[040315-SMOHI-BA-R202-M006], 15D0208-11[040315-SMOHI-BA-R202-M007], 15D0208-16[040315-SMOHI-BA-R200-M001],
15D0208-17[040315-SMOHI-BA-R200-M002], 15D0208-19[040315-SMOHI-BA-R200-M004]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M010

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 12:59	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 12:59	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 12:59	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 12:59	JMB
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 12:59	JMB
Aroclor-1254 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 12:59	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 12:59	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 12:59	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 12:59	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 12:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					4/23/15 12:59	
Decachlorobiphenyl [2]		96.4	30-150					4/23/15 12:59	
Tetrachloro-m-xylene [1]		104	30-150					4/23/15 12:59	
Tetrachloro-m-xylene [2]		93.1	30-150					4/23/15 12:59	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M011

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-02

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:41	JMB
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:41	JMB
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:41	JMB
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:41	JMB
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:41	JMB
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:41	JMB
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:41	JMB
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:41	JMB
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:41	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:41	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					4/17/15 20:41	
Decachlorobiphenyl [2]		97.5	30-150					4/17/15 20:41	
Tetrachloro-m-xylene [1]		99.9	30-150					4/17/15 20:41	
Tetrachloro-m-xylene [2]		103	30-150					4/17/15 20:41	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M012

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-03

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:34	KAL
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:34	KAL
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:34	KAL
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:34	KAL
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:34	KAL
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:34	KAL
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:34	KAL
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:34	KAL
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:34	KAL
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:34	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					4/21/15 1:34	
Decachlorobiphenyl [2]		90.5	30-150					4/21/15 1:34	
Tetrachloro-m-xylene [1]		108	30-150					4/21/15 1:34	
Tetrachloro-m-xylene [2]		96.1	30-150					4/21/15 1:34	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M013

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-04

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:52	KAL
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:52	KAL
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:52	KAL
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:52	KAL
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:52	KAL
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:52	KAL
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:52	KAL
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:52	KAL
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:52	KAL
		0.0	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 1:52	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		109	30-150					4/21/15 1:52	
Decachlorobiphenyl [2]		95.5	30-150					4/21/15 1:52	
Tetrachloro-m-xylene [1]		102	30-150					4/21/15 1:52	
Tetrachloro-m-xylene [2]		90.5	30-150					4/21/15 1:52	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R202-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-05

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:10	KAL
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:10	KAL
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:10	KAL
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:10	KAL
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:10	KAL
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:10	KAL
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:10	KAL
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:10	KAL
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:10	KAL
		0.0	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:10	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		64.0	30-150					4/21/15 2:10	
Decachlorobiphenyl [2]		56.1	30-150					4/21/15 2:10	
Tetrachloro-m-xylene [1]		76.2	30-150					4/21/15 2:10	
Tetrachloro-m-xylene [2]		65.7	30-150					4/21/15 2:10	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R202-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-06

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:54	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:54	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:54	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:54	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:54	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:54	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:54	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:54	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:54	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 20:54	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.6	30-150					4/17/15 20:54	
Decachlorobiphenyl [2]		88.5	30-150					4/17/15 20:54	
Tetrachloro-m-xylene [1]		97.3	30-150					4/17/15 20:54	
Tetrachloro-m-xylene [2]		99.3	30-150					4/17/15 20:54	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R202-M003

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-07

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:28	KAL
Aroclor-1221 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:28	KAL
Aroclor-1232 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:28	KAL
Aroclor-1242 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:28	KAL
Aroclor-1248 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:28	KAL
Aroclor-1254 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:28	KAL
Aroclor-1260 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:28	KAL
Aroclor-1262 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:28	KAL
Aroclor-1268 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:28	KAL
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.0	30-150					4/21/15 2:28	
Decachlorobiphenyl [2]		74.9	30-150					4/21/15 2:28	
Tetrachloro-m-xylene [1]		99.4	30-150					4/21/15 2:28	
Tetrachloro-m-xylene [2]		88.2	30-150					4/21/15 2:28	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R202-M004

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-08

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:07	JMB
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:07	JMB
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:07	JMB
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:07	JMB
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:07	JMB
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:07	JMB
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:07	JMB
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:07	JMB
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:07	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:07	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.5	30-150					4/17/15 21:07	
Decachlorobiphenyl [2]		71.9	30-150					4/17/15 21:07	
Tetrachloro-m-xylene [1]		75.7	30-150					4/17/15 21:07	
Tetrachloro-m-xylene [2]		80.1	30-150					4/17/15 21:07	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R202-M005

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-09

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:45	KAL
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:45	KAL
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:45	KAL
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:45	KAL
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:45	KAL
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:45	KAL
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:45	KAL
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:45	KAL
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:45	KAL
		0.0	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 2:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		110	30-150					4/21/15 2:45	
Decachlorobiphenyl [2]		97.0	30-150					4/21/15 2:45	
Tetrachloro-m-xylene [1]		114	30-150					4/21/15 2:45	
Tetrachloro-m-xylene [2]		102	30-150					4/21/15 2:45	

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Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R202-M006

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-10

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:57	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:57	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:57	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:57	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:57	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:57	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:57	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:57	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:57	JMB
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 11:57	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.0	30-150					4/19/15 11:57	
Decachlorobiphenyl [2]		82.3	30-150					4/19/15 11:57	
Tetrachloro-m-xylene [1]		74.9	30-150					4/19/15 11:57	
Tetrachloro-m-xylene [2]		78.6	30-150					4/19/15 11:57	

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Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R202-M007

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-11

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:10	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:10	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:10	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:10	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:10	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:10	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:10	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:10	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:10	JMB
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:10	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.5	30-150					4/19/15 12:10	
Decachlorobiphenyl [2]		82.8	30-150					4/19/15 12:10	
Tetrachloro-m-xylene [1]		67.6	30-150					4/19/15 12:10	
Tetrachloro-m-xylene [2]		69.5	30-150					4/19/15 12:10	

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Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R202-M008

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-12

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:20	JMB
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:20	JMB
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:20	JMB
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:20	JMB
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:20	JMB
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:20	JMB
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:20	JMB
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:20	JMB
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:20	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:20	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.5	30-150					4/17/15 21:20	
Decachlorobiphenyl [2]		75.2	30-150					4/17/15 21:20	
Tetrachloro-m-xylene [1]		64.0	30-150					4/17/15 21:20	
Tetrachloro-m-xylene [2]		67.0	30-150					4/17/15 21:20	

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Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R202-M009

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-13

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:33	JMB
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:33	JMB
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:33	JMB
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:33	JMB
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:33	JMB
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:33	JMB
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:33	JMB
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:33	JMB
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:33	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:33	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.4	30-150					4/17/15 21:33	
Decachlorobiphenyl [2]		70.6	30-150					4/17/15 21:33	
Tetrachloro-m-xylene [1]		65.6	30-150					4/17/15 21:33	
Tetrachloro-m-xylene [2]		67.4	30-150					4/17/15 21:33	

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Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R202-M010

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:14	JMB
Aroclor-1221 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:14	JMB
Aroclor-1232 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:14	JMB
Aroclor-1242 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:14	JMB
Aroclor-1248 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:14	JMB
Aroclor-1254 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:14	JMB
Aroclor-1260 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:14	JMB
Aroclor-1262 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:14	JMB
Aroclor-1268 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:14	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:14	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					4/23/15 13:14	
Decachlorobiphenyl [2]		95.2	30-150					4/23/15 13:14	
Tetrachloro-m-xylene [1]		104	30-150					4/23/15 13:14	
Tetrachloro-m-xylene [2]		92.7	30-150					4/23/15 13:14	

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Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R202-M011

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:27	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:27	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:27	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:27	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:27	JMB
Aroclor-1254 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:27	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:27	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:27	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:27	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:27	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					4/23/15 13:27	
Decachlorobiphenyl [2]		96.0	30-150					4/23/15 13:27	
Tetrachloro-m-xylene [1]		101	30-150					4/23/15 13:27	
Tetrachloro-m-xylene [2]		90.9	30-150					4/23/15 13:27	

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Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-16

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:03	KAL
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:03	KAL
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:03	KAL
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:03	KAL
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:03	KAL
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:03	KAL
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:03	KAL
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:03	KAL
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:03	KAL
		0.0	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.0	30-150					4/21/15 3:03	
Decachlorobiphenyl [2]		73.1	30-150					4/21/15 3:03	
Tetrachloro-m-xylene [1]		104	30-150					4/21/15 3:03	
Tetrachloro-m-xylene [2]		92.8	30-150					4/21/15 3:03	

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Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-17

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:23	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:23	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:23	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:23	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:23	JMB
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:23	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:23	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:23	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:23	JMB
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:23	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.4	30-150					4/19/15 12:23	
Decachlorobiphenyl [2]		78.5	30-150					4/19/15 12:23	
Tetrachloro-m-xylene [1]		67.6	30-150					4/19/15 12:23	
Tetrachloro-m-xylene [2]		71.5	30-150					4/19/15 12:23	

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Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M003

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/18/15	4/21/15 20:28	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/18/15	4/21/15 20:28	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/18/15	4/21/15 20:28	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/18/15	4/21/15 20:28	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/18/15	4/21/15 20:28	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/18/15	4/21/15 20:28	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/18/15	4/21/15 20:28	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/18/15	4/21/15 20:28	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/18/15	4/21/15 20:28	KAL
	0.0		mg/Kg	1		SW-846 8082A	4/18/15	4/21/15 20:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		55.4	30-150					4/21/15 20:28	
Decachlorobiphenyl [2]		52.7	30-150					4/21/15 20:28	
Tetrachloro-m-xylene [1]		48.2	30-150					4/21/15 20:28	
Tetrachloro-m-xylene [2]		46.4	30-150					4/21/15 20:28	

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Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M004

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-19

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 21:49	MJC
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 21:49	MJC
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 21:49	MJC
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 21:49	MJC
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 21:49	MJC
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 21:49	MJC
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 21:49	MJC
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 21:49	MJC
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 21:49	MJC
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 21:49	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.8	30-150					4/21/15 21:49	
Decachlorobiphenyl [2]		68.8	30-150					4/21/15 21:49	
Tetrachloro-m-xylene [1]		84.7	30-150					4/21/15 21:49	
Tetrachloro-m-xylene [2]		75.1	30-150					4/21/15 21:49	

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Project Location: SMO

Sample Description:

Work Order: 15D0208

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M005

Sampled: 4/3/2015 00:00

Sample ID: 15D0208-20

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:46	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:46	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:46	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:46	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:46	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:46	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:46	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:46	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:46	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 21:46	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.1	30-150					4/17/15 21:46	
Decachlorobiphenyl [2]		79.4	30-150					4/17/15 21:46	
Tetrachloro-m-xylene [1]		65.5	30-150					4/17/15 21:46	
Tetrachloro-m-xylene [2]		67.1	30-150					4/17/15 21:46	

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0208-02 [040315-SMOHI-BA-R200-M011]	B119162	0.507	10.0	04/13/15
15D0208-06 [040315-SMOHI-BA-R202-M002]	B119162	0.510	10.0	04/13/15
15D0208-08 [040315-SMOHI-BA-R202-M004]	B119162	0.520	10.0	04/13/15
15D0208-12 [040315-SMOHI-BA-R202-M008]	B119162	0.503	10.0	04/13/15
15D0208-13 [040315-SMOHI-BA-R202-M009]	B119162	0.521	10.0	04/13/15
15D0208-20 [040315-SMOHI-BA-R200-M005]	B119162	0.515	10.0	04/13/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0208-01 [040315-SMOHI-BA-R200-M010]	B119204	0.209	10.0	04/13/15
15D0208-14 [040315-SMOHI-BA-R202-M010]	B119204	0.211	10.0	04/13/15
15D0208-15 [040315-SMOHI-BA-R202-M011]	B119204	0.206	10.0	04/13/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0208-03 [040315-SMOHI-BA-R200-M012]	B119196	2.04	10.0	04/13/15
15D0208-04 [040315-SMOHI-BA-R200-M013]	B119196	2.03	10.0	04/13/15
15D0208-05 [040315-SMOHI-BA-R202-M001]	B119196	2.03	10.0	04/13/15
15D0208-07 [040315-SMOHI-BA-R202-M003]	B119196	2.12	10.0	04/13/15
15D0208-09 [040315-SMOHI-BA-R202-M005]	B119196	2.05	10.0	04/13/15
15D0208-10 [040315-SMOHI-BA-R202-M006]	B119196	2.03	10.0	04/13/15
15D0208-11 [040315-SMOHI-BA-R202-M007]	B119196	2.05	10.0	04/13/15
15D0208-16 [040315-SMOHI-BA-R200-M001]	B119196	2.07	10.0	04/13/15
15D0208-17 [040315-SMOHI-BA-R200-M002]	B119196	2.06	10.0	04/13/15
15D0208-19 [040315-SMOHI-BA-R200-M004]	B119196	2.06	10.0	04/13/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0208-18RE1 [040315-SMOHI-BA-R200-M003]	B119659	2.22	10.0	04/18/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119162 - SW-846 3540C										
Blank (B119162-BLK1)										
Prepared: 04/13/15 Analyzed: 04/17/15										
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	3.87		mg/Kg	4.00		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.53		mg/Kg	4.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	3.67		mg/Kg	4.00		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.47		mg/Kg	4.00		86.7	30-150			
LCS (B119162-BS1)										
Prepared: 04/13/15 Analyzed: 04/17/15										
Aroclor-1016	3.8	0.20	mg/Kg	4.00		94.9	40-140			
Aroclor-1016 [2C]	3.9	0.20	mg/Kg	4.00		98.2	40-140			
Aroclor-1260	4.1	0.20	mg/Kg	4.00		103	40-140			
Aroclor-1260 [2C]	4.3	0.20	mg/Kg	4.00		107	40-140			
Surrogate: Decachlorobiphenyl	4.15		mg/Kg	4.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.79		mg/Kg	4.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene	3.99		mg/Kg	4.00		99.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.74		mg/Kg	4.00		93.4	30-150			
LCS Dup (B119162-BSD1)										
Prepared: 04/13/15 Analyzed: 04/17/15										
Aroclor-1016	3.4	0.20	mg/Kg	4.00		85.5	40-140	10.5	30	
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		87.0	40-140	12.1	30	
Aroclor-1260	4.0	0.20	mg/Kg	4.00		99.5	40-140	3.18	30	
Aroclor-1260 [2C]	4.1	0.20	mg/Kg	4.00		103	40-140	3.38	30	
Surrogate: Decachlorobiphenyl	3.93		mg/Kg	4.00		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.59		mg/Kg	4.00		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	3.23		mg/Kg	4.00		80.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.05		mg/Kg	4.00		76.3	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119196 - SW-846 3540C										
Blank (B119196-BLK1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.933		mg/Kg	1.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.853		mg/Kg	1.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.782		mg/Kg	1.00		78.2	30-150			
LCS (B119196-BS1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	0.24	0.10	mg/Kg	0.250		94.0	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg	0.250		87.2	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.956		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.891		mg/Kg	1.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.817		mg/Kg	1.00		81.7	30-150			
LCS Dup (B119196-BSD1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	0.24	0.10	mg/Kg	0.250		95.7	40-140	1.76	30	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		91.4	40-140	4.75	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		104	40-140	0.296	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140	0.322	30	
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.874		mg/Kg	1.00		87.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119196 - SW-846 3540C

Matrix Spike (B119196-MS2)

Source: 15D0208-10

Prepared: 04/13/15 Analyzed: 04/19/15

Aroclor-1016	0.17	0.99	mg/Kg	0.248	ND	70.0	40-140			
Aroclor-1016 [2C]	0.20	0.99	mg/Kg	0.248	ND	81.9	40-140			
Aroclor-1260	0.26	0.99	mg/Kg	0.248	ND	105	40-140			
Aroclor-1260 [2C]	0.29	0.99	mg/Kg	0.248	ND	116	40-140			
Surrogate: Decachlorobiphenyl	0.663		mg/Kg	0.990		66.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.721		mg/Kg	0.990		72.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.668		mg/Kg	0.990		67.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.736		mg/Kg	0.990		74.3	30-150			

Matrix Spike Dup (B119196-MSD2)

Source: 15D0208-10

Prepared: 04/13/15 Analyzed: 04/19/15

Aroclor-1016	0.19	0.99	mg/Kg	0.246	ND	79.1	40-140	11.8	50	
Aroclor-1016 [2C]	0.19	0.99	mg/Kg	0.246	ND	75.6	40-140	8.42	50	
Aroclor-1260	0.16	0.99	mg/Kg	0.246	ND	66.6	40-140	45.2	50	
Aroclor-1260 [2C]	0.22	0.99	mg/Kg	0.246	ND	88.2	40-140	27.6	50	
Surrogate: Decachlorobiphenyl	0.667		mg/Kg	0.985		67.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.698		mg/Kg	0.985		70.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.672		mg/Kg	0.985		68.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.689		mg/Kg	0.985		70.0	30-150			

Batch B119204 - SW-846 3540C

Blank (B119204-BLK1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	10.4		mg/Kg	10.0		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.09		mg/Kg	10.0		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	9.93		mg/Kg	10.0		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.70		mg/Kg	10.0		87.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119204 - SW-846 3540C										
LCS (B119204-BS1)										
Prepared: 04/13/15 Analyzed: 04/23/15										
Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		104	40-140			
Aroclor-1260	2.6	0.50	mg/Kg	2.50		103	40-140			
Aroclor-1260 [2C]	2.7	0.50	mg/Kg	2.50		109	40-140			
Surrogate: Decachlorobiphenyl	10.2		mg/Kg	10.0		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.95		mg/Kg	10.0		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	9.41		mg/Kg	10.0		94.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.31		mg/Kg	10.0		83.1	30-150			
LCS Dup (B119204-BSD1)										
Prepared: 04/13/15 Analyzed: 04/23/15										
Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140	0.369	30	
Aroclor-1016 [2C]	2.7	0.50	mg/Kg	2.50		107	40-140	3.07	30	
Aroclor-1260	2.8	0.50	mg/Kg	2.50		112	40-140	8.25	30	
Aroclor-1260 [2C]	3.0	0.50	mg/Kg	2.50		119	40-140	9.04	30	
Surrogate: Decachlorobiphenyl	10.8		mg/Kg	10.0		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.56		mg/Kg	10.0		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	10.3		mg/Kg	10.0		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.18		mg/Kg	10.0		91.8	30-150			
Batch B119350 - SW-846 3540C										
Blank (B119350-BLK1)										
Prepared: 04/15/15 Analyzed: 04/16/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.457		mg/Kg	1.00		45.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.474		mg/Kg	1.00		47.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.588		mg/Kg	1.00		58.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.662		mg/Kg	1.00		66.2	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119350 - SW-846 3540C

LCS (B119350-BS1)

Prepared: 04/15/15 Analyzed: 04/16/15

Aroclor-1016	0.17	0.10	mg/Kg	0.250		69.9	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg	0.250		71.2	40-140			
Aroclor-1260	0.16	0.10	mg/Kg	0.250		63.1	40-140			
Aroclor-1260 [2C]	0.17	0.10	mg/Kg	0.250		69.2	40-140			
Surrogate: Decachlorobiphenyl	0.592		mg/Kg	1.00		59.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.634		mg/Kg	1.00		63.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.694		mg/Kg	1.00		69.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.762		mg/Kg	1.00		76.2	30-150			

LCS Dup (B119350-BSD1)

Prepared: 04/15/15 Analyzed: 04/16/15

Aroclor-1016	0.18	0.10	mg/Kg	0.250		71.7	40-140	2.52	30	
Aroclor-1016 [2C]	0.18	0.10	mg/Kg	0.250		73.8	40-140	3.54	30	
Aroclor-1260	0.17	0.10	mg/Kg	0.250		66.7	40-140	5.47	30	
Aroclor-1260 [2C]	0.18	0.10	mg/Kg	0.250		72.8	40-140	4.96	30	
Surrogate: Decachlorobiphenyl	0.614		mg/Kg	1.00		61.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.640		mg/Kg	1.00		64.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.680		mg/Kg	1.00		68.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.753		mg/Kg	1.00		75.3	30-150			

Batch B119659 - SW-846 3540C

Blank (B119659-BLK1)

Prepared: 04/18/15 Analyzed: 04/20/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.852		mg/Kg	1.00		85.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.995		mg/Kg	1.00		99.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.857		mg/Kg	1.00		85.7	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119659 - SW-846 3540C

LCS (B119659-BS1)

Prepared: 04/18/15 Analyzed: 04/20/15

Aroclor-1016	0.25	0.10	mg/Kg	0.250		99.8	40-140			
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		98.7	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140			
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		105	40-140			
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.853		mg/Kg	1.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.973		mg/Kg	1.00		97.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.844		mg/Kg	1.00		84.4	30-150			

LCS Dup (B119659-BSD1)

Prepared: 04/18/15 Analyzed: 04/20/15

Aroclor-1016	0.26	0.10	mg/Kg	0.250		103	40-140	3.29	30	
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		104	40-140	5.68	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140	0.163	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140	1.29	30	
Surrogate: Decachlorobiphenyl	0.991		mg/Kg	1.00		99.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.844		mg/Kg	1.00		84.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.968		mg/Kg	1.00		96.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.848		mg/Kg	1.00		84.8	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119162-BSD1 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.4	
	2	0.00	0.00	0.00	3.5	2
Aroclor-1260	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	4.1	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*Lab Sample ID: B119196-BS1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.22	7
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B119196-BSD1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.23	4
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	8

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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- O-32 A dilution was performed as part of the standard analytical procedure.
 - RL-12 Elevated reporting limit due to matrix interference.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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(602) 734-7701 (fax)

15 D 028

PROJECT NAME / FACILITY ID: SMD Inspection
PROJECT NUMBER: 04-3398 OR DATE: 04/03/2015
PROJECT LOCATION: M50

MSA#: _____ WO#: _____
FIELD PERSON: NS RS
PROJECT MANAGER: Jason Wilkinson
LABORATORY: Contest

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: _____

SAMPLE I.D. NUMBER	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (M) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS
01 040315-SM0HI-BA-R200-M010	2015	04/03	NA	NA	NA	NA	1	NA	COB		
02 -M011							1		COB		
03 -M012							1				
04 -M013							1				
05 040315-SM0HI-BA-R200-M001							1				
06 -M002							1				
07 -M003							1				
08 -M004							1				
09 -M005							1				
10 -M006							1				
10 -M006 MS							1				
10 -M006 MSD							1				
11 -M007							1				
TOTAL							13				

RELINQUISHED BY: _____	TIME/DATE: <u>4/3</u>	RECEIVED BY: _____	TIME/DATE: <u>2:00</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY 24 HOURS 48 HOURS	72 HOURS 5 DAYS NORMAL
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: <u>4/15 10:45</u>			
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
				INTACT: Y N Temp _____	INTACT: Y N	

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(213) 943-6301 (fax)

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Phoenix, AZ 85016
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(602) 734-7701 (fax)

15D0208

PROJECT NAME / FACILITY ID: SMO Inspection
PROJECT NUMBER: 04-33980 R DATE: 04/03/2015
PROJECT LOCATION: SMO
IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: _____

MSA#: _____ WO#: _____
FIELD PERSON: NS RS
PROJECT MANAGER: Jason Wilkinson
LABORATORY: Contest

	SAMPLER: SIGNATURE:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS
		2015										
12	<u>R. ...</u>							1				
13								1				
14								1				
15								1				
TOTAL		X	X	X				4				

Handwritten notes in table: 'PCB 8082', '450X extractable' written vertically in the 'ANALYSIS REQUIRED' column.

RELINQUISHED BY: <u>R</u> TIME/DATE: <u>4/3</u>	RECEIVED BY: <u>[Signature]</u> TIME/DATE: <u>2:00</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY 24 HOURS 48 HOURS	72 HOURS 5 DAYS NORMAL	
RELINQUISHED BY: TIME/DATE:	RECEIVED BY: TIME/DATE: <u>4/4/15 10:45</u>				
RELINQUISHED BY: TIME/DATE:	RECEIVED BY: TIME/DATE:	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY		
		INTACT: Y N Temp _____	INTACT: Y N		

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(602) 734-7701 (fax)

15D0208

PROJECT NAME / FACILITY ID: SMO Inspection
PROJECT NUMBER: 04-33980R DATE: 04/03/2015
PROJECT LOCATION: SMO

MSA#: _____ WO#: _____
FIELD PERSON: NS RS
PROJECT MANAGER: Jason Wilkinson
LABORATORY: Contest

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: _____

SAMPLER:	YEAR		SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS
	2015											
Signature: <u>[Signature]</u>												
16	040315-SMOHI-BA-R200-M001		04/03	NA	NA	NA	bulk	1	NA	cold		
17	- M002											
18	- M003											} MS/MSD
18	- M003 MS											
18	- M003 MSD											
19	- M004											
20	- M005											
	- M006											} MS/MSD
	- M006 MS											
	- M006 MSD											
	- M007											
	- M008											
	- M009											
	TOTAL			X	X	X		13				

RELINQUISHED BY: _____	TIME/DATE: <u>4/3</u>	RECEIVED BY: <u>[Signature]</u>	TIME/DATE: <u>4/15/15 2:00</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____		24 HOURS	5 DAYS
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
				INTACT: Y N Temp _____	INTACT: Y N	



FedEx® Tracking

780450137414

Ship (P/U) date :
Fri 4/03/2015 5:09 pm

Actual delivery :
Sat 4/04/2015 10:45 am

IRVINE, CA US



Delivered

Signed for by: J.MJM M

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
4/04/2015 - Saturday		
10:45 am	Delivered	EAST LONGMEADOW, MA
7:54 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:48 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	EAST GRANBY, CT
3:38 am	Departed FedEx location	MEMPHIS, TN
1:36 am	Arrived at FedEx location	MEMPHIS, TN
4/03/2015 - Friday		
7:09 pm	Shipment information sent to FedEx	
6:15 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:09 pm	Picked up	SANTA MONICA, CA
	Tendered at FedEx Office	

Shipment Facts

Tracking number	780450137414	Service	FedEx Priority Overnight
Weight	39 lbs / 17.69 kgs	Dimensions	24x14x14 in.
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	39 lbs / 17.69 kgs	Packaging	Your Packaging
Special handling section	For Saturday Delivery, Direct Signature Required, Additional Handling Surcharge		



Customer Focus
New Customer Center
Small Business Center
Service Guide
Customer Support

Featured Services
FedEx One Rate
FedEx SameDay
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Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: MJ DATE: 4/4/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain: _____
- 3) Are all the samples in good condition? Yes No
 If not, explain: _____

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

- 5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

- 8) Do all samples have the proper Acid pH: Yes No N/A
- 9) Do all samples have the proper Base pH: Yes No N/A
- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz amber/clear jar	
500 mL Amber			4 oz <input checked="" type="radio"/> amber/clear jar	24
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Plastic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			Non-ConTest Container	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____ # Bisulfate _____ # DI Water _____ # Thiosulfate _____ Unpreserved _____	Time and Date Frozen: _____
--	-----------------------------

Log-in Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials:

Date/Time:

Date/Time:

MS

4/14/15 10:45

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0209

Enclosed are results of analyses for samples received by the laboratory on April 4, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886
ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0209

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040315-SMOHI-BA-R200-M006	15D0209-01	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R200-M007	15D0209-02	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R200-M008	15D0209-03	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R200-M009	15D0209-04	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:

O-32

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

15D0209-01[040315-SMOHI-BA-R200-M006]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0209-04[040315-SMOHI-BA-R200-M009]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0209

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M006

Sampled: 4/3/2015 00:00

Sample ID: 15D0209-01

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:25	JMB
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:25	JMB
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:25	JMB
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:25	JMB
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:25	JMB
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:25	JMB
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:25	JMB
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:25	JMB
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:25	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:25	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					4/23/15 18:25	
Decachlorobiphenyl [2]		96.0	30-150					4/23/15 18:25	
Tetrachloro-m-xylene [1]		104	30-150					4/23/15 18:25	
Tetrachloro-m-xylene [2]		99.1	30-150					4/23/15 18:25	

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Project Location: SMO

Sample Description:

Work Order: 15D0209

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M007

Sampled: 4/3/2015 00:00

Sample ID: 15D0209-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:40	JMB
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:40	JMB
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:40	JMB
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:40	JMB
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:40	JMB
Aroclor-1254 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:40	JMB
Aroclor-1260 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:40	JMB
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:40	JMB
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:40	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:40	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					4/23/15 13:40	
Decachlorobiphenyl [2]		90.5	30-150					4/23/15 13:40	
Tetrachloro-m-xylene [1]		93.6	30-150					4/23/15 13:40	
Tetrachloro-m-xylene [2]		85.2	30-150					4/23/15 13:40	

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Project Location: SMO

Sample Description:

Work Order: 15D0209

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M008

Sampled: 4/3/2015 00:00

Sample ID: 15D0209-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:53	JMB
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:53	JMB
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:53	JMB
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:53	JMB
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:53	JMB
Aroclor-1254 [2]	0.54	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:53	JMB
Aroclor-1260 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:53	JMB
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:53	JMB
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:53	JMB
	0.54		mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 13:53	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					4/23/15 13:53	
Decachlorobiphenyl [2]		92.7	30-150					4/23/15 13:53	
Tetrachloro-m-xylene [1]		96.7	30-150					4/23/15 13:53	
Tetrachloro-m-xylene [2]		88.4	30-150					4/23/15 13:53	

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Project Location: SMO

Sample Description:

Work Order: 15D0209

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R200-M009

Sampled: 4/3/2015 00:00

Sample ID: 15D0209-04

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:39	KAL
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:39	KAL
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:39	KAL
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:39	KAL
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:39	KAL
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:39	KAL
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:39	KAL
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:39	KAL
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:39	KAL
		0.0	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		116	30-150					4/21/15 3:39	
Decachlorobiphenyl [2]		104	30-150					4/21/15 3:39	
Tetrachloro-m-xylene [1]		112	30-150					4/21/15 3:39	
Tetrachloro-m-xylene [2]		100	30-150					4/21/15 3:39	

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Sample Extraction Data**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0209-01 [040315-SMOHI-BA-R200-M006]	B119464	0.537	10.0	04/16/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0209-02 [040315-SMOHI-BA-R200-M007]	B119204	0.219	10.0	04/13/15
15D0209-03 [040315-SMOHI-BA-R200-M008]	B119204	0.218	10.0	04/13/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0209-04 [040315-SMOHI-BA-R200-M009]	B119196	2.05	10.0	04/13/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119196 - SW-846 3540C										
Blank (B119196-BLK1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.933		mg/Kg	1.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.853		mg/Kg	1.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.782		mg/Kg	1.00		78.2	30-150			
LCS (B119196-BS1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	0.24	0.10	mg/Kg	0.250		94.0	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg	0.250		87.2	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.956		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.891		mg/Kg	1.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.817		mg/Kg	1.00		81.7	30-150			
LCS Dup (B119196-BSD1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	0.24	0.10	mg/Kg	0.250		95.7	40-140	1.76	30	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		91.4	40-140	4.75	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		104	40-140	0.296	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140	0.322	30	
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.874		mg/Kg	1.00		87.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B119204 - SW-846 3540C

Blank (B119204-BLK1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	10.4		mg/Kg	10.0		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.09		mg/Kg	10.0		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	9.93		mg/Kg	10.0		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.70		mg/Kg	10.0		87.0	30-150			

LCS (B119204-BS1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		104	40-140			
Aroclor-1260	2.6	0.50	mg/Kg	2.50		103	40-140			
Aroclor-1260 [2C]	2.7	0.50	mg/Kg	2.50		109	40-140			
Surrogate: Decachlorobiphenyl	10.2		mg/Kg	10.0		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.95		mg/Kg	10.0		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	9.41		mg/Kg	10.0		94.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.31		mg/Kg	10.0		83.1	30-150			

LCS Dup (B119204-BSD1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140	0.369	30	
Aroclor-1016 [2C]	2.7	0.50	mg/Kg	2.50		107	40-140	3.07	30	
Aroclor-1260	2.8	0.50	mg/Kg	2.50		112	40-140	8.25	30	
Aroclor-1260 [2C]	3.0	0.50	mg/Kg	2.50		119	40-140	9.04	30	
Surrogate: Decachlorobiphenyl	10.8		mg/Kg	10.0		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.56		mg/Kg	10.0		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	10.3		mg/Kg	10.0		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.18		mg/Kg	10.0		91.8	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119464 - SW-846 3540C										
Blank (B119464-BLK1)										
Prepared: 04/16/15 Analyzed: 04/23/15										
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	4.08		mg/Kg	4.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.62		mg/Kg	4.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	3.81		mg/Kg	4.00		95.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.45		mg/Kg	4.00		86.1	30-150			
LCS (B119464-BS1)										
Prepared: 04/16/15 Analyzed: 04/23/15										
Aroclor-1016	4.0	0.20	mg/Kg	4.00		99.8	40-140			
Aroclor-1016 [2C]	4.0	0.20	mg/Kg	4.00		101	40-140			
Aroclor-1260	4.2	0.20	mg/Kg	4.00		104	40-140			
Aroclor-1260 [2C]	4.3	0.20	mg/Kg	4.00		108	40-140			
Surrogate: Decachlorobiphenyl	4.37		mg/Kg	4.00		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.88		mg/Kg	4.00		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	4.04		mg/Kg	4.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.64		mg/Kg	4.00		90.9	30-150			
LCS Dup (B119464-BSD1)										
Prepared: 04/16/15 Analyzed: 04/23/15										
Aroclor-1016	3.9	0.20	mg/Kg	4.00		97.1	40-140	2.75	30	
Aroclor-1016 [2C]	3.9	0.20	mg/Kg	4.00		98.2	40-140	2.74	30	
Aroclor-1260	4.0	0.20	mg/Kg	4.00		99.7	40-140	4.58	30	
Aroclor-1260 [2C]	4.1	0.20	mg/Kg	4.00		103	40-140	4.47	30	
Surrogate: Decachlorobiphenyl	4.18		mg/Kg	4.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.70		mg/Kg	4.00		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	3.95		mg/Kg	4.00		98.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.54		mg/Kg	4.00		88.5	30-150			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B119464 - SW-846 3540C

Matrix Spike (B119464-MS1)

Source: 15D0209-01

Prepared: 04/16/15 Analyzed: 04/23/15

Aroclor-1016	3.8	0.78	mg/Kg	3.88	ND	97.7	40-140			
Aroclor-1016 [2C]	4.1	0.78	mg/Kg	3.88	ND	106	40-140			
Aroclor-1260	4.0	0.78	mg/Kg	3.88	ND	102	40-140			
Aroclor-1260 [2C]	4.3	0.78	mg/Kg	3.88	ND	112	40-140			
Surrogate: Decachlorobiphenyl	3.90		mg/Kg	3.88		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.72		mg/Kg	3.88		96.0	30-150			
Surrogate: Tetrachloro-m-xylene	4.08		mg/Kg	3.88		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.90		mg/Kg	3.88		101	30-150			

Matrix Spike Dup (B119464-MSD1)

Source: 15D0209-01

Prepared: 04/16/15 Analyzed: 04/23/15

Aroclor-1016	3.8	0.76	mg/Kg	3.82	ND	100	40-140	0.776	50	
Aroclor-1016 [2C]	4.1	0.76	mg/Kg	3.82	ND	108	40-140	0.200	50	
Aroclor-1260	4.4	0.76	mg/Kg	3.82	ND	115	40-140	10.0	50	
Aroclor-1260 [2C]	4.6	0.76	mg/Kg	3.82	ND	122	40-140	7.10	50	
Surrogate: Decachlorobiphenyl	4.15		mg/Kg	3.82		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.78		mg/Kg	3.82		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	4.19		mg/Kg	3.82		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.98		mg/Kg	3.82		104	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B119196-BS1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.22	7
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B119196-BSD1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.23	4
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B119204-BS1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	2.6	7
Aroclor-1260	1	0.00	0.00	0.00	2.6	
	2	0.00	0.00	0.00	2.7	5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119204-BSD1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	2.7	4
Aroclor-1260	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	3.0	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119464-BS1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	4.0	0
Aroclor-1260	1	0.00	0.00	0.00	4.2	
	2	0.00	0.00	0.00	4.3	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B119464-BSD1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.9	
	2	0.00	0.00	0.00	3.9	1
Aroclor-1260	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	4.1	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike

Lab Sample ID: B119464-MS1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.8	
	2	0.00	0.00	0.00	4.1	8
Aroclor-1260	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	4.3	8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B119464-MSD1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.8	
	2	0.00	0.00	0.00	4.1	7
Aroclor-1260	1	0.00	0.00	0.00	4.4	
	2	0.00	0.00	0.00	4.6	5

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- O-32 A dilution was performed as part of the standard analytical procedure.
 - RL-12 Elevated reporting limit due to matrix interference.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

ISD 0209

PROJECT NAME / FACILITY ID: SMO Inspection
PROJECT NUMBER: 04-33980R DATE: 04/03/2015
PROJECT LOCATION: SMO
IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: _____

MSA#: _____ WO#: _____
FIELD PERSON: NS RS
PROJECT MANAGER: Jason Wilkinson
LABORATORY: Contest

SAMPLER: <u>R. Saylor</u>		YEAR <u>2015</u>		SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED <u>Asb PbBa</u> <u>1/50X extract</u>								COMMENTS		
SIGNATURE: <u>R. Saylor</u>																						
SAMPLE I.D. NUMBER																						
<u>040315-SMOHI-BA-R000-M001</u>				<u>04/03</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>LiK</u>	<u>1</u>	<u>NA</u>	<u>cold</u>											
	<u>- M002</u>																					
	<u>- M003</u>																					
	<u>- M003 MS</u>																				} MS/MSD	
	<u>- M003 MSD</u>																					
	<u>- M004</u>																					
	<u>- M005</u>																					
	<u>- M006</u>																					} MS/MSD
	<u>- M006 MS</u>																					
	<u>- M006 MSD</u>																					
	<u>- M007</u>																					
	<u>- M008</u>																					
	<u>- M009</u>																					
TOTAL				<u>X</u>	<u>X</u>	<u>X</u>			<u>13</u>													

RELINQUISHED BY: _____	TIME/DATE: <u>4/3</u>	RECEIVED BY: <u>[Signature]</u>	TIME/DATE: <u>4/15/2015</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____		24 HOURS	5 DAYS
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
				INTACT: Y N Temp _____	INTACT: Y N	

U = UNKNOWN; NO = NONE; O = OTHER
S = H2SO4; N = HNO3; H = HCL

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FedEx® Tracking

780450137414

Ship (P/U) date :
Fri 4/03/2015 5:09 pm

Actual delivery :
Sat 4/04/2015 10:45 am



Delivered

Signed for by: J.MJM M

IRVINE, CA US

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
4/04/2015 - Saturday		
10:45 am	Delivered	EAST LONGMEADOW, MA
7:54 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:48 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	EAST GRANBY, CT
3:38 am	Departed FedEx location	MEMPHIS, TN
1:36 am	Arrived at FedEx location	MEMPHIS, TN
4/03/2015 - Friday		
7:09 pm	Shipment information sent to FedEx	
6:15 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:09 pm	Picked up	SANTA MONICA, CA
	Tendered at FedEx Office	

Shipment Facts

Tracking number	780450137414	Service	FedEx Priority Overnight
Weight	39 lbs / 17.69 kgs	Dimensions	24x14x14 in.
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	39 lbs / 17.69 kgs	Packaging	Your Packaging
Special handling section	For Saturday Delivery, Direct Signature Required, Additional Handling Surcharge		



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 Small Business Center
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 FedEx SameDay
 FedEx Home Delivery
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 Online Retail Solutions
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 Ancillary Clearance Services

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 FedEx Express
 FedEx Ground
 FedEx Office
 FedEx Freight
 FedEx Custom Critical
 FedEx Trade Networks
 FedEx SupplyChain
 FedEx TechConnect

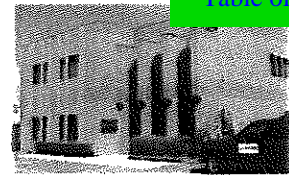
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 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: MJ DATE: 4/14/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain: _____
- 3) Are all the samples in good condition? Yes No
 If not, explain: _____

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A
 Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

- 5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

- 8) Do all samples have the proper Acid pH: Yes No N/A _____
- 9) Do all samples have the proper Base pH: Yes No N/A _____
- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz amber/clear jar	
500 mL Amber			4 oz <input checked="" type="radio"/> amber/clear jar	6
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Plastic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			Non-ConTest Container	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____
 Time and Date Frozen: _____

Doc# 277

Rev. 4 August 2013

Login Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials:

Date/Time:

Date/Time:

MS

4/4/15 10:45

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0210

Enclosed are results of analyses for samples received by the laboratory on April 4, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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15D0210-01	6
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15D0210-03	8
15D0210-04	9
15D0210-05	10
15D0210-06	11
15D0210-07	12
15D0210-08	13
15D0210-09	14
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040215-SMOHI-BA-R108-M010	15D0210-01	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M011	15D0210-02	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M012	15D0210-03	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M013	15D0210-04	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M014	15D0210-05	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R219-M001	15D0210-06	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R219-M002	15D0210-07	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R213-M001	15D0210-08	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R213-M002	15D0210-09	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R213-M003	15D0210-10	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R213-M004	15D0210-11	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R206B-M001	15D0210-12	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R206B-M002	15D0210-13	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R206B-M003	15D0210-14	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R206B-M004	15D0210-15	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R206B-M005	15D0210-16	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R206B-M007	15D0210-17	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208B-M001	15D0210-18	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208B-M002	15D0210-19	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208B-M003	15D0210-20	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:**P-01**

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:**Aroclor-1254 [2C]**

15D0210-02[040215-SMOHI-BA-R108-M011], 15D0210-04[040215-SMOHI-BA-R108-M013]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0210-15[040315-SMOHI-BA-R206B-M004], 15D0210-16[040315-SMOHI-BA-R206B-M005], 15D0210-17[040315-SMOHI-BA-R206B-M007], 15D0210-19[040315-SMOHI-BA-R208B-M002], 15D0210-20[040315-SMOHI-BA-R208B-M003]

S-27

Surrogate recovery is outside of control limits due to the multiple extraction clean-ups required for analysis.

Analyte & Samples(s) Qualified:**Tetrachloro-m-xylene**

15D0210-19[040315-SMOHI-BA-R208B-M002]

Tetrachloro-m-xylene [2C]

15D0210-19[040315-SMOHI-BA-R208B-M002]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M010

Sampled: 4/2/2015 00:00

Sample ID: 15D0210-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:35	PJG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:35	PJG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:35	PJG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:35	PJG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:35	PJG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:35	PJG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:35	PJG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:35	PJG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:35	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:35	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.2	30-150					4/14/15 6:35	
Decachlorobiphenyl [2]		97.2	30-150					4/14/15 6:35	
Tetrachloro-m-xylene [1]		98.8	30-150					4/14/15 6:35	
Tetrachloro-m-xylene [2]		100	30-150					4/14/15 6:35	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M011

Sampled: 4/2/2015 00:00

Sample ID: 15D0210-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:48	PJG
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:48	PJG
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:48	PJG
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:48	PJG
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:48	PJG
Aroclor-1254 [2]	0.18	0.090	mg/Kg	1	P-01	SW-846 8082A	4/9/15	4/14/15 6:48	PJG
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:48	PJG
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:48	PJG
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:48	PJG
	0.18		mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 6:48	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					4/14/15 6:48	
Decachlorobiphenyl [2]		101	30-150					4/14/15 6:48	
Tetrachloro-m-xylene [1]		99.2	30-150					4/14/15 6:48	
Tetrachloro-m-xylene [2]		101	30-150					4/14/15 6:48	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M012

Sampled: 4/2/2015 00:00

Sample ID: 15D0210-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:00	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:00	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:00	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:00	PJG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:00	PJG
Aroclor-1254 [2]	0.21	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:00	PJG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:00	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:00	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:00	PJG
	0.21		mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:00	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.9	30-150					4/14/15 7:00	
Decachlorobiphenyl [2]		98.0	30-150					4/14/15 7:00	
Tetrachloro-m-xylene [1]		96.9	30-150					4/14/15 7:00	
Tetrachloro-m-xylene [2]		98.6	30-150					4/14/15 7:00	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M013

Sampled: 4/2/2015 00:00

Sample ID: 15D0210-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:12	PJG
Aroclor-1221 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:12	PJG
Aroclor-1232 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:12	PJG
Aroclor-1242 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:12	PJG
Aroclor-1248 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:12	PJG
Aroclor-1254 [2]	0.11	0.085	mg/Kg	1	P-01	SW-846 8082A	4/9/15	4/14/15 7:12	PJG
Aroclor-1260 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:12	PJG
Aroclor-1262 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:12	PJG
Aroclor-1268 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:12	PJG
	0.11		mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:12	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.2	30-150					4/14/15 7:12	
Decachlorobiphenyl [2]		96.5	30-150					4/14/15 7:12	
Tetrachloro-m-xylene [1]		99.0	30-150					4/14/15 7:12	
Tetrachloro-m-xylene [2]		101	30-150					4/14/15 7:12	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M014

Sampled: 4/2/2015 00:00

Sample ID: 15D0210-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:25	PJG
Aroclor-1221 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:25	PJG
Aroclor-1232 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:25	PJG
Aroclor-1242 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:25	PJG
Aroclor-1248 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:25	PJG
Aroclor-1254 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:25	PJG
Aroclor-1260 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:25	PJG
Aroclor-1262 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:25	PJG
Aroclor-1268 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:25	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 7:25	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					4/14/15 7:25	
Decachlorobiphenyl [2]		104	30-150					4/14/15 7:25	
Tetrachloro-m-xylene [1]		105	30-150					4/14/15 7:25	
Tetrachloro-m-xylene [2]		107	30-150					4/14/15 7:25	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R219-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0210-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:22	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:22	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:22	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:22	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:22	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:22	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:22	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:22	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:22	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:22	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.9	30-150					4/15/15 19:22	
Decachlorobiphenyl [2]		95.0	30-150					4/15/15 19:22	
Tetrachloro-m-xylene [1]		93.4	30-150					4/15/15 19:22	
Tetrachloro-m-xylene [2]		94.7	30-150					4/15/15 19:22	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R219-M002

Sampled: 4/2/2015 00:00

Sample ID: 15D0210-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:34	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:34	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:34	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:34	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:34	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:34	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:34	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:34	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:34	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.2	30-150					4/15/15 19:34	
Decachlorobiphenyl [2]		75.7	30-150					4/15/15 19:34	
Tetrachloro-m-xylene [1]		82.2	30-150					4/15/15 19:34	
Tetrachloro-m-xylene [2]		84.9	30-150					4/15/15 19:34	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R213-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0210-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 8:01	PJG
Aroclor-1221 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 8:01	PJG
Aroclor-1232 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 8:01	PJG
Aroclor-1242 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 8:01	PJG
Aroclor-1248 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 8:01	PJG
Aroclor-1254 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 8:01	PJG
Aroclor-1260 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 8:01	PJG
Aroclor-1262 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 8:01	PJG
Aroclor-1268 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 8:01	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 8:01	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.1	30-150					4/14/15 8:01	
Decachlorobiphenyl [2]		80.6	30-150					4/14/15 8:01	
Tetrachloro-m-xylene [1]		83.0	30-150					4/14/15 8:01	
Tetrachloro-m-xylene [2]		82.3	30-150					4/14/15 8:01	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R213-M002

Sampled: 4/2/2015 00:00

Sample ID: 15D0210-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:10	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:10	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:10	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:10	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:10	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:10	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:10	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:10	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:10	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/15/15 19:10	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		53.4	30-150					4/15/15 19:10	
Decachlorobiphenyl [2]		56.1	30-150					4/15/15 19:10	
Tetrachloro-m-xylene [1]		50.0	30-150					4/15/15 19:10	
Tetrachloro-m-xylene [2]		52.0	30-150					4/15/15 19:10	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R213-M003

Sampled: 4/2/2015 00:00

Sample ID: 15D0210-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:38	PJG
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:38	PJG
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:38	PJG
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:38	PJG
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:38	PJG
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:38	PJG
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:38	PJG
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:38	PJG
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:38	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:38	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		35.4	30-150					4/13/15 23:38	
Decachlorobiphenyl [2]		37.1	30-150					4/13/15 23:38	
Tetrachloro-m-xylene [1]		40.8	30-150					4/13/15 23:38	
Tetrachloro-m-xylene [2]		40.5	30-150					4/13/15 23:38	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R213-M004

Sampled: 4/2/2015 00:00

Sample ID: 15D0210-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:47	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:47	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:47	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:47	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:47	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:47	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:47	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:47	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:47	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/9/15	4/15/15 19:47	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.0	30-150					4/15/15 19:47	
Decachlorobiphenyl [2]		78.6	30-150					4/15/15 19:47	
Tetrachloro-m-xylene [1]		76.1	30-150					4/15/15 19:47	
Tetrachloro-m-xylene [2]		76.3	30-150					4/15/15 19:47	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R206B-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0210-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:50	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:50	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:50	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:50	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:50	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:50	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:50	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:50	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:50	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/13/15 23:50	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.1	30-150					4/13/15 23:50	
Decachlorobiphenyl [2]		76.7	30-150					4/13/15 23:50	
Tetrachloro-m-xylene [1]		72.8	30-150					4/13/15 23:50	
Tetrachloro-m-xylene [2]		74.2	30-150					4/13/15 23:50	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R206B-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0210-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:03	PJG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:03	PJG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:03	PJG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:03	PJG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:03	PJG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:03	PJG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:03	PJG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:03	PJG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:03	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:03	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.2	30-150					4/14/15 0:03	
Decachlorobiphenyl [2]		90.8	30-150					4/14/15 0:03	
Tetrachloro-m-xylene [1]		82.4	30-150					4/14/15 0:03	
Tetrachloro-m-xylene [2]		84.0	30-150					4/14/15 0:03	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R206B-M003

Sampled: 4/3/2015 00:00

Sample ID: 15D0210-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:57	KAL
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:57	KAL
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:57	KAL
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:57	KAL
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:57	KAL
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:57	KAL
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:57	KAL
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:57	KAL
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:57	KAL
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 3:57	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	111	30-150						4/21/15 3:57	
Decachlorobiphenyl [2]	97.9	30-150						4/21/15 3:57	
Tetrachloro-m-xylene [1]	113	30-150						4/21/15 3:57	
Tetrachloro-m-xylene [2]	99.2	30-150						4/21/15 3:57	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R206B-M004

Sampled: 4/3/2015 00:00

Sample ID: 15D0210-15

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 4:14	KAL
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 4:14	KAL
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 4:14	KAL
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 4:14	KAL
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 4:14	KAL
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 4:14	KAL
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 4:14	KAL
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 4:14	KAL
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 4:14	KAL
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 4:14	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	105	30-150						4/21/15 4:14	
Decachlorobiphenyl [2]	91.5	30-150						4/21/15 4:14	
Tetrachloro-m-xylene [1]	89.1	30-150						4/21/15 4:14	
Tetrachloro-m-xylene [2]	78.1	30-150						4/21/15 4:14	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R206B-M005

Sampled: 4/3/2015 00:00

Sample ID: 15D0210-16

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:03	KAL
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:03	KAL
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:03	KAL
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:03	KAL
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:03	KAL
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:03	KAL
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:03	KAL
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:03	KAL
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:03	KAL
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		111	30-150					4/21/15 5:03	
Decachlorobiphenyl [2]		97.5	30-150					4/21/15 5:03	
Tetrachloro-m-xylene [1]		115	30-150					4/21/15 5:03	
Tetrachloro-m-xylene [2]		102	30-150					4/21/15 5:03	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R206B-M007

Sampled: 4/3/2015 00:00

Sample ID: 15D0210-17

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/13/15	4/22/15 13:55	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/13/15	4/22/15 13:55	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/13/15	4/22/15 13:55	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/13/15	4/22/15 13:55	KAL
Aroclor-1248 [2]	ND	0.48	mg/Kg	5		SW-846 8082A	4/13/15	4/22/15 13:55	KAL
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/13/15	4/22/15 13:55	KAL
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/13/15	4/22/15 13:55	KAL
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/13/15	4/22/15 13:55	KAL
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/13/15	4/22/15 13:55	KAL
	0.0		mg/Kg	5		SW-846 8082A	4/13/15	4/22/15 13:55	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.5	30-150					4/22/15 13:55	
Decachlorobiphenyl [2]		80.0	30-150					4/22/15 13:55	
Tetrachloro-m-xylene [1]		68.0	30-150					4/22/15 13:55	
Tetrachloro-m-xylene [2]		70.8	30-150					4/22/15 13:55	

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Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208B-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0210-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:15	PJG
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:15	PJG
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:15	PJG
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:15	PJG
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:15	PJG
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:15	PJG
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:15	PJG
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:15	PJG
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:15	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:15	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.1	30-150					4/14/15 0:15	
Decachlorobiphenyl [2]		90.9	30-150					4/14/15 0:15	
Tetrachloro-m-xylene [1]		82.0	30-150					4/14/15 0:15	
Tetrachloro-m-xylene [2]		83.6	30-150					4/14/15 0:15	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208B-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0210-19

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:36	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:36	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:36	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:36	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:36	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:36	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:36	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:36	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:36	JMB
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/19/15 12:36	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	73.0		30-150			4/19/15 12:36			
Decachlorobiphenyl [2]	73.2		30-150			4/19/15 12:36			
Tetrachloro-m-xylene [1]	21.2	*	30-150		S-27	4/19/15 12:36			
Tetrachloro-m-xylene [2]	23.5	*	30-150		S-27	4/19/15 12:36			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0210

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208B-M003

Sampled: 4/3/2015 00:00

Sample ID: 15D0210-20

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:38	KAL
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:38	KAL
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:38	KAL
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:38	KAL
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:38	KAL
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:38	KAL
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:38	KAL
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:38	KAL
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:38	KAL
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		126	30-150					4/21/15 5:38	
Decachlorobiphenyl [2]		112	30-150					4/21/15 5:38	
Tetrachloro-m-xylene [1]		121	30-150					4/21/15 5:38	
Tetrachloro-m-xylene [2]		108	30-150					4/21/15 5:38	

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0210-09 [040215-SMOHI-BA-R213-M002]	B118719	2.07	10.0	04/07/15
15D0210-10 [040215-SMOHI-BA-R213-M003]	B118719	2.18	10.0	04/07/15
15D0210-12 [040315-SMOHI-BA-R206B-M001]	B118719	2.01	10.0	04/07/15
15D0210-13 [040315-SMOHI-BA-R206B-M002]	B118719	2.03	10.0	04/07/15
15D0210-18 [040315-SMOHI-BA-R208B-M001]	B118719	2.13	10.0	04/07/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0210-01 [040215-SMOHI-BA-R108-M010]	B118872	2.03	10.0	04/09/15
15D0210-02 [040215-SMOHI-BA-R108-M011]	B118872	2.23	10.0	04/09/15
15D0210-03 [040215-SMOHI-BA-R108-M012]	B118872	2.05	10.0	04/09/15
15D0210-04 [040215-SMOHI-BA-R108-M013]	B118872	2.35	10.0	04/09/15
15D0210-05 [040215-SMOHI-BA-R108-M014]	B118872	2.41	10.0	04/09/15
15D0210-06 [040215-SMOHI-BA-R219-M001]	B118872	2.17	10.0	04/09/15
15D0210-07 [040215-SMOHI-BA-R219-M002]	B118872	2.05	10.0	04/09/15
15D0210-08 [040215-SMOHI-BA-R213-M001]	B118872	2.40	10.0	04/09/15
15D0210-11 [040215-SMOHI-BA-R213-M004]	B118872	2.06	10.0	04/09/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0210-14 [040315-SMOHI-BA-R206B-M003]	B119196	2.04	10.0	04/13/15
15D0210-15 [040315-SMOHI-BA-R206B-M004]	B119196	2.02	10.0	04/13/15
15D0210-16 [040315-SMOHI-BA-R206B-M005]	B119196	2.05	10.0	04/13/15
15D0210-17 [040315-SMOHI-BA-R206B-M007]	B119196	2.07	10.0	04/13/15
15D0210-19 [040315-SMOHI-BA-R208B-M002]	B119196	2.04	10.0	04/13/15
15D0210-20 [040315-SMOHI-BA-R208B-M003]	B119196	2.08	10.0	04/13/15

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118719 - SW-846 3540C

Blank (B118719-BLK1)

Prepared: 04/07/15 Analyzed: 04/13/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.931		mg/Kg	1.00		93.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.889		mg/Kg	1.00		88.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.828		mg/Kg	1.00		82.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.847		mg/Kg	1.00		84.7	30-150			

LCS (B118719-BS1)

Prepared: 04/07/15 Analyzed: 04/13/15

Aroclor-1016	0.25	0.10	mg/Kg	0.250		100	40-140			
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		101	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		106	40-140			
Surrogate: Decachlorobiphenyl	0.995		mg/Kg	1.00		99.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.951		mg/Kg	1.00		95.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.862		mg/Kg	1.00		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.880		mg/Kg	1.00		88.0	30-150			

LCS Dup (B118719-BSD1)

Prepared: 04/07/15 Analyzed: 04/13/15

Aroclor-1016	0.25	0.10	mg/Kg	0.250		99.8	40-140	0.350	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		101	40-140	0.0535	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		106	40-140	0.127	30	
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		106	40-140	0.363	30	
Surrogate: Decachlorobiphenyl	0.979		mg/Kg	1.00		97.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.938		mg/Kg	1.00		93.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.864		mg/Kg	1.00		86.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.882		mg/Kg	1.00		88.2	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B118872 - SW-846 3540C										
Blank (B118872-BLK1)										
Prepared: 04/09/15 Analyzed: 04/14/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.950		mg/Kg	1.00		95.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.966		mg/Kg	1.00		96.6	30-150			
LCS (B118872-BS1)										
Prepared: 04/09/15 Analyzed: 04/14/15										
Aroclor-1016	0.28	0.10	mg/Kg	0.250		113	40-140			
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140			
Aroclor-1260	0.29	0.10	mg/Kg	0.250		114	40-140			
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		114	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.984		mg/Kg	1.00		98.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.00		mg/Kg	1.00		100	30-150			
LCS Dup (B118872-BSD1)										
Prepared: 04/09/15 Analyzed: 04/14/15										
Aroclor-1016	0.29	0.10	mg/Kg	0.250		115	40-140	1.45	30	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		114	40-140	1.30	30	
Aroclor-1260	0.29	0.10	mg/Kg	0.250		116	40-140	1.25	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		116	40-140	1.33	30	
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.988		mg/Kg	1.00		98.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.00		mg/Kg	1.00		100	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119196 - SW-846 3540C										
Blank (B119196-BLK1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.933		mg/Kg	1.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.853		mg/Kg	1.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.782		mg/Kg	1.00		78.2	30-150			
LCS (B119196-BS1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	0.24	0.10	mg/Kg	0.250		94.0	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg	0.250		87.2	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.956		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.891		mg/Kg	1.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.817		mg/Kg	1.00		81.7	30-150			
LCS Dup (B119196-BSD1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	0.24	0.10	mg/Kg	0.250		95.7	40-140	1.76	30	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		91.4	40-140	4.75	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		104	40-140	0.296	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140	0.322	30	
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.874		mg/Kg	1.00		87.4	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

040215-SMOHI-BA-R108-M012

SW-846 8082A

Lab Sample ID: 15D0210-03 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.16	
	2	0.00	0.00	0.00	0.21	26.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B118719-BS1 Date(s) Analyzed: 04/13/2015 04/13/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.25	0
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.27	2

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B118719-BSD1 Date(s) Analyzed: 04/13/2015 04/13/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.25	0
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.26	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B118872-BS1 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.28	1
Aroclor-1260	1	0.00	0.00	0.00	0.29	
	2	0.00	0.00	0.00	0.29	1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B118872-BSD1 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.29	
	2	0.00	0.00	0.00	0.29	1
Aroclor-1260	1	0.00	0.00	0.00	0.29	
	2	0.00	0.00	0.00	0.29	0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119196-BS1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.22	7
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	8

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES
SW-846 8082A

LCS Dup

Lab Sample ID: B119196-BSD1 Date(s) Analyzed: 04/18/2015 04/18/2015
 Instrument ID (1): _____ Instrument ID (2): _____
 GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.23	4
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	8

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- P-01 Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
 - RL-12 Elevated reporting limit due to matrix interference.
 - S-27 Surrogate recovery is outside of control limits due to the multiple extraction clean-ups required for analysis.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015



CHAIN-of-CUSTODY

No 11248

18100 Von Karman Ave., Suite 600
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(949) 261-6202 (fax)

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(213) 943-6300
(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

15D0210

PROJECT NAME / FACILITY ID: SNO Inspection

MSA#: _____ WO#: _____

PROJECT NUMBER: 0433980R DATE: 04/02/2015

FIELD PERSON: DC, GT

PROJECT LOCATION: SNO

PROJECT MANAGER: Jason Wilkinson

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: Excel, PDF

LABORATORY: Conest

	SAMPLER:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS
	GT	2015										
	SIGNATURE: <u>Jason Wilkinson</u>											
01	040215-SNOI-BA-R108-M00	0402	NA	NA	NA	NA	1	NA	col'd	X	X	
02	-M011											
03	-M012											
04	-M013											
05	↓ -M014											
06	040215-SNOI-BA-R219-M001											
07	↓ -M002											
08	040215-SNOI-BA-R213-M001											
09	-M002											
10	-M003											
11	↓ -M004											
	TOTAL	X	X	X								

S = H₂O; N = NONE; U = UNKNOWN; O = OTHER

RELINQUISHED BY: _____	TIME/DATE: <u>4/3</u>	RECEIVED BY: _____	TIME/DATE: <u>4/4/15</u>
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: <u>2:35</u>
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____

TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
	24 HOURS	5 DAYS
	48 HOURS	<u>NORMAL</u>
SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
INTACT: Y N Temp _____	INTACT: Y N	

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(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

15DOZIO

PROJECT NAME / FACILITY ID: SMO Inspection

MSA#: _____ WO#: _____

PROJECT NUMBER: 0433980R DATE: 04/03/2015

FIELD PERSON: SY, RB

PROJECT LOCATION: SMO

PROJECT MANAGER: Jason Wilkinson

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF + Excel

LABORATORY: Comtest

SAMPLER: <u>SY 12</u>	YEAR: <u>2015</u>	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS
	PCB 80P2									SO ₄ Extractive		
SIGNATURE:												
SAMPLE I.D. NUMBER												
12 <u>040315-SMOHI-BA-R206B-Mod</u>		<u>0403</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>1</u>	<u>NA</u>	<u>Cold</u>	<u>X</u>	<u>X</u>	
13 <u>-M002</u>												
14 <u>-M003</u>												
15 <u>-M004</u>												
16 <u>-M005</u>												
17 <u>-M007</u>												<u>As SY -M006 is VOID</u>
<u>SY</u>												
TOTAL		<u>XXX</u>										

H = HCL; N = HNO₃; S = H₂SO₄; U = UNKNOWN; NO = NONE; O = OTHER

RELINQUISHED BY:	TIME/DATE: <u>4/3</u>	RECEIVED BY:	TIME/DATE: <u>4/14/15 10:45</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY 24 HOURS 48 HOURS	72 HOURS 5 DAYS <u>NORMAL</u>
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	INTACT: Y N Temp _____	INTACT: Y N	

1500210

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 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: SMO Inspection

FIELD PERSON: SY, RB

PROJECT NUMBER: 0433980R DATE: 04/03/2015

PROJECT MANAGER: Jason Wilkinson

PROJECT LOCATION: SMO

LABORATORY: Comtest

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF + Excel

SAMPLER: <u>RB</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS
	2015									PCB/PAH	SO ₂ Extraction	
SIGNATURE: <u>[Signature]</u>												
SAMPLE I.D. NUMBER												
<u>040315-SMOHI-BA-208B-M001</u>		<u>0403</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>1</u>	<u>NA</u>	<u>Cold</u>	<u>X</u>	<u>X</u>	
<u>-M002</u>												
<u>-M003</u>												
<u>-M004</u>												
<u>-M005</u>												
<u>-M006</u>												
<u>-M007</u>												
<u>-M008</u>												
<u>-M009</u>												
<u>X SY</u>												
TOTAL		<u>XXXX</u>										

RELINQUISHED BY: <u>[Signature]</u>	TIME/DATE: <u>4/3</u>	RECEIVED BY: <u>[Signature]</u>	TIME/DATE: <u>10:45 4/14/15</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:		24 HOURS	5 DAYS
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
				INTACT: Y N Temp _____	INTACT: Y N	

18
19
20

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H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER

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Ship Track Manage Learn FedEx Office®

Login

FedEx® Tracking

773289367220

Ship (P/U) date :
Fri 4/03/2015 5:11 pm

Irvine, CA US



Delivered

Signed for by: J.MJM M

Actual delivery :
Sat 4/04/2015 10:45 am

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
4/04/2015 - Saturday		
10:45 am	Delivered	EAST LONGMEADOW, MA
7:54 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:49 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	EAST GRANBY, CT
3:38 am	Departed FedEx location	MEMPHIS, TN
1:36 am	Arrived at FedEx location	MEMPHIS, TN
4/03/2015 - Friday		
6:15 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:11 pm	Picked up	SANTA MONICA, CA
	Tendered at FedEx Office	
12:41 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773289367220	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x14 in.
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	For Saturday Delivery, Additional Handling Surcharge



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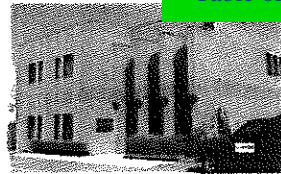
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39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: MJ DATE: 4/4/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
If not, explain:
- 3) Are all the samples in good condition? Yes No
If not, explain:

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A _____

9) Do all samples have the proper Base pH: Yes No N/A _____

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz amber/clear jar	
500 mL Amber			4 oz <u>amber</u> clear jar	<u>20</u>
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Plastic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			Non-ConTest Container	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____	Time and Date Frozen:
Doc# 277 # Bisulfate _____ # DI Water _____	
Rev. 4 August 2013 # Thiosulfate _____ Unpreserved _____	

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials:

Date/Time:

Date/Time:

MS

4/14/15 10:45

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0211

Enclosed are results of analyses for samples received by the laboratory on April 4, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0211

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040315-SMOHI-BA-R208B-M004	15D0211-01	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208B-M005	15D0211-02	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208B-M006	15D0211-03	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208B-M007	15D0211-04	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208B-M008	15D0211-05	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208B-M009	15D0211-06	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M001	15D0211-07	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M002	15D0211-08	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M003	15D0211-09	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M004	15D0211-10	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M005	15D0211-11	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M006	15D0211-12	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M007	15D0211-13	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M008	15D0211-14	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R108-M009	15D0211-15	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client and to correct Aroclor results for sample 15D0211-14, as no Aroclors were detected in this sample.

REVISED REPORT 05-01-2015: Report revised to update sample IDs per client request for 15D0211-01 through 15D0211-06.

SW-846 8082A

Qualifications:**O-32**

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

15D0211-03[040315-SMOHI-BA-R208B-M006], 15D0211-04[040315-SMOHI-BA-R208B-M007], 15D0211-05[040315-SMOHI-BA-R208B-M008],
15D0211-06[040315-SMOHI-BA-R208B-M009], 15D0211-08[040215-SMOHI-BA-R108-M002]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0211-01[040315-SMOHI-BA-R208B-M004], 15D0211-13[040215-SMOHI-BA-R108-M007], 15D0211-14[040215-SMOHI-BA-R108-M008],
15D0211-15[040215-SMOHI-BA-R108-M009]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Aroclor-1221**

B119430-BLK1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208B-M004

Sampled: 4/3/2015 00:00

Sample ID: 15D0211-01

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:56	KAL
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:56	KAL
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:56	KAL
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:56	KAL
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:56	KAL
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:56	KAL
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:56	KAL
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:56	KAL
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:56	KAL
	0.0		mg/Kg	10		SW-846 8082A	4/13/15	4/21/15 5:56	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	126	30-150						4/21/15 5:56	
Decachlorobiphenyl [2]	112	30-150						4/21/15 5:56	
Tetrachloro-m-xylene [1]	124	30-150						4/21/15 5:56	
Tetrachloro-m-xylene [2]	112	30-150						4/21/15 5:56	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208B-M005

Sampled: 4/3/2015 00:00

Sample ID: 15D0211-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:52	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:52	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:52	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:52	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:52	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:52	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:52	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:52	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:52	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 22:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.5	30-150					4/16/15 22:52	
Decachlorobiphenyl [2]		91.3	30-150					4/16/15 22:52	
Tetrachloro-m-xylene [1]		86.7	30-150					4/16/15 22:52	
Tetrachloro-m-xylene [2]		95.6	30-150					4/16/15 22:52	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208B-M006

Sampled: 4/3/2015 00:00

Sample ID: 15D0211-03

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 22:50	JMB
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 22:50	JMB
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 22:50	JMB
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 22:50	JMB
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 22:50	JMB
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 22:50	JMB
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 22:50	JMB
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 22:50	JMB
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 22:50	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 22:50	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	116	30-150	4/17/15 22:50						
Decachlorobiphenyl [2]	110	30-150	4/17/15 22:50						
Tetrachloro-m-xylene [1]	114	30-150	4/17/15 22:50						
Tetrachloro-m-xylene [2]	114	30-150	4/17/15 22:50						

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208B-M007

Sampled: 4/3/2015 00:00

Sample ID: 15D0211-04

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:03	JMB
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:03	JMB
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:03	JMB
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:03	JMB
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:03	JMB
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:03	JMB
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:03	JMB
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:03	JMB
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:03	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:03	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					4/17/15 23:03	
Decachlorobiphenyl [2]		102	30-150					4/17/15 23:03	
Tetrachloro-m-xylene [1]		104	30-150					4/17/15 23:03	
Tetrachloro-m-xylene [2]		105	30-150					4/17/15 23:03	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208B-M008

Sampled: 4/3/2015 00:00

Sample ID: 15D0211-05

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:16	JMB
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:16	JMB
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:16	JMB
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:16	JMB
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:16	JMB
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:16	JMB
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:16	JMB
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:16	JMB
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:16	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:16	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.9	30-150					4/17/15 23:16	
Decachlorobiphenyl [2]		76.0	30-150					4/17/15 23:16	
Tetrachloro-m-xylene [1]		77.1	30-150					4/17/15 23:16	
Tetrachloro-m-xylene [2]		78.9	30-150					4/17/15 23:16	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208B-M009

Sampled: 4/3/2015 00:00

Sample ID: 15D0211-06

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:29	JMB
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:29	JMB
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:29	JMB
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:29	JMB
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:29	JMB
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:29	JMB
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:29	JMB
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:29	JMB
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:29	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/13/15	4/17/15 23:29	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.2	30-150					4/17/15 23:29	
Decachlorobiphenyl [2]		83.0	30-150					4/17/15 23:29	
Tetrachloro-m-xylene [1]		69.0	30-150					4/17/15 23:29	
Tetrachloro-m-xylene [2]		70.6	30-150					4/17/15 23:29	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0211-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 21:56	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 21:56	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 21:56	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 21:56	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 21:56	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 21:56	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 21:56	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 21:56	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 21:56	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 21:56	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.1	30-150					4/14/15 21:56	
Decachlorobiphenyl [2]		88.7	30-150					4/14/15 21:56	
Tetrachloro-m-xylene [1]		88.9	30-150					4/14/15 21:56	
Tetrachloro-m-xylene [2]		91.4	30-150					4/14/15 21:56	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M002

Sampled: 4/2/2015 00:00

Sample ID: 15D0211-08

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/11/15	4/16/15 20:25	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/11/15	4/16/15 20:25	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/11/15	4/16/15 20:25	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/11/15	4/16/15 20:25	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/11/15	4/16/15 20:25	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/11/15	4/16/15 20:25	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/11/15	4/16/15 20:25	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/11/15	4/16/15 20:25	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/11/15	4/16/15 20:25	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/11/15	4/16/15 20:25	PJG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	111	30-150	4/16/15 20:25						
Decachlorobiphenyl [2]	101	30-150	4/16/15 20:25						
Tetrachloro-m-xylene [1]	108	30-150	4/16/15 20:25						
Tetrachloro-m-xylene [2]	107	30-150	4/16/15 20:25						

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M003

Sampled: 4/2/2015 00:00

Sample ID: 15D0211-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:08	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:08	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:08	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:08	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:08	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:08	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:08	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:08	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:08	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:08	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		54.7	30-150					4/14/15 22:08	
Decachlorobiphenyl [2]		56.3	30-150					4/14/15 22:08	
Tetrachloro-m-xylene [1]		56.6	30-150					4/14/15 22:08	
Tetrachloro-m-xylene [2]		58.7	30-150					4/14/15 22:08	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M004

Sampled: 4/2/2015 00:00

Sample ID: 15D0211-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:20	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:20	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:20	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:20	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:20	PJG
Aroclor-1254 [2]	0.20	0.095	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:20	PJG
Aroclor-1260 [1]	0.13	0.095	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:20	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:20	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:20	PJG
	0.33		mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:20	PJG
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	62.8	30-150						4/14/15 22:20	
Decachlorobiphenyl [2]	67.3	30-150						4/14/15 22:20	
Tetrachloro-m-xylene [1]	64.3	30-150						4/14/15 22:20	
Tetrachloro-m-xylene [2]	66.8	30-150						4/14/15 22:20	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M005

Sampled: 4/2/2015 00:00

Sample ID: 15D0211-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 2:55	KAL
Aroclor-1221 [2]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 2:55	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 2:55	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 2:55	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 2:55	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 2:55	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 2:55	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 2:55	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 2:55	KAL
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 2:55	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.9	30-150					4/18/15 2:55	
Decachlorobiphenyl [2]		74.9	30-150					4/18/15 2:55	
Tetrachloro-m-xylene [1]		83.4	30-150					4/18/15 2:55	
Tetrachloro-m-xylene [2]		85.6	30-150					4/18/15 2:55	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M006

Sampled: 4/2/2015 00:00

Sample ID: 15D0211-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:45	PJG
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:45	PJG
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:45	PJG
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:45	PJG
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:45	PJG
Aroclor-1254 [2]	0.11	0.088	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:45	PJG
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:45	PJG
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:45	PJG
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:45	PJG
	0.11		mg/Kg	1		SW-846 8082A	4/9/15	4/14/15 22:45	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		52.3	30-150					4/14/15 22:45	
Decachlorobiphenyl [2]		55.0	30-150					4/14/15 22:45	
Tetrachloro-m-xylene [1]		55.4	30-150					4/14/15 22:45	
Tetrachloro-m-xylene [2]		58.1	30-150					4/14/15 22:45	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M007

Sampled: 4/2/2015 00:00

Sample ID: 15D0211-13

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/9/15	4/14/15 22:57	PJG
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/9/15	4/14/15 22:57	PJG
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/9/15	4/14/15 22:57	PJG
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/9/15	4/14/15 22:57	PJG
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/9/15	4/14/15 22:57	PJG
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/9/15	4/14/15 22:57	PJG
Aroclor-1260 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/9/15	4/14/15 22:57	PJG
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/9/15	4/14/15 22:57	PJG
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/9/15	4/14/15 22:57	PJG
		0.0	mg/Kg	10		SW-846 8082A	4/9/15	4/14/15 22:57	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.9	30-150					4/14/15 22:57	
Decachlorobiphenyl [2]		82.4	30-150					4/14/15 22:57	
Tetrachloro-m-xylene [1]		83.5	30-150					4/14/15 22:57	
Tetrachloro-m-xylene [2]		86.0	30-150					4/14/15 22:57	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M008

Sampled: 4/2/2015 00:00

Sample ID: 15D0211-14

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:23	PJG
Aroclor-1221 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:23	PJG
Aroclor-1232 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:23	PJG
Aroclor-1242 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:23	PJG
Aroclor-1248 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:23	PJG
Aroclor-1254 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:23	PJG
Aroclor-1260 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:23	PJG
Aroclor-1262 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:23	PJG
Aroclor-1268 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:23	PJG
		0.0	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:23	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.1	30-150					4/15/15 15:23	
Decachlorobiphenyl [2]		76.8	30-150					4/15/15 15:23	
Tetrachloro-m-xylene [1]		80.1	30-150					4/15/15 15:23	
Tetrachloro-m-xylene [2]		89.0	30-150					4/15/15 15:23	

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Project Location: SMO

Sample Description:

Work Order: 15D0211

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R108-M009

Sampled: 4/2/2015 00:00

Sample ID: 15D0211-15

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:35	PJG
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:35	PJG
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:35	PJG
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:35	PJG
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:35	PJG
Aroclor-1254 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:35	PJG
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:35	PJG
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:35	PJG
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:35	PJG
		0.0	mg/Kg	10		SW-846 8082A	4/9/15	4/15/15 15:35	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					4/15/15 15:35	
Decachlorobiphenyl [2]		101	30-150					4/15/15 15:35	
Tetrachloro-m-xylene [1]		100	30-150					4/15/15 15:35	
Tetrachloro-m-xylene [2]		110	30-150					4/15/15 15:35	

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0211-08 [040215-SMOHI-BA-R108-M002]	B119069	0.512	10.0	04/11/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0211-03 [040315-SMOHI-BA-R208B-M006]	B119162	0.537	10.0	04/13/15
15D0211-04 [040315-SMOHI-BA-R208B-M007]	B119162	0.528	10.0	04/13/15
15D0211-05 [040315-SMOHI-BA-R208B-M008]	B119162	0.522	10.0	04/13/15
15D0211-06 [040315-SMOHI-BA-R208B-M009]	B119162	0.520	10.0	04/13/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0211-07 [040215-SMOHI-BA-R108-M001]	B118976	2.00	10.0	04/09/15
15D0211-09 [040215-SMOHI-BA-R108-M003]	B118976	2.20	10.0	04/09/15
15D0211-10 [040215-SMOHI-BA-R108-M004]	B118976	2.10	10.0	04/09/15
15D0211-12 [040215-SMOHI-BA-R108-M006]	B118976	2.26	10.0	04/09/15
15D0211-13 [040215-SMOHI-BA-R108-M007]	B118976	2.14	10.0	04/09/15
15D0211-14 [040215-SMOHI-BA-R108-M008]	B118976	2.17	10.0	04/09/15
15D0211-15 [040215-SMOHI-BA-R108-M009]	B118976	2.11	10.0	04/09/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0211-01 [040315-SMOHI-BA-R208B-M004]	B119196	2.05	10.0	04/13/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0211-02 [040315-SMOHI-BA-R208B-M005]	B119350	2.23	10.0	04/15/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0211-11RE1 [040215-SMOHI-BA-R108-M005]	B119430	2.03	10.0	04/15/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118976 - SW-846 3540C

Blank (B118976-BLK1)

Prepared: 04/09/15 Analyzed: 04/11/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.919		mg/Kg	1.00		91.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.955		mg/Kg	1.00		95.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.843		mg/Kg	1.00		84.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.899		mg/Kg	1.00		89.9	30-150			

LCS (B118976-BS1)

Prepared: 04/09/15 Analyzed: 04/11/15

Aroclor-1016	0.23	0.10	mg/Kg	0.250		90.8	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		94.8	40-140			
Aroclor-1260	0.23	0.10	mg/Kg	0.250		93.0	40-140			
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		99.7	40-140			
Surrogate: Decachlorobiphenyl	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.877		mg/Kg	1.00		87.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.929		mg/Kg	1.00		92.9	30-150			

LCS Dup (B118976-BSD1)

Prepared: 04/09/15 Analyzed: 04/11/15

Aroclor-1016	0.23	0.10	mg/Kg	0.250		91.0	40-140	0.222	30	
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		95.0	40-140	0.242	30	
Aroclor-1260	0.23	0.10	mg/Kg	0.250		92.0	40-140	1.12	30	
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		98.6	40-140	1.06	30	
Surrogate: Decachlorobiphenyl	0.974		mg/Kg	1.00		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.835		mg/Kg	1.00		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.886		mg/Kg	1.00		88.6	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118976 - SW-846 3540C

Matrix Spike (B118976-MS1)

Source: 15D0211-07

Prepared: 04/09/15 Analyzed: 04/14/15

Aroclor-1016	0.15	0.10	mg/Kg	0.249	ND	59.3	40-140			
Aroclor-1016 [2C]	0.15	0.10	mg/Kg	0.249	ND	58.6	40-140			
Aroclor-1260	0.14	0.10	mg/Kg	0.249	ND	56.6	40-140			
Aroclor-1260 [2C]	0.13	0.10	mg/Kg	0.249	ND	52.9	40-140			
Surrogate: Decachlorobiphenyl	0.486		mg/Kg	0.995		48.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.501		mg/Kg	0.995		50.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.565		mg/Kg	0.995		56.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.589		mg/Kg	0.995		59.2	30-150			

Matrix Spike Dup (B118976-MSD1)

Source: 15D0211-07

Prepared: 04/09/15 Analyzed: 04/14/15

Aroclor-1016	0.19	0.10	mg/Kg	0.250	ND	75.5	40-140	24.5	50	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg	0.250	ND	79.3	40-140	30.5	50	
Aroclor-1260	0.18	0.10	mg/Kg	0.250	ND	72.5	40-140	25.0	50	
Aroclor-1260 [2C]	0.18	0.10	mg/Kg	0.250	ND	70.3	40-140	28.8	50	
Surrogate: Decachlorobiphenyl	0.621		mg/Kg	1.00		62.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.628		mg/Kg	1.00		62.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.725		mg/Kg	1.00		72.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.754		mg/Kg	1.00		75.4	30-150			

Batch B119069 - SW-846 3540C

Blank (B119069-BLK1)

Prepared: 04/11/15 Analyzed: 04/16/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	3.78		mg/Kg	4.00		94.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.12		mg/Kg	4.00		78.0	30-150			
Surrogate: Tetrachloro-m-xylene	3.30		mg/Kg	4.00		82.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.88		mg/Kg	4.00		72.1	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119069 - SW-846 3540C

LCS (B119069-BS1)

Prepared: 04/11/15 Analyzed: 04/16/15

Aroclor-1016	3.4	0.20	mg/Kg	4.00		85.2	40-140			
Aroclor-1016 [2C]	3.3	0.20	mg/Kg	4.00		81.3	40-140			
Aroclor-1260	3.9	0.20	mg/Kg	4.00		97.1	40-140			
Aroclor-1260 [2C]	3.7	0.20	mg/Kg	4.00		91.6	40-140			
Surrogate: Decachlorobiphenyl	3.92		mg/Kg	4.00		98.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.26		mg/Kg	4.00		81.5	30-150			
Surrogate: Tetrachloro-m-xylene	3.36		mg/Kg	4.00		84.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.95		mg/Kg	4.00		73.7	30-150			

LCS Dup (B119069-BSD1)

Prepared: 04/11/15 Analyzed: 04/16/15

Aroclor-1016	3.5	0.20	mg/Kg	4.00		87.8	40-140	3.08	30	
Aroclor-1016 [2C]	3.4	0.20	mg/Kg	4.00		84.9	40-140	4.38	30	
Aroclor-1260	4.0	0.20	mg/Kg	4.00		98.9	40-140	1.79	30	
Aroclor-1260 [2C]	3.8	0.20	mg/Kg	4.00		94.2	40-140	2.72	30	
Surrogate: Decachlorobiphenyl	3.95		mg/Kg	4.00		98.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.31		mg/Kg	4.00		82.9	30-150			
Surrogate: Tetrachloro-m-xylene	3.41		mg/Kg	4.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.01		mg/Kg	4.00		75.3	30-150			

Matrix Spike (B119069-MS1)

Source: 15D0211-08

Prepared: 04/11/15 Analyzed: 04/17/15

Aroclor-1016	4.0	0.75	mg/Kg	3.74	ND	107	40-140			
Aroclor-1016 [2C]	3.9	0.75	mg/Kg	3.74	ND	106	40-140			
Aroclor-1260	3.9	0.75	mg/Kg	3.74	ND	104	40-140			
Aroclor-1260 [2C]	4.0	0.75	mg/Kg	3.74	ND	108	40-140			
Surrogate: Decachlorobiphenyl	3.80		mg/Kg	3.74		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.48		mg/Kg	3.74		93.0	30-150			
Surrogate: Tetrachloro-m-xylene	3.64		mg/Kg	3.74		97.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.56		mg/Kg	3.74		95.2	30-150			

Matrix Spike Dup (B119069-MSD1)

Source: 15D0211-08

Prepared: 04/11/15 Analyzed: 04/17/15

Aroclor-1016	3.3	0.79	mg/Kg	3.94	ND	83.0	40-140	20.3	50	
Aroclor-1016 [2C]	3.9	0.79	mg/Kg	3.94	ND	99.5	40-140	0.470	50	
Aroclor-1260	3.6	0.79	mg/Kg	3.94	ND	91.3	40-140	7.22	50	
Aroclor-1260 [2C]	3.8	0.79	mg/Kg	3.94	ND	96.5	40-140	5.97	50	
Surrogate: Decachlorobiphenyl	3.44		mg/Kg	3.94		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.15		mg/Kg	3.94		79.9	30-150			
Surrogate: Tetrachloro-m-xylene	3.41		mg/Kg	3.94		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.38		mg/Kg	3.94		85.8	30-150			

Batch B119162 - SW-846 3540C

Blank (B119162-BLK1)

Prepared: 04/13/15 Analyzed: 04/17/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119162 - SW-846 3540C										
Blank (B119162-BLK1)										
Prepared: 04/13/15 Analyzed: 04/17/15										
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	3.87		mg/Kg	4.00		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.53		mg/Kg	4.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	3.67		mg/Kg	4.00		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.47		mg/Kg	4.00		86.7	30-150			
LCS (B119162-BS1)										
Prepared: 04/13/15 Analyzed: 04/17/15										
Aroclor-1016	3.8	0.20	mg/Kg	4.00		94.9	40-140			
Aroclor-1016 [2C]	3.9	0.20	mg/Kg	4.00		98.2	40-140			
Aroclor-1260	4.1	0.20	mg/Kg	4.00		103	40-140			
Aroclor-1260 [2C]	4.3	0.20	mg/Kg	4.00		107	40-140			
Surrogate: Decachlorobiphenyl	4.15		mg/Kg	4.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.79		mg/Kg	4.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene	3.99		mg/Kg	4.00		99.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.74		mg/Kg	4.00		93.4	30-150			
LCS Dup (B119162-BSD1)										
Prepared: 04/13/15 Analyzed: 04/17/15										
Aroclor-1016	3.4	0.20	mg/Kg	4.00		85.5	40-140	10.5	30	
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		87.0	40-140	12.1	30	
Aroclor-1260	4.0	0.20	mg/Kg	4.00		99.5	40-140	3.18	30	
Aroclor-1260 [2C]	4.1	0.20	mg/Kg	4.00		103	40-140	3.38	30	
Surrogate: Decachlorobiphenyl	3.93		mg/Kg	4.00		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.59		mg/Kg	4.00		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	3.23		mg/Kg	4.00		80.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.05		mg/Kg	4.00		76.3	30-150			
Batch B119196 - SW-846 3540C										
Blank (B119196-BLK1)										
Prepared: 04/13/15 Analyzed: 04/18/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119196 - SW-846 3540C

Blank (B119196-BLK1)

Prepared: 04/13/15 Analyzed: 04/18/15

Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.933		mg/Kg	1.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.853		mg/Kg	1.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.782		mg/Kg	1.00		78.2	30-150			

LCS (B119196-BS1)

Prepared: 04/13/15 Analyzed: 04/18/15

Aroclor-1016	0.24	0.10	mg/Kg	0.250		94.0	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg	0.250		87.2	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.956		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.891		mg/Kg	1.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.817		mg/Kg	1.00		81.7	30-150			

LCS Dup (B119196-BSD1)

Prepared: 04/13/15 Analyzed: 04/18/15

Aroclor-1016	0.24	0.10	mg/Kg	0.250		95.7	40-140	1.76	30	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg	0.250		91.4	40-140	4.75	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		104	40-140	0.296	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140	0.322	30	
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.874		mg/Kg	1.00		87.4	30-150			

Batch B119350 - SW-846 3540C

Blank (B119350-BLK1)

Prepared: 04/15/15 Analyzed: 04/16/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.457		mg/Kg	1.00		45.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.474		mg/Kg	1.00		47.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.588		mg/Kg	1.00		58.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.662		mg/Kg	1.00		66.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119350 - SW-846 3540C

LCS (B119350-BS1)

Prepared: 04/15/15 Analyzed: 04/16/15

Aroclor-1016	0.17	0.10	mg/Kg	0.250		69.9	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg	0.250		71.2	40-140			
Aroclor-1260	0.16	0.10	mg/Kg	0.250		63.1	40-140			
Aroclor-1260 [2C]	0.17	0.10	mg/Kg	0.250		69.2	40-140			
Surrogate: Decachlorobiphenyl	0.592		mg/Kg	1.00		59.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.634		mg/Kg	1.00		63.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.694		mg/Kg	1.00		69.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.762		mg/Kg	1.00		76.2	30-150			

LCS Dup (B119350-BS1)

Prepared: 04/15/15 Analyzed: 04/16/15

Aroclor-1016	0.18	0.10	mg/Kg	0.250		71.7	40-140	2.52	30	
Aroclor-1016 [2C]	0.18	0.10	mg/Kg	0.250		73.8	40-140	3.54	30	
Aroclor-1260	0.17	0.10	mg/Kg	0.250		66.7	40-140	5.47	30	
Aroclor-1260 [2C]	0.18	0.10	mg/Kg	0.250		72.8	40-140	4.96	30	
Surrogate: Decachlorobiphenyl	0.614		mg/Kg	1.00		61.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.640		mg/Kg	1.00		64.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.680		mg/Kg	1.00		68.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.753		mg/Kg	1.00		75.3	30-150			

Batch B119430 - SW-846 3540C

Blank (B119430-BLK1)

Prepared: 04/15/15 Analyzed: 04/18/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							V-05
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.795		mg/Kg	1.00		79.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.763		mg/Kg	1.00		76.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.723		mg/Kg	1.00		72.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.751		mg/Kg	1.00		75.1	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119430 - SW-846 3540C

LCS (B119430-BS1)

Prepared: 04/15/15 Analyzed: 04/18/15

Aroclor-1016	0.27	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		104	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140			
Surrogate: Decachlorobiphenyl	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.938		mg/Kg	1.00		93.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.963		mg/Kg	1.00		96.3	30-150			

LCS Dup (B119430-BSD1)

Prepared: 04/15/15 Analyzed: 04/18/15

Aroclor-1016	0.26	0.10	mg/Kg	0.250		103	40-140	3.15	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		99.6	40-140	3.99	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140	0.381	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140	0.737	30	
Surrogate: Decachlorobiphenyl	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.872		mg/Kg	1.00		87.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.891		mg/Kg	1.00		89.1	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

040215-SMOHI-BA-R108-M004

SW-846 8082A

Lab Sample ID: 15D0211-10 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.14	
	2	0.00	0.00	0.00	0.20	38.1
Aroclor-1260	1	0.00	0.00	0.00	0.13	
	2	0.00	0.00	0.00	0.13	3.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R108-M006

Lab Sample ID: 15D0211-12 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.092	
	2	0.00	0.00	0.00	0.11	18.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B118976-BS1 Date(s) Analyzed: 04/11/2015 04/11/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.24	6
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.25	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B118976-BSD1 Date(s) Analyzed: 04/11/2015 04/11/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.24	5
Aroclor-1260	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.25	8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B118976-MS1 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.15	
	2	0.00	0.00	0.00	0.15	1
Aroclor-1260	1	0.00	0.00	0.00	0.14	
	2	0.00	0.00	0.00	0.13	8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B118976-MSD1 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.19	
	2	0.00	0.00	0.00	0.20	6
Aroclor-1260	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.18	1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119069-BS1 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.4	
	2	0.00	0.00	0.00	3.3	3
Aroclor-1260	1	0.00	0.00	0.00	3.9	
	2	0.00	0.00	0.00	3.7	5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119069-BSD1 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.5	
	2	0.00	0.00	0.00	3.4	3
Aroclor-1260	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	3.8	4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B119069-MS1 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	3.9	3
Aroclor-1260	1	0.00	0.00	0.00	3.9	
	2	0.00	0.00	0.00	4.0	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119162-BS1 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.8	
	2	0.00	0.00	0.00	3.9	3
Aroclor-1260	1	0.00	0.00	0.00	4.1	
	2	0.00	0.00	0.00	4.3	5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119162-BSD1 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.4	
	2	0.00	0.00	0.00	3.5	2
Aroclor-1260	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	4.1	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B119196-BS1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.22	7
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B119196-BSD1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.23	4
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119350-BS1 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.18	3
Aroclor-1260	1	0.00	0.00	0.00	0.16	
	2	0.00	0.00	0.00	0.17	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119350-BSD1 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.18	1
Aroclor-1260	1	0.00	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.18	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*Lab Sample ID: B119430-BS1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.26	2
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.28	2

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- O-32 A dilution was performed as part of the standard analytical procedure.
 - RL-12 Elevated reporting limit due to matrix interference.
 - V-05 Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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 707 Wilshire Blvd., Suite 4950 Los Angeles, Calif. 90017 (213) 943-6300 (213) 943-6301 (fax)
 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

15D0211

PROJECT NAME / FACILITY ID: SMO Inspection
 PROJECT NUMBER: 0433980R DATE: 04/03/2015
 PROJECT LOCATION: SMO
 IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF + Excel

MSA#: _____ WO#: _____
 FIELD PERSON: SY, RB
 PROJECT MANAGER: Tyson Wilkinson
 LABORATORY: Comtest

SAMPLER: <u>RB</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS
	2015									<u>PCB800L</u>	<u>SO₂ Extractia</u>	
SIGNATURE: _____												
SAMPLE I.D. NUMBER												
<u>040335-SMOHI-BA-208B-M001</u>		<u>0403</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>1</u>	<u>NA</u>	<u>Cold</u>	<u>X</u>	<u>X</u>	
<u>-M002</u>												
<u>-M003</u>												
<u>-M004</u>												
<u>-M005</u>												
<u>-M006</u>												
<u>-M007</u>												
<u>-M008</u>												
<u>-M009</u>												
<u>X SY</u>												
TOTAL		X	X	X								

01
02
03
04
05
06

H = HCL; N = HNO₃; S = H₂SO₄; U = UNKNOWN; NO = NONE; O = OTHER

RELINQUISHED BY: _____	TIME/DATE: <u>4/3</u>	RECEIVED BY: _____	TIME/DATE: <u>4/14/15</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY 24 HOURS 48 HOURS	72 HOURS 5 DAYS (NORMAL)
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____	INTACT: Y N Temp _____	INTACT: Y N	

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 707 Wilshire Blvd., Suite 4950 Los Angeles, Calif. 90017 (213) 943-6300 (213) 943-6301 (fax)
 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

15D0211

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: SMO Inspection

FIELD PERSON: RS, NS

PROJECT NUMBER: 0433980R DATE: 04/02/2015

PROJECT MANAGER: Jason Wilkinson

PROJECT LOCATION: SMO

LABORATORY: Com test

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: Excel, PDF

SAMPLER: <u>RS</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS
	2015									PCB/BOPZ	Sox Extraction	
SIGNATURE: <u>[Signature]</u>												
07		040215		NA	NA	NA	1		Cold	x	x	MS/MSD
07												
07												
08												
08												MS/MSD
08												
9												
10												
11												
12												
13												
14												
15												
TOTAL			X	X	X							

RELINQUISHED BY: <u>[Signature]</u>	TIME/DATE: <u>4/3</u>	RECEIVED BY: <u>[Signature]</u>	TIME/DATE: <u>4/14/15</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY 24 HOURS 48 HOURS	72 HOURS 5 DAYS <u>NORMAL</u>
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	INTACT: Y N Temp _____	INTACT: Y N	



FedEx® Tracking

773289367220

Ship (P/U) date :
Fri 4/03/2015 5:11 pm

Actual delivery :
Sat 4/04/2015 10:45 am

Irvine, CA US



Delivered

Signed for by: J.MJMM

EAST LONGMEADOW, MA US

Travel History

▲ Date/Time	Activity	Location
- 4/04/2015 - Saturday		
10:45 am	Delivered	EAST LONGMEADOW, MA
7:54 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:49 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	EAST GRANBY, CT
3:38 am	Departed FedEx location	MEMPHIS, TN
1:36 am	Arrived at FedEx location	MEMPHIS, TN
- 4/03/2015 - Friday		
6:15 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:11 pm	Picked up	SANTA MONICA, CA
	Tendered at FedEx Office	
12:41 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773289367220	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x14 in.
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	For Saturday Delivery, Additional Handling Surcharge



Customer Focus
 New Customer Center
 Small Business Center
 Service Guide
 Customer Support

Featured Services
 FedEx One Rate
 FedEx SameDay
 FedEx Home Delivery
 Healthcare Solutions
 Online Retail Solutions
 Packaging Services
 Ancillary Clearance Services

Companies
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 FedEx Mobile

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: MJ DATE: 4/4/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain:
- 3) Are all the samples in good condition? Yes No
 If not, explain:

- 4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

- 5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

- 8) Do all samples have the proper Acid pH: Yes No N/A
- 9) Do all samples have the proper Base pH: Yes No N/A
- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz amber/clear jar	
500 mL Amber			4 oz <input checked="" type="radio"/> amber/clear jar	19
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Plastic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			Non-ConTest Container	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____ Dec# 277 # Bisulfate _____ # DI Water _____ Rev. 4 August 2013 # Thiosulfate _____ Unpreserved _____	Time and Date Frozen:
--	-----------------------

Login Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)		Comment
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	T		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	NA		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	NA		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA		
21) Samples do not require splitting or compositing.	T		

Doc #277 Rev. 4 August 2013

Who notified of False statements?
 Log-In Technician Initials:

Date/Time:
 Date/Time:

MS 4/4/15 10:45

Aaron Benoit

From: Robert Seeley [RSeeley@environcorp.com]
Sent: Friday, May 01, 2015 3:03 PM
To: aaron.benoit@contestlabs.com
Cc: Jason Wilkinson; Rod Bronstein
Subject: SAMOHI Sample IDs

Follow Up Flag: Follow up
Flag Status: Flagged

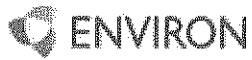
Aaron,

Can you please update the following sample IDs:

15D0211-01	040315-SMOHI-BA-█208B-M004
15D0211-02	040315-SMOHI-BA-█208B-M005
15D0211-03	040315-SMOHI-BA-█208B-M006
15D0211-04	040315-SMOHI-BA-█208B-M007
15D0211-05	040315-SMOHI-BA-█208B-M008
15D0211-06	040315-SMOHI-BA-█208B-M009
15D0160-10	040215-SMOHI-BA-█MENS-M001
15D0160-11	040215-SMOHI-BA-█MENS-M002
15D0160-12	040215-SMOHI-BA-█MENS-M003
15D0160-13	040215-SMOHI-BA-█MENS-M004
15D0160-14	040215-SMOHI-BA-█MENS-M005
15D0160-15	040215-SMOHI-BA-█MENS-M006
15D0160-16	040215-SMOHI-BA-█MENS-M007
15D0160-17	040215-SMOHI-BA-█MENS-M008
15D0160-18	040215-SMOHI-BA-█MENS-M009
15D0160-19	040215-SMOHI-BA-█MENS-M010
15D0160-20	040215-SMOHI-BA-█MENS-M011
15D0160-21	040215-SMOHI-BA-█MENS-M012
15D0160-01	040215-SMOHI-BA-█WOMENS-M001
15D0160-02	040215-SMOHI-BA-█WOMENS-M002
15D0160-03	040215-SMOHI-BA-█WOMENS-M003
15D0160-04	040215-SMOHI-BA-█WOMENS-M004
15D0160-05	040215-SMOHI-BA-█WOMENS-M005
15D0160-06	040215-SMOHI-BA-█WOMENS-M006
15D0160-07	040215-SMOHI-BA-█WOMENS-M007
15D0160-08	040215-SMOHI-BA-█WOMENS-M008
15D0160-09	040215-SMOHI-BA-█WOMENS-M009

The red █ needs to be added to sample ID for the lab report. I am not sure if the error occurred on the COC or was a transcription error from the COC to sample entry (I think both happened). The left column is the Lab ID and right is Sample ID.

Please call me with any questions,
 Rob



Robert Seeley | Associate
ENVIRON International Corporation
3 Carlisle Rd, Suite 210 | Westford, MA 01886
T: +1 978 449 0311 | F: +1 978 449 0301 | M: +1 617 733 0124
rseeley@environcorp.com

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May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0212

Enclosed are results of analyses for samples received by the laboratory on April 4, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0212

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040315-SMOHI-BA-R102-M001	15D0212-01	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R102-M002	15D0212-02	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R102-M003	15D0212-03	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R102-M004	15D0212-04	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R102-M005	15D0212-05	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R102-M006	15D0212-06	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R102-M007	15D0212-07	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R102-M008	15D0212-08	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R102-M009	15D0212-09	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R102-M010	15D0212-10	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R109-M001	15D0212-11	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R109-M002	15D0212-12	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R109-M003	15D0212-13	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R109-M004	15D0212-14	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R214-M002	15D0212-15	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R214-M003	15D0212-16	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M001	15D0212-17	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M002	15D0212-18	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M003	15D0212-19	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M004	15D0212-20	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

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SW-846 8082A

Qualifications:**O-03**

Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

Analyte & Samples(s) Qualified:**Aroclor-1242**

15D0212-19[040315-SMOHI-BA-R208-M003]

Aroclor-1242 [2C]

15D0212-19[040315-SMOHI-BA-R208-M003]

O-04

Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:**Aroclor-1254**

15D0212-20[040315-SMOHI-BA-R208-M004]

Aroclor-1254 [2C]

15D0212-20[040315-SMOHI-BA-R208-M004]

O-27

Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

Analyte & Samples(s) Qualified:

15D0212-13[040315-SMOHI-BA-R109-M003], 15D0212-14[040315-SMOHI-BA-R109-M004]

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:**Aroclor-1254 [2C]**

15D0212-08[040315-SMOHI-BA-R102-M008]

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:**Aroclor-1254**

15D0212-20[040315-SMOHI-BA-R208-M004]

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:**Aroclor-1260 [2C]**

15D0212-05[040315-SMOHI-BA-R102-M005], B119371-MS1, B119371-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0212-11[040315-SMOHI-BA-R109-M001], 15D0212-12[040315-SMOHI-BA-R109-M002]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:**Decachlorobiphenyl**

15D0212-13[040315-SMOHI-BA-R109-M003]

Decachlorobiphenyl [2C]

15D0212-13[040315-SMOHI-BA-R109-M003]

Tetrachloro-m-xylene

15D0212-13[040315-SMOHI-BA-R109-M003]

Tetrachloro-m-xylene [2C]

15D0212-13[040315-SMOHI-BA-R109-M003]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Daren J. Damboragian", is written over a light gray rectangular background.

Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R102-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 0:59	PJG
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 0:59	PJG
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 0:59	PJG
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 0:59	PJG
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 0:59	PJG
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 0:59	PJG
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 0:59	PJG
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 0:59	PJG
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 0:59	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 0:59	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.1	30-150					4/21/15 0:59	
Decachlorobiphenyl [2]		81.5	30-150					4/21/15 0:59	
Tetrachloro-m-xylene [1]		86.1	30-150					4/21/15 0:59	
Tetrachloro-m-xylene [2]		78.3	30-150					4/21/15 0:59	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R102-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:12	PJG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:12	PJG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:12	PJG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:12	PJG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:12	PJG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:12	PJG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:12	PJG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:12	PJG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:12	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:12	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.6	30-150					4/21/15 1:12	
Decachlorobiphenyl [2]		81.6	30-150					4/21/15 1:12	
Tetrachloro-m-xylene [1]		87.1	30-150					4/21/15 1:12	
Tetrachloro-m-xylene [2]		79.4	30-150					4/21/15 1:12	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R102-M003

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:25	PJG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:25	PJG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:25	PJG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:25	PJG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:25	PJG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:25	PJG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:25	PJG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:25	PJG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:25	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:25	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.5	30-150					4/21/15 1:25	
Decachlorobiphenyl [2]		82.3	30-150					4/21/15 1:25	
Tetrachloro-m-xylene [1]		83.6	30-150					4/21/15 1:25	
Tetrachloro-m-xylene [2]		76.2	30-150					4/21/15 1:25	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R102-M004

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:38	PJG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:38	PJG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:38	PJG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:38	PJG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:38	PJG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:38	PJG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:38	PJG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:38	PJG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:38	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:38	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.0	30-150					4/21/15 1:38	
Decachlorobiphenyl [2]		75.9	30-150					4/21/15 1:38	
Tetrachloro-m-xylene [1]		77.7	30-150					4/21/15 1:38	
Tetrachloro-m-xylene [2]		71.4	30-150					4/21/15 1:38	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R102-M005

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:51	PJG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:51	PJG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:51	PJG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:51	PJG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:51	PJG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:51	PJG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:51	PJG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:51	PJG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:51	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 1:51	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.8	30-150					4/21/15 1:51	
Decachlorobiphenyl [2]		83.9	30-150					4/21/15 1:51	
Tetrachloro-m-xylene [1]		85.1	30-150					4/21/15 1:51	
Tetrachloro-m-xylene [2]		77.6	30-150					4/21/15 1:51	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R102-M006

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:04	PJG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:04	PJG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:04	PJG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:04	PJG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:04	PJG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:04	PJG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:04	PJG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:04	PJG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:04	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:04	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.2	30-150					4/21/15 2:04	
Decachlorobiphenyl [2]		72.6	30-150					4/21/15 2:04	
Tetrachloro-m-xylene [1]		78.9	30-150					4/21/15 2:04	
Tetrachloro-m-xylene [2]		72.0	30-150					4/21/15 2:04	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R102-M007

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:17	PJG
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:17	PJG
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:17	PJG
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:17	PJG
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:17	PJG
Aroclor-1254 [2]	0.22	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:17	PJG
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:17	PJG
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:17	PJG
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:17	PJG
	0.22		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:17	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.1	30-150					4/21/15 2:17	
Decachlorobiphenyl [2]		86.9	30-150					4/21/15 2:17	
Tetrachloro-m-xylene [1]		86.5	30-150					4/21/15 2:17	
Tetrachloro-m-xylene [2]		79.1	30-150					4/21/15 2:17	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R102-M008

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:30	PJG
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:30	PJG
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:30	PJG
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:30	PJG
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:30	PJG
Aroclor-1254 [2]	0.24	0.094	mg/Kg	1	P-01	SW-846 8082A	4/15/15	4/21/15 2:30	PJG
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:30	PJG
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:30	PJG
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:30	PJG
	0.24		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 2:30	PJG
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	96.5	30-150						4/21/15 2:30	
Decachlorobiphenyl [2]	85.6	30-150						4/21/15 2:30	
Tetrachloro-m-xylene [1]	90.8	30-150						4/21/15 2:30	
Tetrachloro-m-xylene [2]	83.1	30-150						4/21/15 2:30	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R102-M009

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:09	PJG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:09	PJG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:09	PJG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:09	PJG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:09	PJG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:09	PJG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:09	PJG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:09	PJG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:09	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:09	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					4/21/15 3:09	
Decachlorobiphenyl [2]		89.6	30-150					4/21/15 3:09	
Tetrachloro-m-xylene [1]		99.8	30-150					4/21/15 3:09	
Tetrachloro-m-xylene [2]		89.7	30-150					4/21/15 3:09	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R102-M010

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:22	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:22	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:22	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:22	PJG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:22	PJG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:22	PJG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:22	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:22	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:22	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 3:22	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.7	30-150					4/21/15 3:22	
Decachlorobiphenyl [2]		85.2	30-150					4/21/15 3:22	
Tetrachloro-m-xylene [1]		94.7	30-150					4/21/15 3:22	
Tetrachloro-m-xylene [2]		85.5	30-150					4/21/15 3:22	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R109-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-11

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:34	PJG
Aroclor-1221 [1]	ND	0.78	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:34	PJG
Aroclor-1232 [1]	ND	0.78	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:34	PJG
Aroclor-1242 [1]	ND	0.78	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:34	PJG
Aroclor-1248 [1]	ND	0.78	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:34	PJG
Aroclor-1254 [1]	ND	0.78	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:34	PJG
Aroclor-1260 [1]	ND	0.78	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:34	PJG
Aroclor-1262 [1]	ND	0.78	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:34	PJG
Aroclor-1268 [1]	ND	0.78	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:34	PJG
	0.0		mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:34	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.4	30-150					4/23/15 20:34	
Decachlorobiphenyl [2]		84.4	30-150					4/23/15 20:34	
Tetrachloro-m-xylene [1]		77.1	30-150					4/23/15 20:34	
Tetrachloro-m-xylene [2]		71.9	30-150					4/23/15 20:34	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R109-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-12

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:53	PJG
Aroclor-1221 [1]	ND	0.71	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:53	PJG
Aroclor-1232 [1]	ND	0.71	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:53	PJG
Aroclor-1242 [1]	ND	0.71	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:53	PJG
Aroclor-1248 [1]	ND	0.71	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:53	PJG
Aroclor-1254 [1]	ND	0.71	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:53	PJG
Aroclor-1260 [1]	ND	0.71	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:53	PJG
Aroclor-1262 [1]	ND	0.71	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:53	PJG
Aroclor-1268 [1]	ND	0.71	mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:53	PJG
	0.0		mg/Kg	2		SW-846 8082A	4/15/15	4/23/15 20:53	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.6	30-150					4/23/15 20:53	
Decachlorobiphenyl [2]		92.4	30-150					4/23/15 20:53	
Tetrachloro-m-xylene [1]		76.3	30-150					4/23/15 20:53	
Tetrachloro-m-xylene [2]		73.0	30-150					4/23/15 20:53	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R109-M003

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-13

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:20	JMB
Aroclor-1221 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:20	JMB
Aroclor-1232 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:20	JMB
Aroclor-1242 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:20	JMB
Aroclor-1248 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:20	JMB
Aroclor-1254 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:20	JMB
Aroclor-1260 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:20	JMB
Aroclor-1262 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:20	JMB
Aroclor-1268 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:20	JMB
	0.0		mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:20	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			4/24/15 18:20	
Decachlorobiphenyl [2]		*	30-150		S-01			4/24/15 18:20	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/24/15 18:20	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/24/15 18:20	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R109-M004

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-14

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.6	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:14	JMB
Aroclor-1221 [1]	ND	9.6	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:14	JMB
Aroclor-1232 [1]	ND	9.6	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:14	JMB
Aroclor-1242 [1]	ND	9.6	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:14	JMB
Aroclor-1248 [1]	ND	9.6	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:14	JMB
Aroclor-1254 [1]	ND	9.6	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:14	JMB
Aroclor-1260 [1]	ND	9.6	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:14	JMB
Aroclor-1262 [1]	ND	9.6	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:14	JMB
Aroclor-1268 [1]	ND	9.6	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:14	JMB
	0.0		mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:14	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	72.0	30-150						4/24/15 19:14	
Decachlorobiphenyl [2]	67.4	30-150						4/24/15 19:14	
Tetrachloro-m-xylene [1]	47.5	30-150						4/24/15 19:14	
Tetrachloro-m-xylene [2]	43.9	30-150						4/24/15 19:14	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R214-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 20:46	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 20:46	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 20:46	KAL
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 20:46	KAL
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 20:46	KAL
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 20:46	KAL
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 20:46	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 20:46	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 20:46	KAL
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 20:46	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	89.4	30-150						4/21/15 20:46	
Decachlorobiphenyl [2]	80.5	30-150						4/21/15 20:46	
Tetrachloro-m-xylene [1]	69.1	30-150						4/21/15 20:46	
Tetrachloro-m-xylene [2]	65.3	30-150						4/21/15 20:46	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R214-M003

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:05	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:05	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:05	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:05	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:05	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:05	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:05	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:05	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:05	KAL
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:05	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.2	30-150					4/21/15 21:05	
Decachlorobiphenyl [2]		85.6	30-150					4/21/15 21:05	
Tetrachloro-m-xylene [1]		78.1	30-150					4/21/15 21:05	
Tetrachloro-m-xylene [2]		73.2	30-150					4/21/15 21:05	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:23	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:23	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:23	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:23	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:23	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:23	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:23	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:23	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:23	KAL
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:23	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.3	30-150					4/21/15 21:23	
Decachlorobiphenyl [2]		74.9	30-150					4/21/15 21:23	
Tetrachloro-m-xylene [1]		72.0	30-150					4/21/15 21:23	
Tetrachloro-m-xylene [2]		68.6	30-150					4/21/15 21:23	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:41	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:41	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:41	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:41	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:41	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:41	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:41	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:41	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:41	KAL
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:41	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.8	30-150					4/21/15 21:41	
Decachlorobiphenyl [2]		84.1	30-150					4/21/15 21:41	
Tetrachloro-m-xylene [1]		69.2	30-150					4/21/15 21:41	
Tetrachloro-m-xylene [2]		65.5	30-150					4/21/15 21:41	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208-M003

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:59	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:59	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:59	KAL
Aroclor-1242 [2]	0.15	0.091	mg/Kg	1	O-03	SW-846 8082A	4/15/15	4/21/15 21:59	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:59	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:59	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:59	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:59	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:59	KAL
	0.15		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 21:59	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		65.1	30-150					4/21/15 21:59	
Decachlorobiphenyl [2]		64.7	30-150					4/21/15 21:59	
Tetrachloro-m-xylene [1]		59.1	30-150					4/21/15 21:59	
Tetrachloro-m-xylene [2]		58.0	30-150					4/21/15 21:59	

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Project Location: SMO

Sample Description:

Work Order: 15D0212

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208-M004

Sampled: 4/3/2015 00:00

Sample ID: 15D0212-20

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 22:17	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 22:17	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 22:17	KAL
Aroclor-1242 [2]	0.18	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 22:17	KAL
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 22:17	KAL
Aroclor-1254 [1]	0.11	0.097	mg/Kg	1	P-02, O-04	SW-846 8082A	4/15/15	4/21/15 22:17	KAL
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 22:17	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 22:17	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 22:17	KAL
	0.29		mg/Kg	1		SW-846 8082A	4/15/15	4/21/15 22:17	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	61.0	30-150			4/21/15 22:17				
Decachlorobiphenyl [2]	58.8	30-150			4/21/15 22:17				
Tetrachloro-m-xylene [1]	54.4	30-150			4/21/15 22:17				
Tetrachloro-m-xylene [2]	53.8	30-150			4/21/15 22:17				

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0212-13 [040315-SMOHI-BA-R109-M003]	B119464	0.517	10.0	04/16/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0212-14 [040315-SMOHI-BA-R109-M004]	B119204	0.209	10.0	04/13/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0212-01 [040315-SMOHI-BA-R102-M001]	B119371	2.12	10.0	04/15/15
15D0212-02 [040315-SMOHI-BA-R102-M002]	B119371	2.09	10.0	04/15/15
15D0212-03 [040315-SMOHI-BA-R102-M003]	B119371	2.02	10.0	04/15/15
15D0212-04 [040315-SMOHI-BA-R102-M004]	B119371	2.09	10.0	04/15/15
15D0212-05 [040315-SMOHI-BA-R102-M005]	B119371	2.15	10.0	04/15/15
15D0212-06 [040315-SMOHI-BA-R102-M006]	B119371	2.15	10.0	04/15/15
15D0212-07 [040315-SMOHI-BA-R102-M007]	B119371	2.28	10.0	04/15/15
15D0212-08 [040315-SMOHI-BA-R102-M008]	B119371	2.13	10.0	04/15/15
15D0212-09 [040315-SMOHI-BA-R102-M009]	B119371	2.14	10.0	04/15/15
15D0212-10 [040315-SMOHI-BA-R102-M010]	B119371	2.04	10.0	04/15/15
15D0212-11 [040315-SMOHI-BA-R109-M001]	B119371	0.510	10.0	04/15/15
15D0212-12 [040315-SMOHI-BA-R109-M002]	B119371	0.560	10.0	04/15/15
15D0212-15 [040315-SMOHI-BA-R214-M002]	B119371	2.06	10.0	04/15/15
15D0212-16 [040315-SMOHI-BA-R214-M003]	B119371	2.15	10.0	04/15/15
15D0212-17 [040315-SMOHI-BA-R208-M001]	B119371	2.10	10.0	04/15/15
15D0212-18 [040315-SMOHI-BA-R208-M002]	B119371	2.20	10.0	04/15/15
15D0212-19 [040315-SMOHI-BA-R208-M003]	B119371	2.19	10.0	04/15/15
15D0212-20 [040315-SMOHI-BA-R208-M004]	B119371	2.07	10.0	04/15/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119204 - SW-846 3540C

Blank (B119204-BLK1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	10.4		mg/Kg	10.0		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.09		mg/Kg	10.0		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	9.93		mg/Kg	10.0		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.70		mg/Kg	10.0		87.0	30-150			

LCS (B119204-BS1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		104	40-140			
Aroclor-1260	2.6	0.50	mg/Kg	2.50		103	40-140			
Aroclor-1260 [2C]	2.7	0.50	mg/Kg	2.50		109	40-140			
Surrogate: Decachlorobiphenyl	10.2		mg/Kg	10.0		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.95		mg/Kg	10.0		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	9.41		mg/Kg	10.0		94.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.31		mg/Kg	10.0		83.1	30-150			

LCS Dup (B119204-BSD1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140	0.369	30	
Aroclor-1016 [2C]	2.7	0.50	mg/Kg	2.50		107	40-140	3.07	30	
Aroclor-1260	2.8	0.50	mg/Kg	2.50		112	40-140	8.25	30	
Aroclor-1260 [2C]	3.0	0.50	mg/Kg	2.50		119	40-140	9.04	30	
Surrogate: Decachlorobiphenyl	10.8		mg/Kg	10.0		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.56		mg/Kg	10.0		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	10.3		mg/Kg	10.0		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.18		mg/Kg	10.0		91.8	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119371 - SW-846 3540C										
Blank (B119371-BLK1)										
Prepared: 04/15/15 Analyzed: 04/18/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.740		mg/Kg	1.00		74.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.769		mg/Kg	1.00		76.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.608		mg/Kg	1.00		60.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.666		mg/Kg	1.00		66.6	30-150			
LCS (B119371-BS1)										
Prepared: 04/15/15 Analyzed: 04/18/15										
Aroclor-1016	0.20	0.10	mg/Kg	0.250		79.2	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg	0.250		89.2	40-140			
Aroclor-1260	0.21	0.10	mg/Kg	0.250		85.9	40-140			
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250		94.3	40-140			
Surrogate: Decachlorobiphenyl	0.866		mg/Kg	1.00		86.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.901		mg/Kg	1.00		90.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.747		mg/Kg	1.00		74.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.812		mg/Kg	1.00		81.2	30-150			
LCS Dup (B119371-BSD1)										
Prepared: 04/15/15 Analyzed: 04/18/15										
Aroclor-1016	0.19	0.10	mg/Kg	0.250		77.4	40-140	2.26	30	
Aroclor-1016 [2C]	0.21	0.10	mg/Kg	0.250		85.1	40-140	4.72	30	
Aroclor-1260	0.20	0.10	mg/Kg	0.250		81.1	40-140	5.72	30	
Aroclor-1260 [2C]	0.22	0.10	mg/Kg	0.250		89.7	40-140	4.97	30	
Surrogate: Decachlorobiphenyl	0.805		mg/Kg	1.00		80.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.837		mg/Kg	1.00		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.710		mg/Kg	1.00		71.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.780		mg/Kg	1.00		78.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119371 - SW-846 3540C

Matrix Spike (B119371-MS1)

Source: 15D0212-05

Prepared: 04/15/15 Analyzed: 04/21/15

Aroclor-1016	0.15	0.097	mg/Kg	0.243	ND	60.7	40-140			
Aroclor-1016 [2C]	0.16	0.097	mg/Kg	0.243	ND	66.6	40-140			
Aroclor-1260	0.14	0.097	mg/Kg	0.243	ND	56.0	40-140			
Aroclor-1260 [2C]	0.21	0.097	mg/Kg	0.243	ND	85.0	40-140			R-06
Surrogate: Decachlorobiphenyl	0.649		mg/Kg	0.971		66.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.658		mg/Kg	0.971		67.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.652		mg/Kg	0.971		67.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.628		mg/Kg	0.971		64.7	30-150			

Matrix Spike Dup (B119371-MSD1)

Source: 15D0212-05

Prepared: 04/15/15 Analyzed: 04/21/15

Aroclor-1016	0.12	0.089	mg/Kg	0.222	ND	52.9	40-140	22.5	50	
Aroclor-1016 [2C]	0.13	0.089	mg/Kg	0.222	ND	59.1	40-140	20.6	50	
Aroclor-1260	0.097	0.089	mg/Kg	0.222	ND	43.6	40-140	33.5	50	
Aroclor-1260 [2C]	0.11	0.089	mg/Kg	0.222	ND	51.2	40-140	57.8	* 50	R-06
Surrogate: Decachlorobiphenyl	0.446		mg/Kg	0.889		50.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.434		mg/Kg	0.889		48.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.511		mg/Kg	0.889		57.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.515		mg/Kg	0.889		57.9	30-150			

Batch B119464 - SW-846 3540C

Blank (B119464-BLK1)

Prepared: 04/16/15 Analyzed: 04/23/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	4.08		mg/Kg	4.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.62		mg/Kg	4.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	3.81		mg/Kg	4.00		95.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.45		mg/Kg	4.00		86.1	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119464 - SW-846 3540C

LCS (B119464-BS1)

Prepared: 04/16/15 Analyzed: 04/23/15

Aroclor-1016	4.0	0.20	mg/Kg	4.00		99.8	40-140			
Aroclor-1016 [2C]	4.0	0.20	mg/Kg	4.00		101	40-140			
Aroclor-1260	4.2	0.20	mg/Kg	4.00		104	40-140			
Aroclor-1260 [2C]	4.3	0.20	mg/Kg	4.00		108	40-140			
Surrogate: Decachlorobiphenyl	4.37		mg/Kg	4.00		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.88		mg/Kg	4.00		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	4.04		mg/Kg	4.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.64		mg/Kg	4.00		90.9	30-150			

LCS Dup (B119464-BSD1)

Prepared: 04/16/15 Analyzed: 04/23/15

Aroclor-1016	3.9	0.20	mg/Kg	4.00		97.1	40-140	2.75	30	
Aroclor-1016 [2C]	3.9	0.20	mg/Kg	4.00		98.2	40-140	2.74	30	
Aroclor-1260	4.0	0.20	mg/Kg	4.00		99.7	40-140	4.58	30	
Aroclor-1260 [2C]	4.1	0.20	mg/Kg	4.00		103	40-140	4.47	30	
Surrogate: Decachlorobiphenyl	4.18		mg/Kg	4.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.70		mg/Kg	4.00		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	3.95		mg/Kg	4.00		98.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.54		mg/Kg	4.00		88.5	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

040315-SMOHI-BA-R102-M007

SW-846 8082A

Lab Sample ID: 15D0212-07 Date(s) Analyzed: 04/21/2015 04/21/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.22	26.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040315-SMOHI-BA-R102-M008

Lab Sample ID: 15D0212-08 Date(s) Analyzed: 04/21/2015 04/21/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.15	
	2	0.00	0.00	0.00	0.24	45.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040315-SMOHI-BA-R208-M003

Lab Sample ID: 15D0212-19 Date(s) Analyzed: 04/21/2015 04/21/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1242	1	0.00	0.00	0.00	0.14	
	2	0.00	0.00	0.00	0.15	6.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040315-SMOHI-BA-R208-M004

Lab Sample ID: 15D0212-20 Date(s) Analyzed: 04/21/2015 04/21/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1242	1	0.00	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.18	8.1
Aroclor-1254	1	0.00	0.00	0.00	0.11	
	2	0.00	0.00	0.00	0.19	51.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119204-BS1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	2.6	7
Aroclor-1260	1	0.00	0.00	0.00	2.6	
	2	0.00	0.00	0.00	2.7	5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*Lab Sample ID: B119204-BSD1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	2.7	4
Aroclor-1260	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	3.0	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119371-BS1 Date(s) Analyzed: 04/18/2015 04/18/2015
 Instrument ID (1): _____ Instrument ID (2): _____
 GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.22	11
Aroclor-1260	1	0.00	0.00	0.00	0.21	
	2	0.00	0.00	0.00	0.24	11

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119371-BSD1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.19	
	2	0.00	0.00	0.00	0.21	8
Aroclor-1260	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.22	8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8082A

Matrix Spike

Lab Sample ID: B119371-MS1 Date(s) Analyzed: 04/21/2015 04/21/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.15	
	2	0.00	0.00	0.00	0.16	8
Aroclor-1260	1	0.00	0.00	0.00	0.14	
	2	0.00	0.00	0.00	0.21	43

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B119371-MSD1 Date(s) Analyzed: 04/21/2015 04/21/2015
 Instrument ID (1): _____ Instrument ID (2): _____
 GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.12	
	2	0.00	0.00	0.00	0.13	11
Aroclor-1260	1	0.00	0.00	0.00	0.097	
	2	0.00	0.00	0.00	0.11	13

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119464-BS1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	4.0	0
Aroclor-1260	1	0.00	0.00	0.00	4.2	
	2	0.00	0.00	0.00	4.3	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119464-BSD1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.9	
	2	0.00	0.00	0.00	3.9	1
Aroclor-1260	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	4.1	3

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
O-27	Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
P-02	Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-12	Elevated reporting limit due to matrix interference.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

18100 Von Karman Ave., Suite 600
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(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: SNO Inspection

FIELD PERSON: DC & GT

PROJECT NUMBER: 0433980R DATE: 04/03/15

PROJECT MANAGER: Jason Wilkinson

PROJECT LOCATION: SMOHIIT

LABORATORY: Contract

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF & Excel

SAMPLER:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (M) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS
										PCB	30x Extraction	
GST	2015											
SIGNATURE: <u>[Signature]</u>												
SAMPLE I.D. NUMBER												
01		0403	NA	NA	NA	NA	1	NA	cool	X	X	
02												
03												
04												
05												
06												
07												
08												
09												
10												
11												
12												
TOTAL		X	X	X								

RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____	TURNAROUND TIME (CIRCLE ONE)	SAME DAY 24 HOURS 48 HOURS	72 HOURS 5 DAYS NORMAL
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____			
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
				INTACT: Y N Temp _____	INTACT: Y N	

18100 Von Karman Ave., Suite 600
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(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

15D0212

PROJECT NAME / FACILITY ID: SMO Inspection

MSA#: _____ WO#: _____

PROJECT NUMBER: 0433980 R DATE: 04/03/15

FIELD PERSON: DC & GT

PROJECT LOCATION: SMO

PROJECT MANAGER: Jason Wilkinson

LABORATORY: Comtest

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF & Excel

SAMPLER:	YEAR		SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (M) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS
	2015											
GT												
SIGNATURE: <u>Jarvison Turney</u>												
SAMPLE I.D. NUMBER												
13	040315-SMOH1-BA-R101-M003	0403	NA	NA	NA	NA	1	NA	LOW		X X	
14	" - M004											
15	040315-SMOH1-BA-R214-M002											
16	" - M003											
17	040315-SMOH1-BA-R206-M001											
18	" - M002											
19	" - M003											
20	" - M004											
	" - M005											
	" - M006											
	" - M007											
	" - M008											
TOTAL		X	X	X								

RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: 10:45	TURNAROUND TIME	SAME DAY	72 HOURS
		(COMPANY): _____	4/4/15 7:00	(CIRCLE ONE)	24 HOURS	5 DAYS
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____		48 HOURS	NORMAL
		(COMPANY): _____		SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____	INTACT: Y N Temp _____	INTACT: Y N	
		(COMPANY): _____				

H = HCL; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER



FedEx® Tracking

773289410544

Ship (PAJ) date :
Fri 4/03/2015 5:11 pm

Actual delivery :
Sat 4/04/2015 10:45 am

Irvine, CA US



Delivered

Signed for by: J.MJM M

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
4/04/2015 - Saturday		
10:45 am	Delivered	EAST LONGMEADOW, MA
8:14 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:09 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	EAST GRANBY, CT
3:38 am	Departed FedEx location	MEMPHIS, TN
1:36 am	Arrived at FedEx location	MEMPHIS, TN
4/03/2015 - Friday		
6:15 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:11 pm	Picked up	SANTA MONICA, CA
12:40 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773289410544	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x14 in.
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	For Saturday Delivery, Additional Handling Surcharge



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 East Longmeadow, MA. 01028
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 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: MJ DATE: 4/4/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain:
- 3) Are all the samples in good condition? Yes No
 If not, explain:

- 4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

- 5) Are there Dissolved samples for the lab to filter? Yes No
- Who was notified _____ Date _____ Time _____
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
- Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

- 8) Do all samples have the proper Acid pH: Yes No N/A
- 9) Do all samples have the proper Base pH: Yes No N/A
- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz amber/clear jar	
500 mL Amber			4 oz amber/clear jar	20
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Plastic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			Non-ConTest Container	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____ # Bisulfate _____ # DI Water _____ # Thiosulfate _____ Unpreserved _____	Time and Date Frozen:
--	-----------------------

Doc# 277
 Rev. 4 August 2013

Login Sample Receipt Checklist
(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials:

Date/Time:

Date/Time:

MS

4/14/15 10:45

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0213

Enclosed are results of analyses for samples received by the laboratory on April 4, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0213

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040315-SMOHI-BA-R208-M005	15D0213-01	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M006	15D0213-02	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M007	15D0213-03	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M008	15D0213-04	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R105-M001	15D0213-05	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R105-M002	15D0213-06	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R105-M003	15D0213-07	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R105-M004	15D0213-08	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R105-M005	15D0213-09	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R105-M006	15D0213-10	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R105-M007	15D0213-11	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R105-M008	15D0213-12	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R105-M009	15D0213-13	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R105-M010	15D0213-14	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R105-M011	15D0213-15	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R214-M001	15D0213-16	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R206C-M012	15D0213-17	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R206C-M001	15D0213-18	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R206C-M002	15D0213-19	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R206C-M003	15D0213-20	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:**MS-23**

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:**Aroclor-1016**

B119320-MS1

Aroclor-1016 [2C]

B119320-MS1

O-27

Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

Analyte & Samples(s) Qualified:

15D0213-13[040215-SMOHI-BA-R105-M009]

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:**Aroclor-1016**

15D0213-20[040215-SMOHI-BA-R206C-M003], B119320-MSD1

Aroclor-1016 [2C]

15D0213-20[040215-SMOHI-BA-R206C-M003], B119320-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0213-03[040315-SMOHI-BA-R208-M007], 15D0213-04[040315-SMOHI-BA-R208-M008], 15D0213-11[040215-SMOHI-BA-R105-M007],
15D0213-16[040215-SMOHI-BA-R214-M001]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208-M005

Sampled: 4/3/2015 00:00

Sample ID: 15D0213-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:05	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:05	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:05	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:05	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:05	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:05	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:05	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:05	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:05	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:05	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.0	30-150					4/17/15 1:05	
Decachlorobiphenyl [2]		94.9	30-150					4/17/15 1:05	
Tetrachloro-m-xylene [1]		91.8	30-150					4/17/15 1:05	
Tetrachloro-m-xylene [2]		104	30-150					4/17/15 1:05	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208-M006

Sampled: 4/3/2015 00:00

Sample ID: 15D0213-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:18	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:18	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:18	JMB
Aroclor-1242 [2]	0.16	0.085	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:18	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:18	JMB
Aroclor-1254 [2]	0.12	0.085	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:18	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:18	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:18	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:18	JMB
	0.28		mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:18	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		52.9	30-150					4/17/15 1:18	
Decachlorobiphenyl [2]		64.1	30-150					4/17/15 1:18	
Tetrachloro-m-xylene [1]		66.7	30-150					4/17/15 1:18	
Tetrachloro-m-xylene [2]		76.1	30-150					4/17/15 1:18	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208-M007

Sampled: 4/3/2015 00:00

Sample ID: 15D0213-03

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.73	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:25	JMB
Aroclor-1221 [1]	ND	0.73	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:25	JMB
Aroclor-1232 [1]	ND	0.73	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:25	JMB
Aroclor-1242 [1]	ND	0.73	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:25	JMB
Aroclor-1248 [1]	ND	0.73	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:25	JMB
Aroclor-1254 [1]	ND	0.73	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:25	JMB
Aroclor-1260 [1]	ND	0.73	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:25	JMB
Aroclor-1262 [1]	ND	0.73	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:25	JMB
Aroclor-1268 [1]	ND	0.73	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:25	JMB
	0.0		mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:25	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		111	30-150					4/18/15 20:25	
Decachlorobiphenyl [2]		102	30-150					4/18/15 20:25	
Tetrachloro-m-xylene [1]		103	30-150					4/18/15 20:25	
Tetrachloro-m-xylene [2]		97.2	30-150					4/18/15 20:25	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040315-SMOHI-BA-R208-M008

Sampled: 4/3/2015 00:00

Sample ID: 15D0213-04

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:43	JMB
Aroclor-1221 [1]	ND	0.79	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:43	JMB
Aroclor-1232 [1]	ND	0.79	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:43	JMB
Aroclor-1242 [1]	ND	0.79	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:43	JMB
Aroclor-1248 [1]	ND	0.79	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:43	JMB
Aroclor-1254 [1]	ND	0.79	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:43	JMB
Aroclor-1260 [1]	ND	0.79	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:43	JMB
Aroclor-1262 [1]	ND	0.79	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:43	JMB
Aroclor-1268 [1]	ND	0.79	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:43	JMB
	0.0		mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 20:43	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	128	30-150						4/18/15 20:43	
Decachlorobiphenyl [2]	118	30-150						4/18/15 20:43	
Tetrachloro-m-xylene [1]	121	30-150						4/18/15 20:43	
Tetrachloro-m-xylene [2]	120	30-150						4/18/15 20:43	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R105-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/17/15 10:03	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/17/15 10:03	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/17/15 10:03	JMB
Aroclor-1242 [2]	2.2	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/17/15 10:03	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/17/15 10:03	JMB
Aroclor-1254 [2]	5.9	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/17/15 10:03	JMB
Aroclor-1260 [2]	1.6	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/17/15 10:03	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/17/15 10:03	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/17/15 10:03	JMB
	9.6		mg/Kg	10		SW-846 8082A	4/15/15	4/17/15 10:03	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.6	30-150					4/17/15 10:03	
Decachlorobiphenyl [2]		86.7	30-150					4/17/15 10:03	
Tetrachloro-m-xylene [1]		105	30-150					4/17/15 10:03	
Tetrachloro-m-xylene [2]		98.4	30-150					4/17/15 10:03	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R105-M002

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:06	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:06	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:06	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:06	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:06	JMB
Aroclor-1254 [2]	4.5	0.50	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:06	JMB
Aroclor-1260 [1]	2.5	0.50	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:06	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:06	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:06	JMB
		7.0	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:06	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.3	30-150					4/23/15 14:06	
Decachlorobiphenyl [2]		86.3	30-150					4/23/15 14:06	
Tetrachloro-m-xylene [1]		79.5	30-150					4/23/15 14:06	
Tetrachloro-m-xylene [2]		73.3	30-150					4/23/15 14:06	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R105-M003

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:19	JMB
Aroclor-1221 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:19	JMB
Aroclor-1232 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:19	JMB
Aroclor-1242 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:19	JMB
Aroclor-1248 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:19	JMB
Aroclor-1254 [2]	3.5	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:19	JMB
Aroclor-1260 [1]	1.7	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:19	JMB
Aroclor-1262 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:19	JMB
Aroclor-1268 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:19	JMB
		5.2	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:19	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.5	30-150					4/23/15 14:19	
Decachlorobiphenyl [2]		89.2	30-150					4/23/15 14:19	
Tetrachloro-m-xylene [1]		91.3	30-150					4/23/15 14:19	
Tetrachloro-m-xylene [2]		83.9	30-150					4/23/15 14:19	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R105-M004

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:43	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:43	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:43	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:43	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:43	JMB
Aroclor-1254 [2]	0.33	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:43	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:43	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:43	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:43	JMB
	0.33		mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:43	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		59.9	30-150					4/17/15 1:43	
Decachlorobiphenyl [2]		80.8	30-150					4/17/15 1:43	
Tetrachloro-m-xylene [1]		91.4	30-150					4/17/15 1:43	
Tetrachloro-m-xylene [2]		104	30-150					4/17/15 1:43	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R105-M005

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:56	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:56	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:56	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:56	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:56	JMB
Aroclor-1254 [2]	0.30	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:56	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:56	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:56	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:56	JMB
	0.30		mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 1:56	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	56.2	30-150						4/17/15 1:56	
Decachlorobiphenyl [2]	69.3	30-150						4/17/15 1:56	
Tetrachloro-m-xylene [1]	82.3	30-150						4/17/15 1:56	
Tetrachloro-m-xylene [2]	91.4	30-150						4/17/15 1:56	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R105-M006

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:09	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:09	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:09	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:09	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:09	JMB
Aroclor-1254 [1]	0.45	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:09	JMB
Aroclor-1260 [2]	0.53	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:09	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:09	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:09	JMB
	0.98		mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:09	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	61.6	30-150						4/17/15 2:09	
Decachlorobiphenyl [2]	71.8	30-150						4/17/15 2:09	
Tetrachloro-m-xylene [1]	83.1	30-150						4/17/15 2:09	
Tetrachloro-m-xylene [2]	93.3	30-150						4/17/15 2:09	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R105-M007

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-11

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:01	JMB
Aroclor-1221 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:01	JMB
Aroclor-1232 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:01	JMB
Aroclor-1242 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:01	JMB
Aroclor-1248 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:01	JMB
Aroclor-1254 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:01	JMB
Aroclor-1260 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:01	JMB
Aroclor-1262 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:01	JMB
Aroclor-1268 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:01	JMB
	0.0		mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:01	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					4/18/15 21:01	
Decachlorobiphenyl [2]		102	30-150					4/18/15 21:01	
Tetrachloro-m-xylene [1]		89.3	30-150					4/18/15 21:01	
Tetrachloro-m-xylene [2]		92.0	30-150					4/18/15 21:01	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R105-M008

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:47	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:47	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:47	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:47	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:47	JMB
Aroclor-1254 [2]	0.13	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:47	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:47	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:47	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:47	JMB
	0.13		mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 2:47	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.3	30-150					4/17/15 2:47	
Decachlorobiphenyl [2]		91.6	30-150					4/17/15 2:47	
Tetrachloro-m-xylene [1]		97.3	30-150					4/17/15 2:47	
Tetrachloro-m-xylene [2]		112	30-150					4/17/15 2:47	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R105-M009

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-13

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.2	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:32	JMB
Aroclor-1221 [1]	ND	9.2	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:32	JMB
Aroclor-1232 [1]	ND	9.2	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:32	JMB
Aroclor-1242 [1]	ND	9.2	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:32	JMB
Aroclor-1248 [1]	ND	9.2	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:32	JMB
Aroclor-1254 [1]	ND	9.2	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:32	JMB
Aroclor-1260 [1]	ND	9.2	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:32	JMB
Aroclor-1262 [1]	ND	9.2	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:32	JMB
Aroclor-1268 [1]	ND	9.2	mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:32	JMB
	0.0		mg/Kg	20		SW-846 8082A	4/13/15	4/24/15 19:32	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.8	30-150					4/24/15 19:32	
Decachlorobiphenyl [2]		88.2	30-150					4/24/15 19:32	
Tetrachloro-m-xylene [1]		49.1	30-150					4/24/15 19:32	
Tetrachloro-m-xylene [2]		45.3	30-150					4/24/15 19:32	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R105-M010

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:00	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:00	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:00	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:00	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:00	JMB
Aroclor-1254 [2]	0.17	0.082	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:00	JMB
Aroclor-1260 [2]	0.17	0.082	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:00	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:00	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:00	JMB
	0.33		mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:00	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.3	30-150					4/17/15 3:00	
Decachlorobiphenyl [2]		85.8	30-150					4/17/15 3:00	
Tetrachloro-m-xylene [1]		92.0	30-150					4/17/15 3:00	
Tetrachloro-m-xylene [2]		102	30-150					4/17/15 3:00	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R105-M011

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/24/15 19:50	JMB
Aroclor-1221 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/24/15 19:50	JMB
Aroclor-1232 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/24/15 19:50	JMB
Aroclor-1242 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/24/15 19:50	JMB
Aroclor-1248 [1]	0.66	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/24/15 19:50	JMB
Aroclor-1254 [1]	1.4	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/24/15 19:50	JMB
Aroclor-1260 [2]	1.3	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/24/15 19:50	JMB
Aroclor-1262 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/24/15 19:50	JMB
Aroclor-1268 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	4/13/15	4/24/15 19:50	JMB
	3.4		mg/Kg	1		SW-846 8082A	4/13/15	4/24/15 19:50	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.7	30-150					4/24/15 19:50	
Decachlorobiphenyl [2]		84.1	30-150					4/24/15 19:50	
Tetrachloro-m-xylene [1]		66.4	30-150					4/24/15 19:50	
Tetrachloro-m-xylene [2]		61.1	30-150					4/24/15 19:50	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R214-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-16

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:19	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:19	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:19	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:19	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:19	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:19	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:19	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:19	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:19	JMB
	0.0		mg/Kg	8		SW-846 8082A	4/15/15	4/18/15 21:19	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					4/18/15 21:19	
Decachlorobiphenyl [2]		100	30-150					4/18/15 21:19	
Tetrachloro-m-xylene [1]		89.4	30-150					4/18/15 21:19	
Tetrachloro-m-xylene [2]		92.1	30-150					4/18/15 21:19	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M012

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:12	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:12	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:12	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:12	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:12	JMB
Aroclor-1254 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:12	JMB
Aroclor-1260 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:12	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:12	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:12	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:12	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.8	30-150					4/17/15 3:12	
Decachlorobiphenyl [2]		93.2	30-150					4/17/15 3:12	
Tetrachloro-m-xylene [1]		100	30-150					4/17/15 3:12	
Tetrachloro-m-xylene [2]		113	30-150					4/17/15 3:12	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:16	JMB
Aroclor-1221 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:16	JMB
Aroclor-1232 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:16	JMB
Aroclor-1242 [1]	1.7	0.35	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:16	JMB
Aroclor-1248 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:16	JMB
Aroclor-1254 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:16	JMB
Aroclor-1260 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:16	JMB
Aroclor-1262 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:16	JMB
Aroclor-1268 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:16	JMB
	1.7		mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:16	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	93.4	30-150						4/17/15 10:16	
Decachlorobiphenyl [2]	93.9	30-150						4/17/15 10:16	
Tetrachloro-m-xylene [1]	106	30-150						4/17/15 10:16	
Tetrachloro-m-xylene [2]	106	30-150						4/17/15 10:16	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M002

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:29	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:29	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:29	JMB
Aroclor-1242 [1]	2.7	0.49	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:29	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:29	JMB
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:29	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:29	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:29	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:29	JMB
	2.7		mg/Kg	5		SW-846 8082A	4/15/15	4/17/15 10:29	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	80.5	30-150						4/17/15 10:29	
Decachlorobiphenyl [2]	84.5	30-150						4/17/15 10:29	
Tetrachloro-m-xylene [1]	94.5	30-150						4/17/15 10:29	
Tetrachloro-m-xylene [2]	97.8	30-150						4/17/15 10:29	

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Project Location: SMO

Sample Description:

Work Order: 15D0213

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M003

Sampled: 4/2/2015 00:00

Sample ID: 15D0213-20

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1	R-06	SW-846 8082A	4/15/15	4/17/15 3:50	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:50	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:50	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:50	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:50	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:50	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:50	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:50	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:50	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/17/15 3:50	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.7	30-150					4/17/15 3:50	
Decachlorobiphenyl [2]		85.6	30-150					4/17/15 3:50	
Tetrachloro-m-xylene [1]		90.8	30-150					4/17/15 3:50	
Tetrachloro-m-xylene [2]		101	30-150					4/17/15 3:50	

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0213-06 [040215-SMOHI-BA-R105-M002]	B119204	0.202	10.0	04/13/15
15D0213-07 [040215-SMOHI-BA-R105-M003]	B119204	0.215	10.0	04/13/15
15D0213-13 [040215-SMOHI-BA-R105-M009]	B119204	0.218	10.0	04/13/15
15D0213-15 [040215-SMOHI-BA-R105-M011]	B119204	0.212	10.0	04/13/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0213-01 [040315-SMOHI-BA-R208-M005]	B119320	2.09	10.0	04/15/15
15D0213-02 [040315-SMOHI-BA-R208-M006]	B119320	2.35	10.0	04/15/15
15D0213-03 [040315-SMOHI-BA-R208-M007]	B119320	2.20	10.0	04/15/15
15D0213-04 [040315-SMOHI-BA-R208-M008]	B119320	2.03	10.0	04/15/15
15D0213-05 [040215-SMOHI-BA-R105-M001]	B119320	2.11	10.0	04/15/15
15D0213-08 [040215-SMOHI-BA-R105-M004]	B119320	2.05	10.0	04/15/15
15D0213-09 [040215-SMOHI-BA-R105-M005]	B119320	2.09	10.0	04/15/15
15D0213-10 [040215-SMOHI-BA-R105-M006]	B119320	2.00	10.0	04/15/15
15D0213-11 [040215-SMOHI-BA-R105-M007]	B119320	2.27	10.0	04/15/15
15D0213-12 [040215-SMOHI-BA-R105-M008]	B119320	2.00	10.0	04/15/15
15D0213-14 [040215-SMOHI-BA-R105-M010]	B119320	2.43	10.0	04/15/15
15D0213-16 [040215-SMOHI-BA-R214-M001]	B119320	2.04	10.0	04/15/15
15D0213-17 [040215-SMOHI-BA-R206C-M012]	B119320	2.25	10.0	04/15/15
15D0213-18 [040215-SMOHI-BA-R206C-M001]	B119320	2.83	10.0	04/15/15
15D0213-19 [040215-SMOHI-BA-R206C-M002]	B119320	2.03	10.0	04/15/15
15D0213-20 [040215-SMOHI-BA-R206C-M003]	B119320	2.00	10.0	04/15/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119204 - SW-846 3540C

Blank (B119204-BLK1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	10.4		mg/Kg	10.0		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.09		mg/Kg	10.0		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	9.93		mg/Kg	10.0		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.70		mg/Kg	10.0		87.0	30-150			

LCS (B119204-BS1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		104	40-140			
Aroclor-1260	2.6	0.50	mg/Kg	2.50		103	40-140			
Aroclor-1260 [2C]	2.7	0.50	mg/Kg	2.50		109	40-140			
Surrogate: Decachlorobiphenyl	10.2		mg/Kg	10.0		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.95		mg/Kg	10.0		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	9.41		mg/Kg	10.0		94.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.31		mg/Kg	10.0		83.1	30-150			

LCS Dup (B119204-BSD1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140	0.369	30	
Aroclor-1016 [2C]	2.7	0.50	mg/Kg	2.50		107	40-140	3.07	30	
Aroclor-1260	2.8	0.50	mg/Kg	2.50		112	40-140	8.25	30	
Aroclor-1260 [2C]	3.0	0.50	mg/Kg	2.50		119	40-140	9.04	30	
Surrogate: Decachlorobiphenyl	10.8		mg/Kg	10.0		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.56		mg/Kg	10.0		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	10.3		mg/Kg	10.0		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.18		mg/Kg	10.0		91.8	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119320 - SW-846 3540C

Blank (B119320-BLK1)

Prepared: 04/15/15 Analyzed: 04/17/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.809		mg/Kg	1.00		80.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.929		mg/Kg	1.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.06		mg/Kg	1.00		106	30-150			

LCS (B119320-BS1)

Prepared: 04/15/15 Analyzed: 04/17/15

Aroclor-1016	0.28	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		108	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140			
Surrogate: Decachlorobiphenyl	0.840		mg/Kg	1.00		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.937		mg/Kg	1.00		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.06		mg/Kg	1.00		106	30-150			

LCS Dup (B119320-BSD1)

Prepared: 04/15/15 Analyzed: 04/17/15

Aroclor-1016	0.28	0.10	mg/Kg	0.250		113	40-140	2.74	30	
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		109	40-140	0.958	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		113	40-140	2.46	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		114	40-140	2.28	30	
Surrogate: Decachlorobiphenyl	0.836		mg/Kg	1.00		83.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.999		mg/Kg	1.00		99.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.933		mg/Kg	1.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.05		mg/Kg	1.00		105	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119320 - SW-846 3540C

Matrix Spike (B119320-MS1)

Source: 15D0213-20

Prepared: 04/15/15 Analyzed: 04/17/15

Aroclor-1016	0.80	0.10	mg/Kg	0.250	ND	321 *	40-140			MS-23
Aroclor-1016 [2C]	0.86	0.10	mg/Kg	0.250	ND	343 *	40-140			MS-23
Aroclor-1260	0.27	0.10	mg/Kg	0.250	ND	110	40-140			
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250	ND	121	40-140			
Surrogate: Decachlorobiphenyl	0.834		mg/Kg	1.00		83.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.985		mg/Kg	1.00		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.799		mg/Kg	1.00		79.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.885		mg/Kg	1.00		88.5	30-150			

Matrix Spike Dup (B119320-MSD1)

Source: 15D0213-20

Prepared: 04/15/15 Analyzed: 04/17/15

Aroclor-1016	0.37	0.10	mg/Kg	0.250	ND	147 *	40-140	74.5 *	50	R-06
Aroclor-1016 [2C]	0.35	0.10	mg/Kg	0.250	ND	140	40-140	84.1 *	50	R-06
Aroclor-1260	0.26	0.10	mg/Kg	0.250	ND	106	40-140	3.58	50	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250	ND	108	40-140	11.5	50	
Surrogate: Decachlorobiphenyl	0.856		mg/Kg	1.00		85.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.989		mg/Kg	1.00		98.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.957		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.08		mg/Kg	1.00		108	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

040315-SMOHI-BA-R208-M006

SW-846 8082A

Lab Sample ID: 15D0213-02 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1242	1	0.00	0.00	0.00	0.14	
	2	0.00	0.00	0.00	0.16	15.5
Aroclor-1254	1	0.00	0.00	0.00	0.12	
	2	0.00	0.00	0.00	0.12	3.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R105-M001

Lab Sample ID: 15D0213-05 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1242	1	0.00	0.00	0.00	2.0	
	2	0.00	0.00	0.00	2.2	8.5
Aroclor-1254	1	0.00	0.00	0.00	5.2	
	2	0.00	0.00	0.00	5.9	13.0
Aroclor-1260	1	0.00	0.00	0.00	1.2	
	2	0.00	0.00	0.00	1.6	28.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R105-M002

Lab Sample ID: 15D0213-06 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	3.4	
	2	0.00	0.00	0.00	4.5	28.1
Aroclor-1260	1	0.00	0.00	0.00	2.5	
	2	0.00	0.00	0.00	2.2	12.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R105-M003

Lab Sample ID: 15D0213-07 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	3.5	23.3
Aroclor-1260	1	0.00	0.00	0.00	1.7	
	2	0.00	0.00	0.00	1.4	21.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R105-M004

Lab Sample ID: 15D0213-08 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.33	18.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R105-M005

Lab Sample ID: 15D0213-09 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.30	10.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R105-M006

Lab Sample ID: 15D0213-10 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.45	
	2	0.00	0.00	0.00	0.56	22.4
Aroclor-1260	1	0.00	0.00	0.00	0.44	
	2	0.00	0.00	0.00	0.53	18.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R105-M008

Lab Sample ID: 15D0213-12 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.11	
	2	0.00	0.00	0.00	0.13	20.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R105-M010

Lab Sample ID: 15D0213-14 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.16	
	2	0.00	0.00	0.00	0.17	6.1
Aroclor-1260	1	0.00	0.00	0.00	0.15	
	2	0.00	0.00	0.00	0.17	12.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R105-M011

Lab Sample ID: 15D0213-15 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	0.66	
	2	0.00	0.00	0.00	0.51	26.1
Aroclor-1254	1	0.00	0.00	0.00	1.4	
	2	0.00	0.00	0.00	1.4	2.8
Aroclor-1260	1	0.00	0.00	0.00	1.3	
	2	0.00	0.00	0.00	1.3	1.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R206C-M001

Lab Sample ID: 15D0213-18 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1242	1	0.00	0.00	0.00	1.7	
	2	0.00	0.00	0.00	1.6	3.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R206C-M002

Lab Sample ID: 15D0213-19 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1242	1	0.00	0.00	0.00	2.7	
	2	0.00	0.00	0.00	2.6	5.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B119204-BS1

Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	2.6	7
Aroclor-1260	1	0.00	0.00	0.00	2.6	
	2	0.00	0.00	0.00	2.7	5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*Lab Sample ID: B119204-BSD1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	2.7	4
Aroclor-1260	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	3.0	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119320-BS1 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.27	2
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.28	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119320-BSD1 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.27	5
Aroclor-1260	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.28	1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike

Lab Sample ID: B119320-MS1 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.80	
	2	0.00	0.00	0.00	0.86	7
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.30	9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B119320-MSD1 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.37	
	2	0.00	0.00	0.00	0.35	5
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.27	2

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-23	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.
O-27	Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-12	Elevated reporting limit due to matrix interference.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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(602) 734-7701 (fax)

15D0213

PROJECT NAME / FACILITY ID: SMD Inspection

MSA#: _____ WO#: _____

PROJECT NUMBER: 0433980R DATE: 04/03/15

FIELD PERSON: DC & GT

PROJECT LOCATION: SMD

PROJECT MANAGER: Jason Wilkinson

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF & Excel

LABORATORY: Comtest

SAMPLER:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS
GT	2015									PCB 8082	50x Extractom	
Jarron Turner												
040315-SMDH1-BA-R109-M003	0403	NA	NA	NA	NA	I	NA	COU	X	X		
" - M004												
040315-SMDH1-BA-R214-M002												
" - M003												
040315-SMDH1-BA-R206-M001												
" - M002												
" - M003												
" - M004												
" - M005												
" - M006												
" - M007												
" - M008												
TOTAL		X	X	X								

61
02
03
04

RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: 10:45	TURNAROUND TIME (CIRCLE ONE) SAME DAY 24 HOURS 48 HOURS 72 HOURS 5 DAYS NORMAL	
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: 4/4/15 2:00		
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____	SAMPLE INTEGRITY INTACT: Y N Temp _____	IF SEALED, SEAL INTEGRITY INTACT: Y N

H = HCL; N = HNO₃; S = H₂SO₄; U = UNKNOWN; NO = NONE; O = OTHER

18100 Von Karman Ave., Suite 600 Irvine, CA 92612 (949) 261-5151 (949) 261-6202 (fax)
 707 Wilshire Blvd., Suite 4950 Los Angeles, Calif. 90017 (213) 943-6300 (213) 943-6301 (fax)
 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

15 D0213

 PROJECT NAME / FACILITY ID: SMO Inspection

MSA#: _____ WO#: _____

 PROJECT NUMBER: 0433980 R DATE: 04/03/2015

 FIELD PERSON: SY/RS

 PROJECT LOCATION: SMO

 PROJECT MANAGER: Jason Wilkinson

 LABORATORY: Contest

 IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: Excel & PDF

SAMPLER: <u>RB</u>	YEAR		SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS	
	SIGNATURE:	SAMPLE DATE										
SAMPLE I.D. NUMBER												
<u>05</u>	<u>040215-SMOH-I-BA-R105-M001</u>	<u>0402</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>1</u>	<u>NA</u>	<u>COLD</u>	<u>PCB8082</u> <u>50x Extraction</u>		
<u>06</u>	<u>-M002</u>											
<u>07</u>	<u>-M003</u>											
<u>08</u>	<u>-M004</u>											
<u>09</u>	<u>-M005</u>											
<u>10</u>	<u>-M006</u>											
<u>11</u>	<u>-M007</u>											
<u>12</u>	<u>-M008</u>											
<u>13</u>	<u>-M009</u>											
<u>14</u>	<u>-M010</u>											
<u>15</u>	<u>-M011</u>											
<u>16</u>	<u>040215-SMOH-I-BA-R214-M001</u>											
<u>X SY</u>												
TOTAL		XX	XX	XX								

RELINQUISHED BY:	TIME/DATE: <u>4/3</u>	RECEIVED BY:	TIME/DATE: <u>4/15 2:00</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:		24 HOURS	5 DAYS
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
				INTACT: Y N Temp _____	INTACT: Y N	

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H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER

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15D0213

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: SMO Inspection

FIELD PERSON: SY, RB

PROJECT NUMBER: 0433980R DATE: 04/02/2015

PROJECT MANAGER: Jason Wilkinson

PROJECT LOCATION: SMD

LABORATORY: Contest

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: Excel, PPF

SAMPLER: <u>RB</u>	SIGNATURE: _____	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED						COMMENTS		
											PCB8082	SO ₄ Extraction							
17			04/02	NA	NA	NA	NA	1	NA	Cold	x	x							
TOTAL			X	X	X														

RELINQUISHED BY: _____	TIME/DATE: <u>4/3</u>	RECEIVED BY: _____	TIME/DATE: <u>4/15</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____		24 HOURS	<u>NORMAL</u>
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
				INTACT: Y N Temp _____	INTACT: Y N	

H = HCL; N = HNO₃; S = H₂SO₄; U = UNKNOWN; NO = NONE; O = OTHER

1500213

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Phoenix, AZ 85016
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(602) 734-7701 (fax)

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: SMO Inspection

FIELD PERSON: SY, RB

PROJECT NUMBER: 0433980R DATE: 04/02/2015

PROJECT MANAGER: Jason Wilkinson

PROJECT LOCATION: SMO

LABORATORY: Comtest

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: Excel, PDF

SAMPLER: <u>RB</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS
	2015									<u>PCB/OPZ</u>	<u>SO₂ Extraction</u>	
SIGNATURE: <u>[Signature]</u>												
SAMPLE I.D. NUMBER												
18 <u>040215-SMO-HI-BAR-Z06-C-M001</u>		<u>0402</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>1</u>	<u>NA</u>	<u>Cold</u>	<u>x</u>	<u>x</u>	
19 <u>-M002</u>												
20 <u>-M003</u>												
20 <u>-M003M</u>												<u>X</u> <u>MS/MSD</u>
20 <u>-M003MSD</u>												<u>X</u> <u>MS/MSD</u>
<u>-M004</u>												
<u>-M005</u>												
<u>-M006</u>												
<u>-M007</u>												
<u>-M008</u>												
<u>-M009</u>												
<u>-M010</u>												
<u>-M011</u>												
TOTAL		X	X	X								

RELINQUISHED BY: <u>[Signature]</u>	TIME/DATE: <u>4/3</u>	RECEIVED BY: <u>[Signature]</u>	TIME/DATE: <u>4/4/15</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY 24 HOURS 48 HOURS	72 HOURS 5 DAYS NORMAL
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:			
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	INTACT: Y N Temp _____	INTACT: Y N	

18
19
20
20
20

H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER

FedEx® Tracking

773289410544

Ship (PAU) date :
Fri 4/03/2015 5:11 pm

Actual delivery :
Sat 4/04/2015 10:45 am

Irvine, CA US



Delivered

Signed for by: J.MJM M

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
4/04/2015 - Saturday		
10:45 am	Delivered	EAST LONGMEADOW, MA
8:14 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:09 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	EAST GRANBY, CT
3:38 am	Departed FedEx location	MEMPHIS, TN
1:36 am	Arrived at FedEx location	MEMPHIS, TN
4/03/2015 - Friday		
6:15 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:11 pm	Picked up	SANTA MONICA, CA
12:40 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773289410544	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x14 in.
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	For Saturday Delivery, Additional Handling Surcharge



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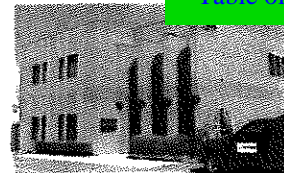
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39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: MJ DATE: 4/14/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain:
- 3) Are all the samples in good condition? Yes No
 If not, explain:

- 4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

- 5) Are there Dissolved samples for the lab to filter? Yes No
- Who was notified _____ Date _____ Time _____
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
- Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

- 8) Do all samples have the proper Acid pH: Yes No N/A
- 9) Do all samples have the proper Base pH: Yes No N/A
- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz amber/clear jar	
500 mL Amber			4 oz amber/clear jar	22
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Plastic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			Non-ConTest Container	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Login Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials:

Date/Time:

Date/Time:

MS 4/4/15 10:45

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0214

Enclosed are results of analyses for samples received by the laboratory on April 4, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0214

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040215-SMOHI-BA-R206C-M004	15D0214-01	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R206C-M005	15D0214-02	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R206C-M006	15D0214-03	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R206C-M007	15D0214-04	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R206C-M008	15D0214-05	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R206C-M009	15D0214-06	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R206C-M010	15D0214-07	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R206C-M011	15D0214-08	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:**O-04**

Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:**Aroclor-1242**

15D0214-01[040215-SMOHI-BA-R206C-M004]

Aroclor-1242 [2C]

15D0214-01[040215-SMOHI-BA-R206C-M004]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0214-02[040215-SMOHI-BA-R206C-M005], 15D0214-03[040215-SMOHI-BA-R206C-M006]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0214

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M004

Sampled: 4/2/2015 00:00

Sample ID: 15D0214-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/7/15	4/14/15 10:21	PJG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/7/15	4/14/15 10:21	PJG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/7/15	4/14/15 10:21	PJG
Aroclor-1242 [1]	2.3	0.49	mg/Kg	5	O-04	SW-846 8082A	4/7/15	4/14/15 10:21	PJG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/7/15	4/14/15 10:21	PJG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/7/15	4/14/15 10:21	PJG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/7/15	4/14/15 10:21	PJG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/7/15	4/14/15 10:21	PJG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	4/7/15	4/14/15 10:21	PJG
	2.3		mg/Kg	5		SW-846 8082A	4/7/15	4/14/15 10:21	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.3	30-150					4/14/15 10:21	
Decachlorobiphenyl [2]		86.2	30-150					4/14/15 10:21	
Tetrachloro-m-xylene [1]		76.8	30-150					4/14/15 10:21	
Tetrachloro-m-xylene [2]		82.2	30-150					4/14/15 10:21	

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Project Location: SMO

Sample Description:

Work Order: 15D0214

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M005

Sampled: 4/2/2015 00:00

Sample ID: 15D0214-02

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:17	JMB
Aroclor-1221 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:17	JMB
Aroclor-1232 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:17	JMB
Aroclor-1242 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:17	JMB
Aroclor-1248 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:17	JMB
Aroclor-1254 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:17	JMB
Aroclor-1260 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:17	JMB
Aroclor-1262 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:17	JMB
Aroclor-1268 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:17	JMB
	0.0		mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.5	30-150					4/18/15 16:17	
Decachlorobiphenyl [2]		87.8	30-150					4/18/15 16:17	
Tetrachloro-m-xylene [1]		69.3	30-150					4/18/15 16:17	
Tetrachloro-m-xylene [2]		72.3	30-150					4/18/15 16:17	

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Project Location: SMO

Sample Description:

Work Order: 15D0214

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M006

Sampled: 4/2/2015 00:00

Sample ID: 15D0214-03

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:36	JMB
Aroclor-1221 [1]	ND	0.80	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:36	JMB
Aroclor-1232 [1]	ND	0.80	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:36	JMB
Aroclor-1242 [1]	ND	0.80	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:36	JMB
Aroclor-1248 [1]	ND	0.80	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:36	JMB
Aroclor-1254 [1]	ND	0.80	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:36	JMB
Aroclor-1260 [1]	ND	0.80	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:36	JMB
Aroclor-1262 [1]	ND	0.80	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:36	JMB
Aroclor-1268 [1]	ND	0.80	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:36	JMB
	0.0		mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	84.8	30-150	4/18/15 16:36
Decachlorobiphenyl [2]	83.6	30-150	4/18/15 16:36
Tetrachloro-m-xylene [1]	68.3	30-150	4/18/15 16:36
Tetrachloro-m-xylene [2]	71.3	30-150	4/18/15 16:36

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Project Location: SMO

Sample Description:

Work Order: 15D0214

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M007

Sampled: 4/2/2015 00:00

Sample ID: 15D0214-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:54	JMB
Aroclor-1221 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:54	JMB
Aroclor-1232 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:54	JMB
Aroclor-1242 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:54	JMB
Aroclor-1248 [2]	0.85	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:54	JMB
Aroclor-1254 [2]	1.1	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:54	JMB
Aroclor-1260 [2]	1.1	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:54	JMB
Aroclor-1262 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:54	JMB
Aroclor-1268 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:54	JMB
	3.1		mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 16:54	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		108	30-150					4/18/15 16:54	
Decachlorobiphenyl [2]		107	30-150					4/18/15 16:54	
Tetrachloro-m-xylene [1]		86.1	30-150					4/18/15 16:54	
Tetrachloro-m-xylene [2]		90.8	30-150					4/18/15 16:54	

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Project Location: SMO

Sample Description:

Work Order: 15D0214

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M008

Sampled: 4/2/2015 00:00

Sample ID: 15D0214-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:12	JMB
Aroclor-1221 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:12	JMB
Aroclor-1232 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:12	JMB
Aroclor-1242 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:12	JMB
Aroclor-1248 [2]	0.81	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:12	JMB
Aroclor-1254 [2]	1.1	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:12	JMB
Aroclor-1260 [2]	1.1	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:12	JMB
Aroclor-1262 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:12	JMB
Aroclor-1268 [1]	ND	0.75	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:12	JMB
	3.0		mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:12	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.4	30-150					4/18/15 17:12	
Decachlorobiphenyl [2]		96.8	30-150					4/18/15 17:12	
Tetrachloro-m-xylene [1]		79.7	30-150					4/18/15 17:12	
Tetrachloro-m-xylene [2]		83.9	30-150					4/18/15 17:12	

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Project Location: SMO

Sample Description:

Work Order: 15D0214

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M009

Sampled: 4/2/2015 00:00

Sample ID: 15D0214-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:40	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:40	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:40	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:40	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:40	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:40	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:40	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:40	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:40	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:40	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.5	30-150					4/14/15 0:40	
Decachlorobiphenyl [2]		92.4	30-150					4/14/15 0:40	
Tetrachloro-m-xylene [1]		86.1	30-150					4/14/15 0:40	
Tetrachloro-m-xylene [2]		87.8	30-150					4/14/15 0:40	

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Project Location: SMO

Sample Description:

Work Order: 15D0214

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M010

Sampled: 4/2/2015 00:00

Sample ID: 15D0214-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:52	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:52	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:52	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:52	PJG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:52	PJG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:52	PJG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:52	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:52	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:52	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 0:52	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.5	30-150					4/14/15 0:52	
Decachlorobiphenyl [2]		90.9	30-150					4/14/15 0:52	
Tetrachloro-m-xylene [1]		81.3	30-150					4/14/15 0:52	
Tetrachloro-m-xylene [2]		83.2	30-150					4/14/15 0:52	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0214

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R206C-M011

Sampled: 4/2/2015 00:00

Sample ID: 15D0214-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 1:04	PJG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 1:04	PJG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 1:04	PJG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 1:04	PJG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 1:04	PJG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 1:04	PJG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 1:04	PJG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 1:04	PJG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 1:04	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/7/15	4/14/15 1:04	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.3	30-150					4/14/15 1:04	
Decachlorobiphenyl [2]		93.3	30-150					4/14/15 1:04	
Tetrachloro-m-xylene [1]		86.9	30-150					4/14/15 1:04	
Tetrachloro-m-xylene [2]		88.6	30-150					4/14/15 1:04	

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Sample Extraction Data**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0214-01 [040215-SMOHI-BA-R206C-M004]	B118719	2.03	10.0	04/07/15
15D0214-06 [040215-SMOHI-BA-R206C-M009]	B118719	2.10	10.0	04/07/15
15D0214-07 [040215-SMOHI-BA-R206C-M010]	B118719	2.04	10.0	04/07/15
15D0214-08 [040215-SMOHI-BA-R206C-M011]	B118719	2.15	10.0	04/07/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0214-02 [040215-SMOHI-BA-R206C-M005]	B119318	2.14	10.0	04/14/15
15D0214-03 [040215-SMOHI-BA-R206C-M006]	B119318	2.01	10.0	04/14/15
15D0214-04 [040215-SMOHI-BA-R206C-M007]	B119318	2.10	10.0	04/14/15
15D0214-05 [040215-SMOHI-BA-R206C-M008]	B119318	2.12	10.0	04/14/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118719 - SW-846 3540C

Blank (B118719-BLK1)

Prepared: 04/07/15 Analyzed: 04/13/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.931		mg/Kg	1.00		93.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.889		mg/Kg	1.00		88.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.828		mg/Kg	1.00		82.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.847		mg/Kg	1.00		84.7	30-150			

LCS (B118719-BS1)

Prepared: 04/07/15 Analyzed: 04/13/15

Aroclor-1016	0.25	0.10	mg/Kg	0.250		100	40-140			
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		101	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		106	40-140			
Surrogate: Decachlorobiphenyl	0.995		mg/Kg	1.00		99.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.951		mg/Kg	1.00		95.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.862		mg/Kg	1.00		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.880		mg/Kg	1.00		88.0	30-150			

LCS Dup (B118719-BSD1)

Prepared: 04/07/15 Analyzed: 04/13/15

Aroclor-1016	0.25	0.10	mg/Kg	0.250		99.8	40-140	0.350	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		101	40-140	0.0535	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		106	40-140	0.127	30	
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		106	40-140	0.363	30	
Surrogate: Decachlorobiphenyl	0.979		mg/Kg	1.00		97.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.938		mg/Kg	1.00		93.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.864		mg/Kg	1.00		86.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.882		mg/Kg	1.00		88.2	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B119318 - SW-846 3540C

Blank (B119318-BLK1)

Prepared: 04/14/15 Analyzed: 04/18/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.978		mg/Kg	1.00		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.846		mg/Kg	1.00		84.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.906		mg/Kg	1.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.831		mg/Kg	1.00		83.1	30-150			

LCS (B119318-BS1)

Prepared: 04/14/15 Analyzed: 04/18/15

Aroclor-1016	0.26	0.10	mg/Kg	0.250		105	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1260	0.30	0.10	mg/Kg	0.250		121	40-140			
Aroclor-1260 [2C]	0.32	0.10	mg/Kg	0.250		128	40-140			
Surrogate: Decachlorobiphenyl	1.22		mg/Kg	1.00		122	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	1.11		mg/Kg	1.00		111	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.00		mg/Kg	1.00		100	30-150			

LCS Dup (B119318-BSD1)

Prepared: 04/14/15 Analyzed: 04/18/15

Aroclor-1016	0.23	0.10	mg/Kg	0.250		93.3	40-140	12.1	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		98.2	40-140	8.90	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		110	40-140	8.96	30	
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250		118	40-140	7.71	30	
Surrogate: Decachlorobiphenyl	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.955		mg/Kg	1.00		95.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.961		mg/Kg	1.00		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.882		mg/Kg	1.00		88.2	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

040215-SMOHI-BA-R206C-M004

SW-846 8082A

Lab Sample ID: 15D0214-01 Date(s) Analyzed: 04/14/2015 04/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1242	1	0.00	0.00	0.00	2.3	
	2	0.00	0.00	0.00	2.3	0.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R206C-M007

Lab Sample ID: 15D0214-04 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1248	1	0.00	0.00	0.00	0.83	
	2	0.00	0.00	0.00	0.85	1.9
Aroclor-1254	1	0.00	0.00	0.00	0.91	
	2	0.00	0.00	0.00	1.1	18.9
Aroclor-1260	1	0.00	0.00	0.00	1.0	
	2	0.00	0.00	0.00	1.1	8.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R206C-M008

Lab Sample ID: 15D0214-05 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	0.00	0.00	1.1	
	2	0.00	0.00	0.00	1.1	1.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B118719-BSD1 Date(s) Analyzed: 04/13/2015 04/13/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.25	0
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.26	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*Lab Sample ID: B119318-BS1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.27	3
Aroclor-1260	1	0.00	0.00	0.00	0.30	
	2	0.00	0.00	0.00	0.32	6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119318-BSD1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.25	7
Aroclor-1260	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.30	8

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- O-04 Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
 - RL-12 Elevated reporting limit due to matrix interference.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

ISDOZ14

PROJECT NAME / FACILITY ID: SMO Inspection
 PROJECT NUMBER: 0433980R DATE: 04/02/2015
 PROJECT LOCATION: SMO

MSA#: _____ WO#: _____
 FIELD PERSON: SY, RB
 PROJECT MANAGER: Jason Wilkinson
 LABORATORY: Comtest

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: Excel, PDF

SAMPLER: <u>PB</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS
	2015									PCB/OPZ	Sox Extraction	
SIGNATURE: <u>[Signature]</u>												
SAMPLE I.D. NUMBER												
<u>040215-SMO HI-BAR 206 C-MO01</u>		<u>0402</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>1</u>	<u>NA</u>	<u>Cold</u>	<u>X</u>	<u>X</u>	
<u>-MO02</u>												
<u>-MO03</u>												
<u>-MO03A</u>												
<u>-MO03MSD</u>												<u>MS/MSD</u>
<u>-MO04</u>												
<u>-MO05</u>												
<u>-MO06</u>												
<u>-MO07</u>												
<u>-MO08</u>												
<u>-MO09</u>												
<u>-MO10</u>												
<u>-MO11</u>												
TOTAL		<u>X</u>	<u>X</u>	<u>X</u>								

01
02
03
04
05
06
07
08

H = HCL; N = NONE; U = UNKNOWN; S = H2SO4; 0 = OTHER

RELINQUISHED BY: <u>[Signature]</u>	TIME/DATE: <u>4/3</u>	RECEIVED BY: <u>[Signature]</u>	TIME/DATE: <u>4/4/15</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:		24 HOURS	5 DAYS
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:		48 HOURS	NORMAL
SAMPLE INTEGRITY				IF SEALED, SEAL INTEGRITY		
INTACT: Y N Temp _____				INTACT: Y N		



Ship Track Manage Learn FedEx Office®

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FedEx® Tracking

773289410544

Ship (P/U) date :
Fri 4/03/2015 5:11 pm

Actual delivery :
Sat 4/04/2015 10:45 am

Irvine, CA US



Delivered

Signed for by: J.MJM

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
- 4/04/2015 - Saturday		
10:45 am	Delivered	EAST LONGMEADOW, MA
8:14 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:09 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	EAST GRANBY, CT
3:38 am	Departed FedEx location	MEMPHIS, TN
1:36 am	Arrived at FedEx location	MEMPHIS, TN
- 4/03/2015 - Friday		
6:15 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:11 pm	Picked up	SANTA MONICA, CA
12:40 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773289410544	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x14 in.
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	For Saturday Delivery, Additional Handling Surcharge



Search

Customer Focus
 New Customer Center
 Small Business Center
 Service Guide
 Customer Support

Featured Services
 FedEx One Rate
 FedEx SameDay
 FedEx Home Delivery
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 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: MJ DATE: 4/4/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain: _____
- 3) Are all the samples in good condition? Yes No
 If not, explain: _____

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

- 5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

- 8) Do all samples have the proper Acid pH: Yes No N/A _____
- 9) Do all samples have the proper Base pH: Yes No N/A _____
- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz amber/clear jar	
500 mL Amber			4 oz <input checked="" type="radio"/> amber/clear jar	8
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Plastic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			Non-ConTest Container	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____ Doc# 277 # Bisulfate _____ # DI Water _____ Rev. 4 August 2013 # Thiosulfate _____ Unpreserved _____	Time and Date Frozen:
--	-----------------------

Login Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?
 Log-In Technician Initials:

Date/Time:
 Date/Time:

MS 4/4/15 10:45

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0215

Enclosed are results of analyses for samples received by the laboratory on April 4, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0215

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040215-SMOHI-BA-R104-M001	15D0215-01	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M002	15D0215-02	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M003	15D0215-03	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M004	15D0215-04	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M005	15D0215-05	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M006	15D0215-06	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M007	15D0215-07	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M008	15D0215-08	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M009	15D0215-09	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M010	15D0215-10	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M011	15D0215-11	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M012	15D0215-12	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M013	15D0215-13	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R104-M014	15D0215-14	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R100-M001	15D0215-15	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R100-M002	15D0215-16	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112A-M001	15D0215-17	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112A-M002	15D0215-18	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112A-M003	15D0215-19	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112A-M004	15D0215-20	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:**O-27**

Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

Analyte & Samples(s) Qualified:

15D0215-17[040215-SMOHI-BA-R112A-M001], 15D0215-18[040215-SMOHI-BA-R112A-M002], 15D0215-19[040215-SMOHI-BA-R112A-M003], 15D0215-20[040215-SMOHI-BA-R112A-M004]

O-32

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

15D0215-09[040215-SMOHI-BA-R104-M009], 15D0215-10[040215-SMOHI-BA-R104-M010], 15D0215-12[040215-SMOHI-BA-R104-M012], 15D0215-15[040215-SMOHI-BA-R100-M001]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0215-02[040215-SMOHI-BA-R104-M002], 15D0215-05[040215-SMOHI-BA-R104-M005], 15D0215-07[040215-SMOHI-BA-R104-M007], 15D0215-08[040215-SMOHI-BA-R104-M008], 15D0215-11[040215-SMOHI-BA-R104-M011], 15D0215-13[040215-SMOHI-BA-R104-M013], 15D0215-16[040215-SMOHI-BA-R100-M002]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:**Decachlorobiphenyl**

15D0215-17[040215-SMOHI-BA-R112A-M001], 15D0215-18[040215-SMOHI-BA-R112A-M002], 15D0215-19[040215-SMOHI-BA-R112A-M003], 15D0215-20[040215-SMOHI-BA-R112A-M004]

Decachlorobiphenyl [2C]

15D0215-17[040215-SMOHI-BA-R112A-M001], 15D0215-18[040215-SMOHI-BA-R112A-M002], 15D0215-19[040215-SMOHI-BA-R112A-M003], 15D0215-20[040215-SMOHI-BA-R112A-M004]

Tetrachloro-m-xylene

15D0215-17[040215-SMOHI-BA-R112A-M001], 15D0215-18[040215-SMOHI-BA-R112A-M002], 15D0215-19[040215-SMOHI-BA-R112A-M003], 15D0215-20[040215-SMOHI-BA-R112A-M004]

Tetrachloro-m-xylene [2C]

15D0215-17[040215-SMOHI-BA-R112A-M001], 15D0215-18[040215-SMOHI-BA-R112A-M002], 15D0215-19[040215-SMOHI-BA-R112A-M003], 15D0215-20[040215-SMOHI-BA-R112A-M004]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Aroclor-1221**

B119430-BLK1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Daren J. Damboragian", is written over a light gray rectangular background.

Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 8:32	KAL
Aroclor-1221 [2]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 8:32	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 8:32	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 8:32	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 8:32	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 8:32	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 8:32	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 8:32	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 8:32	KAL
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 8:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		118	30-150					4/18/15 8:32	
Decachlorobiphenyl [2]		115	30-150					4/18/15 8:32	
Tetrachloro-m-xylene [1]		116	30-150					4/18/15 8:32	
Tetrachloro-m-xylene [2]		118	30-150					4/18/15 8:32	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M002

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-02

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/15/15	4/20/15 11:33	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/15/15	4/20/15 11:33	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/15/15	4/20/15 11:33	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/15/15	4/20/15 11:33	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/15/15	4/20/15 11:33	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/15/15	4/20/15 11:33	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/15/15	4/20/15 11:33	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/15/15	4/20/15 11:33	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/15/15	4/20/15 11:33	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/15/15	4/20/15 11:33	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.6	30-150					4/20/15 11:33	
Decachlorobiphenyl [2]		86.6	30-150					4/20/15 11:33	
Tetrachloro-m-xylene [1]		76.5	30-150					4/20/15 11:33	
Tetrachloro-m-xylene [2]		73.7	30-150					4/20/15 11:33	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M003

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 23:16	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 23:16	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 23:16	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 23:16	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 23:16	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 23:16	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 23:16	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 23:16	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 23:16	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/16/15 23:16	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.9	30-150					4/16/15 23:16	
Decachlorobiphenyl [2]		69.3	30-150					4/16/15 23:16	
Tetrachloro-m-xylene [1]		56.5	30-150					4/16/15 23:16	
Tetrachloro-m-xylene [2]		62.6	30-150					4/16/15 23:16	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M004

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:14	KAL
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:14	KAL
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:14	KAL
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:14	KAL
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:14	KAL
Aroclor-1254 [2]	1.2	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:14	KAL
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:14	KAL
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:14	KAL
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:14	KAL
		1.3	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:14	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		64.2	30-150					4/21/15 6:14	
Decachlorobiphenyl [2]		61.0	30-150					4/21/15 6:14	
Tetrachloro-m-xylene [1]		83.9	30-150					4/21/15 6:14	
Tetrachloro-m-xylene [2]		74.7	30-150					4/21/15 6:14	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M005

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-05

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:32	KAL
Aroclor-1221 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:32	KAL
Aroclor-1232 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:32	KAL
Aroclor-1242 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:32	KAL
Aroclor-1248 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:32	KAL
Aroclor-1254 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:32	KAL
Aroclor-1260 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:32	KAL
Aroclor-1262 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:32	KAL
Aroclor-1268 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:32	KAL
		0.0	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					4/21/15 6:32	
Decachlorobiphenyl [2]		92.0	30-150					4/21/15 6:32	
Tetrachloro-m-xylene [1]		109	30-150					4/21/15 6:32	
Tetrachloro-m-xylene [2]		97.2	30-150					4/21/15 6:32	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M006

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:50	KAL
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:50	KAL
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:50	KAL
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:50	KAL
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:50	KAL
Aroclor-1254 [2]	2.1	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:50	KAL
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:50	KAL
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:50	KAL
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:50	KAL
	2.1		mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 6:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.6	30-150					4/21/15 6:50	
Decachlorobiphenyl [2]		90.9	30-150					4/21/15 6:50	
Tetrachloro-m-xylene [1]		117	30-150					4/21/15 6:50	
Tetrachloro-m-xylene [2]		107	30-150					4/21/15 6:50	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M007

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-07

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:07	KAL
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:07	KAL
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:07	KAL
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:07	KAL
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:07	KAL
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:07	KAL
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:07	KAL
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:07	KAL
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:07	KAL
		0.0	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		116	30-150					4/21/15 7:07	
Decachlorobiphenyl [2]		103	30-150					4/21/15 7:07	
Tetrachloro-m-xylene [1]		123	30-150					4/21/15 7:07	
Tetrachloro-m-xylene [2]		112	30-150					4/21/15 7:07	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M008

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-08

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:25	KAL
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:25	KAL
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:25	KAL
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:25	KAL
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:25	KAL
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:25	KAL
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:25	KAL
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:25	KAL
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:25	KAL
	0.0		mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 7:25	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	114	30-150	4/21/15 7:25						
Decachlorobiphenyl [2]	100	30-150	4/21/15 7:25						
Tetrachloro-m-xylene [1]	123	30-150	4/21/15 7:25						
Tetrachloro-m-xylene [2]	111	30-150	4/21/15 7:25						

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M009

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-09

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:04	JMB
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:04	JMB
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:04	JMB
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:04	JMB
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:04	JMB
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:04	JMB
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:04	JMB
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:04	JMB
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:04	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:04	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					4/23/15 19:04	
Decachlorobiphenyl [2]		93.1	30-150					4/23/15 19:04	
Tetrachloro-m-xylene [1]		102	30-150					4/23/15 19:04	
Tetrachloro-m-xylene [2]		97.5	30-150					4/23/15 19:04	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M010

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-10

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:38	JMB
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:38	JMB
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:38	JMB
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:38	JMB
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:38	JMB
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:38	JMB
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:38	JMB
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:38	JMB
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:38	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:38	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					4/23/15 18:38	
Decachlorobiphenyl [2]		96.6	30-150					4/23/15 18:38	
Tetrachloro-m-xylene [1]		108	30-150					4/23/15 18:38	
Tetrachloro-m-xylene [2]		103	30-150					4/23/15 18:38	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M011

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-11

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.83	mg/Kg	5		SW-846 8082A	4/15/15	4/21/15 7:43	KAL
Aroclor-1221 [1]	ND	0.83	mg/Kg	5		SW-846 8082A	4/15/15	4/21/15 7:43	KAL
Aroclor-1232 [1]	ND	0.83	mg/Kg	5		SW-846 8082A	4/15/15	4/21/15 7:43	KAL
Aroclor-1242 [1]	ND	0.83	mg/Kg	5		SW-846 8082A	4/15/15	4/21/15 7:43	KAL
Aroclor-1248 [1]	ND	0.83	mg/Kg	5		SW-846 8082A	4/15/15	4/21/15 7:43	KAL
Aroclor-1254 [1]	ND	0.83	mg/Kg	5		SW-846 8082A	4/15/15	4/21/15 7:43	KAL
Aroclor-1260 [1]	ND	0.83	mg/Kg	5		SW-846 8082A	4/15/15	4/21/15 7:43	KAL
Aroclor-1262 [1]	ND	0.83	mg/Kg	5		SW-846 8082A	4/15/15	4/21/15 7:43	KAL
Aroclor-1268 [1]	ND	0.83	mg/Kg	5		SW-846 8082A	4/15/15	4/21/15 7:43	KAL
	0.0		mg/Kg	5		SW-846 8082A	4/15/15	4/21/15 7:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.3	30-150					4/21/15 7:43	
Decachlorobiphenyl [2]		86.6	30-150					4/21/15 7:43	
Tetrachloro-m-xylene [1]		110	30-150					4/21/15 7:43	
Tetrachloro-m-xylene [2]		104	30-150					4/21/15 7:43	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M012

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-12

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:51	JMB
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:51	JMB
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:51	JMB
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:51	JMB
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:51	JMB
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:51	JMB
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:51	JMB
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:51	JMB
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:51	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 18:51	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.9	30-150					4/23/15 18:51	
Decachlorobiphenyl [2]		90.8	30-150					4/23/15 18:51	
Tetrachloro-m-xylene [1]		95.9	30-150					4/23/15 18:51	
Tetrachloro-m-xylene [2]		94.2	30-150					4/23/15 18:51	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M013

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-13

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 8:01	KAL
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 8:01	KAL
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 8:01	KAL
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 8:01	KAL
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 8:01	KAL
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 8:01	KAL
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 8:01	KAL
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 8:01	KAL
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 8:01	KAL
	0.0		mg/Kg	10		SW-846 8082A	4/15/15	4/21/15 8:01	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	106	30-150						4/21/15 8:01	
Decachlorobiphenyl [2]	92.5	30-150						4/21/15 8:01	
Tetrachloro-m-xylene [1]	112	30-150						4/21/15 8:01	
Tetrachloro-m-xylene [2]	101	30-150						4/21/15 8:01	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R104-M014

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:31	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:31	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:31	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:31	JMB
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:31	JMB
Aroclor-1254 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:31	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:31	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:31	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:31	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:31	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					4/23/15 14:31	
Decachlorobiphenyl [2]		93.8	30-150					4/23/15 14:31	
Tetrachloro-m-xylene [1]		93.6	30-150					4/23/15 14:31	
Tetrachloro-m-xylene [2]		86.1	30-150					4/23/15 14:31	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R100-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-15

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:17	JMB
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:17	JMB
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:17	JMB
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:17	JMB
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:17	JMB
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:17	JMB
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:17	JMB
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:17	JMB
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:17	JMB
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/23/15 19:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					4/23/15 19:17	
Decachlorobiphenyl [2]		97.2	30-150					4/23/15 19:17	
Tetrachloro-m-xylene [1]		106	30-150					4/23/15 19:17	
Tetrachloro-m-xylene [2]		101	30-150					4/23/15 19:17	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R100-M002

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-16

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/15/15	4/19/15 12:49	JMB
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/15/15	4/19/15 12:49	JMB
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/15/15	4/19/15 12:49	JMB
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/15/15	4/19/15 12:49	JMB
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/15/15	4/19/15 12:49	JMB
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/15/15	4/19/15 12:49	JMB
Aroclor-1260 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/15/15	4/19/15 12:49	JMB
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/15/15	4/19/15 12:49	JMB
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/15/15	4/19/15 12:49	JMB
	0.0		mg/Kg	10		SW-846 8082A	4/15/15	4/19/15 12:49	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		63.4	30-150					4/19/15 12:49	
Decachlorobiphenyl [2]		67.4	30-150					4/19/15 12:49	
Tetrachloro-m-xylene [1]		57.9	30-150					4/19/15 12:49	
Tetrachloro-m-xylene [2]		61.8	30-150					4/19/15 12:49	

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Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112A-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-17

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	37	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:09	JMB
Aroclor-1221 [1]	ND	37	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:09	JMB
Aroclor-1232 [1]	ND	37	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:09	JMB
Aroclor-1242 [1]	ND	37	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:09	JMB
Aroclor-1248 [1]	ND	37	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:09	JMB
Aroclor-1254 [1]	ND	37	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:09	JMB
Aroclor-1260 [1]	ND	37	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:09	JMB
Aroclor-1262 [1]	ND	37	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:09	JMB
Aroclor-1268 [1]	ND	37	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:09	JMB
	0.0		mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:09	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			4/24/15 17:09	
Decachlorobiphenyl [2]		*	30-150		S-01			4/24/15 17:09	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/24/15 17:09	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/24/15 17:09	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112A-M002

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-18

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:27	JMB
Aroclor-1221 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:27	JMB
Aroclor-1232 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:27	JMB
Aroclor-1242 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:27	JMB
Aroclor-1248 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:27	JMB
Aroclor-1254 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:27	JMB
Aroclor-1260 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:27	JMB
Aroclor-1262 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:27	JMB
Aroclor-1268 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:27	JMB
	0.0		mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:27	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			4/24/15 17:27	
Decachlorobiphenyl [2]		*	30-150		S-01			4/24/15 17:27	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/24/15 17:27	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/24/15 17:27	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112A-M003

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-19

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	38	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:45	JMB
Aroclor-1221 [1]	ND	38	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:45	JMB
Aroclor-1232 [1]	ND	38	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:45	JMB
Aroclor-1242 [1]	ND	38	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:45	JMB
Aroclor-1248 [1]	ND	38	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:45	JMB
Aroclor-1254 [1]	ND	38	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:45	JMB
Aroclor-1260 [1]	ND	38	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:45	JMB
Aroclor-1262 [1]	ND	38	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:45	JMB
Aroclor-1268 [1]	ND	38	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:45	JMB
	0.0		mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 17:45	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			4/24/15 17:45	
Decachlorobiphenyl [2]		*	30-150		S-01			4/24/15 17:45	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/24/15 17:45	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/24/15 17:45	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0215

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112A-M004

Sampled: 4/2/2015 00:00

Sample ID: 15D0215-20

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:03	JMB
Aroclor-1221 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:03	JMB
Aroclor-1232 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:03	JMB
Aroclor-1242 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:03	JMB
Aroclor-1248 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:03	JMB
Aroclor-1254 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:03	JMB
Aroclor-1260 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:03	JMB
Aroclor-1262 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:03	JMB
Aroclor-1268 [1]	ND	39	mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:03	JMB
	0.0		mg/Kg	200		SW-846 8082A	4/16/15	4/24/15 18:03	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			4/24/15 18:03	
Decachlorobiphenyl [2]		*	30-150		S-01			4/24/15 18:03	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/24/15 18:03	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/24/15 18:03	

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0215-09 [040215-SMOHI-BA-R104-M009]	B119464	0.510	10.0	04/16/15
15D0215-10 [040215-SMOHI-BA-R104-M010]	B119464	0.523	10.0	04/16/15
15D0215-12 [040215-SMOHI-BA-R104-M012]	B119464	0.522	10.0	04/16/15
15D0215-15 [040215-SMOHI-BA-R100-M001]	B119464	0.524	10.0	04/16/15
15D0215-17 [040215-SMOHI-BA-R112A-M001]	B119464	0.535	10.0	04/16/15
15D0215-18 [040215-SMOHI-BA-R112A-M002]	B119464	0.519	10.0	04/16/15
15D0215-19 [040215-SMOHI-BA-R112A-M003]	B119464	0.528	10.0	04/16/15
15D0215-20 [040215-SMOHI-BA-R112A-M004]	B119464	0.515	10.0	04/16/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0215-14 [040215-SMOHI-BA-R104-M014]	B119204	0.208	10.0	04/13/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0215-02 [040215-SMOHI-BA-R104-M002]	B119350	0.510	5.00	04/15/15
15D0215-03 [040215-SMOHI-BA-R104-M003]	B119350	2.16	10.0	04/15/15
15D0215-04 [040215-SMOHI-BA-R104-M004]	B119350	2.07	10.0	04/15/15
15D0215-05 [040215-SMOHI-BA-R104-M005]	B119350	2.25	10.0	04/15/15
15D0215-06 [040215-SMOHI-BA-R104-M006]	B119350	2.10	10.0	04/15/15
15D0215-07 [040215-SMOHI-BA-R104-M007]	B119350	2.08	10.0	04/15/15
15D0215-08 [040215-SMOHI-BA-R104-M008]	B119350	2.07	10.0	04/15/15
15D0215-11 [040215-SMOHI-BA-R104-M011]	B119350	1.20	10.0	04/15/15
15D0215-13 [040215-SMOHI-BA-R104-M013]	B119350	2.05	10.0	04/15/15
15D0215-16 [040215-SMOHI-BA-R100-M002]	B119350	2.14	10.0	04/15/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0215-01 [040215-SMOHI-BA-R104-M001]	B119430	2.11	10.0	04/15/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119204 - SW-846 3540C

Blank (B119204-BLK1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	10.4		mg/Kg	10.0		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.09		mg/Kg	10.0		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	9.93		mg/Kg	10.0		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.70		mg/Kg	10.0		87.0	30-150			

LCS (B119204-BS1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		104	40-140			
Aroclor-1260	2.6	0.50	mg/Kg	2.50		103	40-140			
Aroclor-1260 [2C]	2.7	0.50	mg/Kg	2.50		109	40-140			
Surrogate: Decachlorobiphenyl	10.2		mg/Kg	10.0		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.95		mg/Kg	10.0		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	9.41		mg/Kg	10.0		94.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.31		mg/Kg	10.0		83.1	30-150			

LCS Dup (B119204-BSD1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140	0.369	30	
Aroclor-1016 [2C]	2.7	0.50	mg/Kg	2.50		107	40-140	3.07	30	
Aroclor-1260	2.8	0.50	mg/Kg	2.50		112	40-140	8.25	30	
Aroclor-1260 [2C]	3.0	0.50	mg/Kg	2.50		119	40-140	9.04	30	
Surrogate: Decachlorobiphenyl	10.8		mg/Kg	10.0		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.56		mg/Kg	10.0		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	10.3		mg/Kg	10.0		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.18		mg/Kg	10.0		91.8	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119350 - SW-846 3540C										
Blank (B119350-BLK1)										
Prepared: 04/15/15 Analyzed: 04/16/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.457		mg/Kg	1.00		45.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.474		mg/Kg	1.00		47.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.588		mg/Kg	1.00		58.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.662		mg/Kg	1.00		66.2	30-150			
LCS (B119350-BS1)										
Prepared: 04/15/15 Analyzed: 04/16/15										
Aroclor-1016	0.17	0.10	mg/Kg	0.250		69.9	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg	0.250		71.2	40-140			
Aroclor-1260	0.16	0.10	mg/Kg	0.250		63.1	40-140			
Aroclor-1260 [2C]	0.17	0.10	mg/Kg	0.250		69.2	40-140			
Surrogate: Decachlorobiphenyl	0.592		mg/Kg	1.00		59.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.634		mg/Kg	1.00		63.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.694		mg/Kg	1.00		69.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.762		mg/Kg	1.00		76.2	30-150			
LCS Dup (B119350-BSD1)										
Prepared: 04/15/15 Analyzed: 04/16/15										
Aroclor-1016	0.18	0.10	mg/Kg	0.250		71.7	40-140	2.52	30	
Aroclor-1016 [2C]	0.18	0.10	mg/Kg	0.250		73.8	40-140	3.54	30	
Aroclor-1260	0.17	0.10	mg/Kg	0.250		66.7	40-140	5.47	30	
Aroclor-1260 [2C]	0.18	0.10	mg/Kg	0.250		72.8	40-140	4.96	30	
Surrogate: Decachlorobiphenyl	0.614		mg/Kg	1.00		61.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.640		mg/Kg	1.00		64.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.680		mg/Kg	1.00		68.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.753		mg/Kg	1.00		75.3	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119430 - SW-846 3540C										
Blank (B119430-BLK1)										
Prepared: 04/15/15 Analyzed: 04/18/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							V-05
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.795		mg/Kg	1.00		79.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.763		mg/Kg	1.00		76.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.723		mg/Kg	1.00		72.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.751		mg/Kg	1.00		75.1	30-150			
LCS (B119430-BS1)										
Prepared: 04/15/15 Analyzed: 04/18/15										
Aroclor-1016	0.27	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		104	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140			
Surrogate: Decachlorobiphenyl	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.938		mg/Kg	1.00		93.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.963		mg/Kg	1.00		96.3	30-150			
LCS Dup (B119430-BSD1)										
Prepared: 04/15/15 Analyzed: 04/18/15										
Aroclor-1016	0.26	0.10	mg/Kg	0.250		103	40-140	3.15	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		99.6	40-140	3.99	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140	0.381	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140	0.737	30	
Surrogate: Decachlorobiphenyl	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.872		mg/Kg	1.00		87.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.891		mg/Kg	1.00		89.1	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119464 - SW-846 3540C

Blank (B119464-BLK1)

Prepared: 04/16/15 Analyzed: 04/23/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	4.08		mg/Kg	4.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.62		mg/Kg	4.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	3.81		mg/Kg	4.00		95.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.45		mg/Kg	4.00		86.1	30-150			

LCS (B119464-BS1)

Prepared: 04/16/15 Analyzed: 04/23/15

Aroclor-1016	4.0	0.20	mg/Kg	4.00		99.8	40-140			
Aroclor-1016 [2C]	4.0	0.20	mg/Kg	4.00		101	40-140			
Aroclor-1260	4.2	0.20	mg/Kg	4.00		104	40-140			
Aroclor-1260 [2C]	4.3	0.20	mg/Kg	4.00		108	40-140			
Surrogate: Decachlorobiphenyl	4.37		mg/Kg	4.00		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.88		mg/Kg	4.00		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	4.04		mg/Kg	4.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.64		mg/Kg	4.00		90.9	30-150			

LCS Dup (B119464-BSD1)

Prepared: 04/16/15 Analyzed: 04/23/15

Aroclor-1016	3.9	0.20	mg/Kg	4.00		97.1	40-140	2.75	30	
Aroclor-1016 [2C]	3.9	0.20	mg/Kg	4.00		98.2	40-140	2.74	30	
Aroclor-1260	4.0	0.20	mg/Kg	4.00		99.7	40-140	4.58	30	
Aroclor-1260 [2C]	4.1	0.20	mg/Kg	4.00		103	40-140	4.47	30	
Surrogate: Decachlorobiphenyl	4.18		mg/Kg	4.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.70		mg/Kg	4.00		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	3.95		mg/Kg	4.00		98.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.54		mg/Kg	4.00		88.5	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

040215-SMOHI-BA-R104-M004

SW-846 8082A

Lab Sample ID: 15D0215-04 Date(s) Analyzed: 04/21/2015 04/21/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	1.1	
	2	0.00	0.00	0.00	1.2	10.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R104-M006

Lab Sample ID: 15D0215-06 Date(s) Analyzed: 04/21/2015 04/21/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	2.0	
	2	0.00	0.00	0.00	2.1	2.4

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B119204-BS1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	2.6	7
Aroclor-1260	1	0.00	0.00	0.00	2.6	
	2	0.00	0.00	0.00	2.7	5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119204-BSD1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	2.7	4
Aroclor-1260	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	3.0	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119350-BS1 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.18	3
Aroclor-1260	1	0.00	0.00	0.00	0.16	
	2	0.00	0.00	0.00	0.17	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119350-BSD1 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.18	1
Aroclor-1260	1	0.00	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.18	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119430-BSD1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.25	3
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.28	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B119464-BS1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	4.0	0
Aroclor-1260	1	0.00	0.00	0.00	4.2	
	2	0.00	0.00	0.00	4.3	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119464-BSD1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.9	
	2	0.00	0.00	0.00	3.9	1
Aroclor-1260	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	4.1	3

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- O-27 Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.
 - O-32 A dilution was performed as part of the standard analytical procedure.
 - RL-12 Elevated reporting limit due to matrix interference.
 - S-01 The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
 - V-05 Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

15DC0215

PROJECT NAME / FACILITY ID: SMO Inspection
 PROJECT NUMBER: 0433980R DATE: 04/02/2015
 PROJECT LOCATION: SMO
 IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF + Excel

MSA#: _____ WO#: _____
 FIELD PERSON: DC, GT
 PROJECT MANAGER: Jason Wilkinson
 LABORATORY: Contest

SAMPLER:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS	
	2015											
DC												
SIGNATURE: <u>John S. Co...</u>												
SAMPLE I.D. NUMBER												
01		0402	NA	NA	NA	NA	1	NA	col	X	X	
02												
03												
04												
05												
06												
07												
08												
09												
10												
11												
12												
13												
TOTAL		X	X	X								

RELINQUISHED BY: <u>[Signature]</u> TIME/DATE: <u>4/3</u>	RECEIVED BY: <u>[Signature]</u> TIME/DATE: <u>4/15 2:2</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY	72 HOURS
RELINQUISHED BY:	RECEIVED BY:		24 HOURS	5 DAYS
RELINQUISHED BY:	RECEIVED BY:	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
		INTACT: Y N Temp _____	INTACT: Y N	

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H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER

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18100 Von Karman Ave., Suite 600
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(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

15DOZ15

PROJECT NAME / FACILITY ID: SMD Inspection

MSA#: _____ WO#: _____

PROJECT NUMBER: 04 33980 R DATE: 04/02/2015

FIELD PERSON: DC, GT

PROJECT LOCATION: SMD

PROJECT MANAGER: Jason Wilkinson

LABORATORY: ComTest

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF + Excel

SAMPLER:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS
										PCB/082	Sox Extraction	
DC												
SIGNATURE: <u>Sal [Signature]</u>												
SAMPLE I.D. NUMBER												
14		040215		NA	NA	NA	1	NA	08	X	X	
15		040215-SM0H1-BA-R100-M001										
16		" - M002										
		040215-SM0H1-BA-R105-M004										
		" - M005										
		" - M006										
TOTAL		XXX										

RELINQUISHED BY: <u>[Signature]</u>	TIME/DATE: <u>4/13</u>	RECEIVED BY: <u>[Signature]</u>	TIME/DATE: <u>4/14/15 10:45</u>	TURNAROUND TIME (CIRCLE ONE) SAME DAY 24 HOURS 48 HOURS 72 HOURS 5 DAYS NORMAL	
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	SAMPLE INTEGRITY INTACT: Y N Temp _____	IF SEALED, SEAL INTEGRITY INTACT: Y N



FedEx® Tracking

773289438926

Ship (P/U) date:
Fri 4/03/2015 5:11 pm

Actual delivery:
Sat 4/04/2015 10:45 am

Irvine, CA US



Delivered

Signed for by: J. MJM M

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
4/04/2015 - Saturday		
10:45 am	Delivered	EAST LONGMEADOW, MA
8:18 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:13 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	EAST GRANBY, CT
3:38 am	Departed FedEx location	MEMPHIS, TN
1:36 am	Arrived at FedEx location	MEMPHIS, TN
4/03/2015 - Friday		
6:15 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:11 pm	Picked up	SANTA MONICA, CA
	Tendered at FedEx Office	
12:54 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773289438926	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x14 in.
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	For Saturday Delivery, Additional Handling Surcharge



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 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: MJ DATE: 4/14/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain:
- 3) Are all the samples in good condition? Yes No
 If not, explain:

- 4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

- 5) Are there Dissolved samples for the lab to filter? Yes No
- Who was notified _____ Date _____ Time _____
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
- Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

- 8) Do all samples have the proper Acid pH: Yes No N/A
- 9) Do all samples have the proper Base pH: Yes No N/A
- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz amber/clear jar	
500 mL Amber			4 oz <input checked="" type="radio"/> amber/clear jar	22
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Plastic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			Non-ConTest Container	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____ # Bisulfate _____ # DI Water _____ # Thiosulfate _____ Unpreserved _____	Time and Date Frozen:
--	-----------------------

Doc# 277
 Rev. 4 August 2013

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

<u>Question</u>	<u>Answer (True/False)</u>	<u>Comment</u>
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?
Log-In Technician Initials:

Date/Time:
Date/Time:

MS

4/4/15 10:45

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0216

Enclosed are results of analyses for samples received by the laboratory on April 4, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0216

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040215-SMOHI-BA-R112-M001	15D0216-01	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M002	15D0216-02	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M003	15D0216-03	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M004	15D0216-04	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M005	15D0216-05	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M006	15D0216-06	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M007	15D0216-07	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M008	15D0216-08	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M009	15D0216-09	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M010	15D0216-10	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M011	15D0216-11	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M012	15D0216-12	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M013	15D0216-13	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M014	15D0216-14	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M015	15D0216-15	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M016	15D0216-16	Product/Solid		SW-846 8082A	
040215-SMOHI-BA-R112-M017	15D0216-17	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0216-10[040215-SMOHI-BA-R112-M010], 15D0216-11[040215-SMOHI-BA-R112-M011], 15D0216-14[040215-SMOHI-BA-R112-M014],
15D0216-16[040215-SMOHI-BA-R112-M016], 15D0216-17[040215-SMOHI-BA-R112-M017]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M001

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:06	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:06	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:06	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:06	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:06	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:06	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:06	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:06	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:06	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:06	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.1	30-150					4/16/15 19:06	
Decachlorobiphenyl [2]		87.8	30-150					4/16/15 19:06	
Tetrachloro-m-xylene [1]		88.3	30-150					4/16/15 19:06	
Tetrachloro-m-xylene [2]		89.7	30-150					4/16/15 19:06	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M002

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:19	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:19	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:19	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:19	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:19	JMB
Aroclor-1254 [2]	0.20	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:19	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:19	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:19	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:19	JMB
	0.20		mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:19	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		61.2	30-150					4/16/15 19:19	
Decachlorobiphenyl [2]		69.1	30-150					4/16/15 19:19	
Tetrachloro-m-xylene [1]		72.9	30-150					4/16/15 19:19	
Tetrachloro-m-xylene [2]		75.7	30-150					4/16/15 19:19	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M003

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:31	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:31	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:31	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:31	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:31	JMB
Aroclor-1254 [2]	0.17	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:31	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:31	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:31	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:31	JMB
	0.17		mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:31	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		52.8	30-150					4/16/15 19:31	
Decachlorobiphenyl [2]		56.7	30-150					4/16/15 19:31	
Tetrachloro-m-xylene [1]		62.3	30-150					4/16/15 19:31	
Tetrachloro-m-xylene [2]		63.2	30-150					4/16/15 19:31	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M004

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:43	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:43	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:43	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:43	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:43	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:43	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:43	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:43	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:43	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:43	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		48.6	30-150					4/16/15 19:43	
Decachlorobiphenyl [2]		51.8	30-150					4/16/15 19:43	
Tetrachloro-m-xylene [1]		71.3	30-150					4/16/15 19:43	
Tetrachloro-m-xylene [2]		70.4	30-150					4/16/15 19:43	

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Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M005

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:56	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:56	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:56	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:56	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:56	JMB
Aroclor-1254 [2]	0.17	0.090	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:56	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:56	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:56	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:56	JMB
	0.17		mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 19:56	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		61.8	30-150					4/16/15 19:56	
Decachlorobiphenyl [2]		66.0	30-150					4/16/15 19:56	
Tetrachloro-m-xylene [1]		70.0	30-150					4/16/15 19:56	
Tetrachloro-m-xylene [2]		73.4	30-150					4/16/15 19:56	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M006

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:08	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:08	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:08	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:08	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:08	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:08	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:08	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:08	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:08	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:08	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.2	30-150					4/16/15 20:08	
Decachlorobiphenyl [2]		78.7	30-150					4/16/15 20:08	
Tetrachloro-m-xylene [1]		81.5	30-150					4/16/15 20:08	
Tetrachloro-m-xylene [2]		80.1	30-150					4/16/15 20:08	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M007

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:57	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:57	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:57	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:57	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:57	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:57	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:57	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:57	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:57	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 20:57	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	62.8	30-150						4/16/15 20:57	
Decachlorobiphenyl [2]	67.3	30-150						4/16/15 20:57	
Tetrachloro-m-xylene [1]	79.5	30-150						4/16/15 20:57	
Tetrachloro-m-xylene [2]	82.2	30-150						4/16/15 20:57	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M008

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/21/15 18:05	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/21/15 18:05	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/21/15 18:05	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/21/15 18:05	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/21/15 18:05	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/21/15 18:05	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/21/15 18:05	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/21/15 18:05	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/21/15 18:05	KAL
	0.0		mg/Kg	1		SW-846 8082A	4/14/15	4/21/15 18:05	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.2	30-150					4/21/15 18:05	
Decachlorobiphenyl [2]		67.6	30-150					4/21/15 18:05	
Tetrachloro-m-xylene [1]		61.0	30-150					4/21/15 18:05	
Tetrachloro-m-xylene [2]		57.7	30-150					4/21/15 18:05	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M009

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/18/15 17:30	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/18/15 17:30	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/18/15 17:30	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/18/15 17:30	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/18/15 17:30	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/18/15 17:30	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/18/15 17:30	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/18/15 17:30	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	4/14/15	4/18/15 17:30	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/14/15	4/18/15 17:30	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.2	30-150					4/18/15 17:30	
Decachlorobiphenyl [2]		73.2	30-150					4/18/15 17:30	
Tetrachloro-m-xylene [1]		59.1	30-150					4/18/15 17:30	
Tetrachloro-m-xylene [2]		57.8	30-150					4/18/15 17:30	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M010

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-10

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.65	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:48	JMB
Aroclor-1221 [1]	ND	0.65	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:48	JMB
Aroclor-1232 [1]	ND	0.65	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:48	JMB
Aroclor-1242 [1]	ND	0.65	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:48	JMB
Aroclor-1248 [1]	ND	0.65	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:48	JMB
Aroclor-1254 [1]	ND	0.65	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:48	JMB
Aroclor-1260 [1]	ND	0.65	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:48	JMB
Aroclor-1262 [1]	ND	0.65	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:48	JMB
Aroclor-1268 [1]	ND	0.65	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:48	JMB
	0.0		mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 17:48	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					4/18/15 17:48	
Decachlorobiphenyl [2]		99.5	30-150					4/18/15 17:48	
Tetrachloro-m-xylene [1]		84.8	30-150					4/18/15 17:48	
Tetrachloro-m-xylene [2]		89.4	30-150					4/18/15 17:48	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M011

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-11

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:06	JMB
Aroclor-1221 [1]	ND	0.68	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:06	JMB
Aroclor-1232 [1]	ND	0.68	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:06	JMB
Aroclor-1242 [1]	ND	0.68	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:06	JMB
Aroclor-1248 [1]	ND	0.68	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:06	JMB
Aroclor-1254 [1]	ND	0.68	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:06	JMB
Aroclor-1260 [1]	ND	0.68	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:06	JMB
Aroclor-1262 [1]	ND	0.68	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:06	JMB
Aroclor-1268 [1]	ND	0.68	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:06	JMB
	0.0		mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:06	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	104	30-150						4/18/15 18:06	
Decachlorobiphenyl [2]	103	30-150						4/18/15 18:06	
Tetrachloro-m-xylene [1]	83.1	30-150						4/18/15 18:06	
Tetrachloro-m-xylene [2]	87.2	30-150						4/18/15 18:06	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M012

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:34	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:34	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:34	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:34	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:34	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:34	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:34	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:34	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:34	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		59.8	30-150					4/16/15 21:34	
Decachlorobiphenyl [2]		61.3	30-150					4/16/15 21:34	
Tetrachloro-m-xylene [1]		69.1	30-150					4/16/15 21:34	
Tetrachloro-m-xylene [2]		70.4	30-150					4/16/15 21:34	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M013

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:44	JMB
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:44	JMB
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:44	JMB
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:44	JMB
Aroclor-1248 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:44	JMB
Aroclor-1254 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:44	JMB
Aroclor-1260 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:44	JMB
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:44	JMB
Aroclor-1268 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:44	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/13/15	4/23/15 14:44	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		115	30-150					4/23/15 14:44	
Decachlorobiphenyl [2]		103	30-150					4/23/15 14:44	
Tetrachloro-m-xylene [1]		109	30-150					4/23/15 14:44	
Tetrachloro-m-xylene [2]		99.0	30-150					4/23/15 14:44	

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Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M014

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-14

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:24	JMB
Aroclor-1221 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:24	JMB
Aroclor-1232 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:24	JMB
Aroclor-1242 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:24	JMB
Aroclor-1248 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:24	JMB
Aroclor-1254 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:24	JMB
Aroclor-1260 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:24	JMB
Aroclor-1262 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:24	JMB
Aroclor-1268 [1]	ND	0.70	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:24	JMB
	0.0		mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					4/18/15 18:24	
Decachlorobiphenyl [2]		102	30-150					4/18/15 18:24	
Tetrachloro-m-xylene [1]		96.6	30-150					4/18/15 18:24	
Tetrachloro-m-xylene [2]		102	30-150					4/18/15 18:24	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M015

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:47	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:47	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:47	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:47	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:47	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:47	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:47	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:47	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:47	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/14/15	4/16/15 21:47	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.3	30-150					4/16/15 21:47	
Decachlorobiphenyl [2]		63.3	30-150					4/16/15 21:47	
Tetrachloro-m-xylene [1]		75.2	30-150					4/16/15 21:47	
Tetrachloro-m-xylene [2]		77.7	30-150					4/16/15 21:47	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M016

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-16

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:42	JMB
Aroclor-1221 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:42	JMB
Aroclor-1232 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:42	JMB
Aroclor-1242 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:42	JMB
Aroclor-1248 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:42	JMB
Aroclor-1254 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:42	JMB
Aroclor-1260 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:42	JMB
Aroclor-1262 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:42	JMB
Aroclor-1268 [1]	ND	0.76	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:42	JMB
	0.0		mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 18:42	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					4/18/15 18:42	
Decachlorobiphenyl [2]		100	30-150					4/18/15 18:42	
Tetrachloro-m-xylene [1]		83.6	30-150					4/18/15 18:42	
Tetrachloro-m-xylene [2]		87.8	30-150					4/18/15 18:42	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO

Sample Description:

Work Order: 15D0216

Date Received: 4/4/2015

Field Sample #: 040215-SMOHI-BA-R112-M017

Sampled: 4/2/2015 00:00

Sample ID: 15D0216-17

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 19:00	JMB
Aroclor-1221 [1]	ND	0.71	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 19:00	JMB
Aroclor-1232 [1]	ND	0.71	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 19:00	JMB
Aroclor-1242 [1]	ND	0.71	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 19:00	JMB
Aroclor-1248 [1]	ND	0.71	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 19:00	JMB
Aroclor-1254 [1]	ND	0.71	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 19:00	JMB
Aroclor-1260 [1]	ND	0.71	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 19:00	JMB
Aroclor-1262 [1]	ND	0.71	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 19:00	JMB
Aroclor-1268 [1]	ND	0.71	mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 19:00	JMB
	0.0		mg/Kg	8		SW-846 8082A	4/14/15	4/18/15 19:00	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.8	30-150					4/18/15 19:00	
Decachlorobiphenyl [2]		85.6	30-150					4/18/15 19:00	
Tetrachloro-m-xylene [1]		66.9	30-150					4/18/15 19:00	
Tetrachloro-m-xylene [2]		71.0	30-150					4/18/15 19:00	

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0216-13 [040215-SMOHI-BA-R112-M013]	B119204	0.225	10.0	04/13/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0216-01 [040215-SMOHI-BA-R112-M001]	B119318	2.32	10.0	04/14/15
15D0216-02 [040215-SMOHI-BA-R112-M002]	B119318	2.07	10.0	04/14/15
15D0216-03 [040215-SMOHI-BA-R112-M003]	B119318	2.06	10.0	04/14/15
15D0216-04 [040215-SMOHI-BA-R112-M004]	B119318	2.10	10.0	04/14/15
15D0216-05 [040215-SMOHI-BA-R112-M005]	B119318	2.23	10.0	04/14/15
15D0216-06 [040215-SMOHI-BA-R112-M006]	B119318	2.27	10.0	04/14/15
15D0216-07 [040215-SMOHI-BA-R112-M007]	B119318	2.32	10.0	04/14/15
15D0216-08 [040215-SMOHI-BA-R112-M008]	B119318	2.04	10.0	04/14/15
15D0216-09 [040215-SMOHI-BA-R112-M009]	B119318	2.27	10.0	04/14/15
15D0216-10 [040215-SMOHI-BA-R112-M010]	B119318	2.45	10.0	04/14/15
15D0216-11 [040215-SMOHI-BA-R112-M011]	B119318	2.35	10.0	04/14/15
15D0216-12 [040215-SMOHI-BA-R112-M012]	B119318	2.05	10.0	04/14/15
15D0216-14 [040215-SMOHI-BA-R112-M014]	B119318	2.29	10.0	04/14/15
15D0216-15 [040215-SMOHI-BA-R112-M015]	B119318	2.15	10.0	04/14/15
15D0216-16 [040215-SMOHI-BA-R112-M016]	B119318	2.11	10.0	04/14/15
15D0216-17 [040215-SMOHI-BA-R112-M017]	B119318	2.24	10.0	04/14/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119204 - SW-846 3540C

Blank (B119204-BLK1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	10.4		mg/Kg	10.0		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.09		mg/Kg	10.0		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	9.93		mg/Kg	10.0		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.70		mg/Kg	10.0		87.0	30-150			

LCS (B119204-BS1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		104	40-140			
Aroclor-1260	2.6	0.50	mg/Kg	2.50		103	40-140			
Aroclor-1260 [2C]	2.7	0.50	mg/Kg	2.50		109	40-140			
Surrogate: Decachlorobiphenyl	10.2		mg/Kg	10.0		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.95		mg/Kg	10.0		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	9.41		mg/Kg	10.0		94.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.31		mg/Kg	10.0		83.1	30-150			

LCS Dup (B119204-BSD1)

Prepared: 04/13/15 Analyzed: 04/23/15

Aroclor-1016	2.8	0.50	mg/Kg	2.50		112	40-140	0.369	30	
Aroclor-1016 [2C]	2.7	0.50	mg/Kg	2.50		107	40-140	3.07	30	
Aroclor-1260	2.8	0.50	mg/Kg	2.50		112	40-140	8.25	30	
Aroclor-1260 [2C]	3.0	0.50	mg/Kg	2.50		119	40-140	9.04	30	
Surrogate: Decachlorobiphenyl	10.8		mg/Kg	10.0		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.56		mg/Kg	10.0		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	10.3		mg/Kg	10.0		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.18		mg/Kg	10.0		91.8	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119318 - SW-846 3540C

Blank (B119318-BLK1)

Prepared: 04/14/15 Analyzed: 04/18/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.978		mg/Kg	1.00		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.846		mg/Kg	1.00		84.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.906		mg/Kg	1.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.831		mg/Kg	1.00		83.1	30-150			

LCS (B119318-BS1)

Prepared: 04/14/15 Analyzed: 04/18/15

Aroclor-1016	0.26	0.10	mg/Kg	0.250		105	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1260	0.30	0.10	mg/Kg	0.250		121	40-140			
Aroclor-1260 [2C]	0.32	0.10	mg/Kg	0.250		128	40-140			
Surrogate: Decachlorobiphenyl	1.22		mg/Kg	1.00		122	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	1.11		mg/Kg	1.00		111	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.00		mg/Kg	1.00		100	30-150			

LCS Dup (B119318-BS1)

Prepared: 04/14/15 Analyzed: 04/18/15

Aroclor-1016	0.23	0.10	mg/Kg	0.250		93.3	40-140	12.1	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		98.2	40-140	8.90	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		110	40-140	8.96	30	
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250		118	40-140	7.71	30	
Surrogate: Decachlorobiphenyl	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.955		mg/Kg	1.00		95.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.961		mg/Kg	1.00		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.882		mg/Kg	1.00		88.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119318 - SW-846 3540C

Matrix Spike (B119318-MS1)

Source: 15D0216-04

Prepared: 04/14/15 Analyzed: 04/17/15

Aroclor-1016	0.32	0.10	mg/Kg	0.250	ND	126	40-140			
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250	ND	102	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250	ND	103	40-140			
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250	ND	96.7	40-140			
Surrogate: Decachlorobiphenyl	0.736		mg/Kg	1.00		73.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.795		mg/Kg	1.00		79.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.810		mg/Kg	1.00		81.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.825		mg/Kg	1.00		82.5	30-150			

Matrix Spike Dup (B119318-MSD1)

Source: 15D0216-04

Prepared: 04/14/15 Analyzed: 04/17/15

Aroclor-1016	0.34	0.10	mg/Kg	0.250	ND	135	40-140	6.35	50	
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250	ND	113	40-140	10.3	50	
Aroclor-1260	0.31	0.10	mg/Kg	0.250	ND	126	40-140	19.9	50	
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250	ND	124	40-140	24.8	50	
Surrogate: Decachlorobiphenyl	0.883		mg/Kg	1.00		88.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.915		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.921		mg/Kg	1.00		92.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.945		mg/Kg	1.00		94.5	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

040215-SMOHI-BA-R112-M002

SW-846 8082A

Lab Sample ID: 15D0216-02 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.14	
	2	0.00	0.00	0.00	0.20	31.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R112-M003

Lab Sample ID: 15D0216-03 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.14	
	2	0.00	0.00	0.00	0.17	18.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

040215-SMOHI-BA-R112-M005

Lab Sample ID: 15D0216-05 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.15	
	2	0.00	0.00	0.00	0.17	11.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119204-BS1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	2.6	7
Aroclor-1260	1	0.00	0.00	0.00	2.6	
	2	0.00	0.00	0.00	2.7	5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119204-BSD1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	2.7	4
Aroclor-1260	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	3.0	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B119318-BS1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.27	3
Aroclor-1260	1	0.00	0.00	0.00	0.30	
	2	0.00	0.00	0.00	0.32	6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119318-BSD1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.25	7
Aroclor-1260	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.30	8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES *SW-846 8082A*

Matrix Spike

Lab Sample ID: B119318-MS1 Date(s) Analyzed: 04/17/2015 04/17/2015
 Instrument ID (1): _____ Instrument ID (2): _____
 GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.32	
	2	0.00	0.00	0.00	0.26	19
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.24	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B119318-MSD1 Date(s) Analyzed: 04/17/2015 04/17/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.34	
	2	0.00	0.00	0.00	0.28	19
Aroclor-1260	1	0.00	0.00	0.00	0.31	
	2	0.00	0.00	0.00	0.31	1

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- RL-12 Elevated reporting limit due to matrix interference.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

PROJECT NAME / FACILITY ID: SM O Inspection
 PROJECT NUMBER: _____ DATE: 4/3/15
 PROJECT LOCATION: 04 33980R
 IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: Excel & PWF

MSA#: _____ WO#: _____
 FIELD PERSON: DC, GT
 PROJECT MANAGER: Jason Wilkinson
 LABORATORY: Courtney

SAMPLER: <u>DC/GT</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS
	<u>2015</u>									<u>PCBS082</u>	<u>50x Extractor</u>	
SIGNATURE: <u>Joh S. Co</u>												
SAMPLE I.D. NUMBER												
<u>06</u> 040215-SMOH1-BA-R112-M006		<u>2015</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>1</u>	<u>NA</u>	<u>COLD</u>	<u>X</u>	<u>X</u>	
<u>07</u> " - M007												
<u>08</u> " - M008												
<u>09</u> " - M009												
<u>10</u> " - M010												
<u>11</u> " - M011												
<u>12</u> " - M012												
<u>13</u> " - M013												
<u>14</u> " - M014												
<u>15</u> " - M015												
<u>16</u> " - M016												
<u>17</u> " - M017												
TOTAL		<u>XXX</u>	<u>XXX</u>	<u>XXX</u>								

RELINQUISHED BY: _____ TIME/DATE: <u>4/30</u>	RECEIVED BY: _____ TIME/DATE: <u>10:45</u>	TURNAROUND TIME (CIRCLE ONE) SAME DAY 24 HOURS 48 HOURS 72 HOURS <u>5 DAYS</u> NORMAL
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: _____	
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: _____	SAMPLE INTEGRITY INTACT: Y N Temp _____
		IF SEALED, SEAL INTEGRITY INTACT: Y N

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H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER



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773289438926

Ship (P/U) date :
Fri 4/03/2015 5:11 pm

Actual delivery :
Sat 4/04/2015 10:45 am

Irvine, CA US



Delivered

EAST LONGMEADOW, MA US

Signed for by: J.MJM M

Travel History

Date/Time	Activity	Location
4/04/2015 - Saturday		
10:45 am	Delivered	EAST LONGMEADOW, MA
8:18 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:13 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	EAST GRANBY, CT
3:38 am	Departed FedEx location	MEMPHIS, TN
1:36 am	Arrived at FedEx location	MEMPHIS, TN
4/03/2015 - Friday		
6:15 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:11 pm	Picked up	SANTA MONICA, CA
	Tendered at FedEx Office	
12:54 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773289438926	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x14 in.
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	For Saturday Delivery, Additional Handling Surcharge



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 Customer Support

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 F: 413-525-6405
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Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: MJ DATE: 4/4/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain: _____
- 3) Are all the samples in good condition? Yes No
 If not, explain: _____

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

- 5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

- 8) Do all samples have the proper Acid pH: Yes No N/A
- 9) Do all samples have the proper Base pH: Yes No N/A
- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz amber/clear jar	
500 mL Amber			4 oz <input checked="" type="radio"/> amber/clear jar	19
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Plastic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			Non-ConTest Container	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	

Laboratory Comments: _____

40 mL vials: # HCl _____ # Methanol _____ Doc# 277 # Bisulfate _____ # DI Water _____ Rev. 4 August 2013 # Thiosulfate _____ Unpreserved _____	Time and Date Frozen: _____
--	-----------------------------

Login Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials:

Date/Time:

Date/Time:

MS

4/4/15 10:45

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO-HI
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0274

Enclosed are results of analyses for samples received by the laboratory on April 7, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0274

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO-HI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040315-SMOHI-BA-REXT-M012	15D0274-01	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M013	15D0274-02	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M014	15D0274-03	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-REXT-M015	15D0274-04	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M016	15D0274-05	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M017	15D0274-06	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-REXT-M018	15D0274-07	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M019	15D0274-08	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M020	15D0274-09	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-REXT-M021	15D0274-10	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M022	15D0274-11	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M023	15D0274-12	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M024	15D0274-13	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M025	15D0274-14	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-REXT-M026	15D0274-15	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-REXT-M027	15D0274-16	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-REXT-M028	15D0274-17	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:**O-27**

Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

Analyte & Samples(s) Qualified:

15D0274-14[040315-SMOHI-BA-REXT-M025], 15D0274-15[040315-SMOHI-BA-REXT-M026]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0274-16[040315-SMOHI-BA-REXT-M027], 15D0274-17[040315-SMOHI-BA-REXT-M028]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:**Decachlorobiphenyl**

15D0274-14[040315-SMOHI-BA-REXT-M025], 15D0274-15[040315-SMOHI-BA-REXT-M026]

Decachlorobiphenyl [2C]

15D0274-14[040315-SMOHI-BA-REXT-M025], 15D0274-15[040315-SMOHI-BA-REXT-M026]

Tetrachloro-m-xylene

15D0274-14[040315-SMOHI-BA-REXT-M025], 15D0274-15[040315-SMOHI-BA-REXT-M026]

Tetrachloro-m-xylene [2C]

15D0274-14[040315-SMOHI-BA-REXT-M025], 15D0274-15[040315-SMOHI-BA-REXT-M026]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M01

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:16	PJG
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:16	PJG
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:16	PJG
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:16	PJG
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:16	PJG
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:16	PJG
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:16	PJG
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:16	PJG
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:16	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:16	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.8	30-150					4/24/15 1:16	
Decachlorobiphenyl [2]		82.8	30-150					4/24/15 1:16	
Tetrachloro-m-xylene [1]		93.4	30-150					4/24/15 1:16	
Tetrachloro-m-xylene [2]		90.1	30-150					4/24/15 1:16	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M01

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:29	PJG
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:29	PJG
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:29	PJG
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:29	PJG
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:29	PJG
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:29	PJG
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:29	PJG
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:29	PJG
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:29	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:29	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.0	30-150					4/24/15 1:29	
Decachlorobiphenyl [2]		89.2	30-150					4/24/15 1:29	
Tetrachloro-m-xylene [1]		90.7	30-150					4/24/15 1:29	
Tetrachloro-m-xylene [2]		89.4	30-150					4/24/15 1:29	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M01

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:28	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:28	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:28	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:28	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:28	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:28	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:28	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:28	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:28	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.0	30-150					4/13/15 12:28	
Decachlorobiphenyl [2]		97.2	30-150					4/13/15 12:28	
Tetrachloro-m-xylene [1]		87.9	30-150					4/13/15 12:28	
Tetrachloro-m-xylene [2]		99.2	30-150					4/13/15 12:28	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M01

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:42	PJG
Aroclor-1221 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:42	PJG
Aroclor-1232 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:42	PJG
Aroclor-1242 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:42	PJG
Aroclor-1248 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:42	PJG
Aroclor-1254 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:42	PJG
Aroclor-1260 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:42	PJG
Aroclor-1262 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:42	PJG
Aroclor-1268 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:42	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:42	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.9	30-150					4/24/15 1:42	
Decachlorobiphenyl [2]		69.1	30-150					4/24/15 1:42	
Tetrachloro-m-xylene [1]		73.1	30-150					4/24/15 1:42	
Tetrachloro-m-xylene [2]		72.0	30-150					4/24/15 1:42	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M01

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:55	PJG
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:55	PJG
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:55	PJG
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:55	PJG
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:55	PJG
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:55	PJG
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:55	PJG
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:55	PJG
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:55	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 1:55	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.3	30-150					4/24/15 1:55	
Decachlorobiphenyl [2]		88.5	30-150					4/24/15 1:55	
Tetrachloro-m-xylene [1]		92.8	30-150					4/24/15 1:55	
Tetrachloro-m-xylene [2]		91.3	30-150					4/24/15 1:55	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M01

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:40	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:40	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:40	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:40	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:40	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:40	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:40	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:40	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:40	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:40	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.4	30-150					4/13/15 12:40	
Decachlorobiphenyl [2]		86.0	30-150					4/13/15 12:40	
Tetrachloro-m-xylene [1]		81.3	30-150					4/13/15 12:40	
Tetrachloro-m-xylene [2]		90.0	30-150					4/13/15 12:40	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M01

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-07

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:08	PJG
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:08	PJG
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:08	PJG
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:08	PJG
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:08	PJG
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:08	PJG
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:08	PJG
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:08	PJG
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:08	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:08	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		55.7	30-150					4/24/15 2:08	
Decachlorobiphenyl [2]		53.8	30-150					4/24/15 2:08	
Tetrachloro-m-xylene [1]		41.5	30-150					4/24/15 2:08	
Tetrachloro-m-xylene [2]		42.9	30-150					4/24/15 2:08	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M01

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-08

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:21	PJG
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:21	PJG
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:21	PJG
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:21	PJG
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:21	PJG
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:21	PJG
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:21	PJG
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:21	PJG
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:21	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:21	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.2	30-150					4/24/15 2:21	
Decachlorobiphenyl [2]		67.6	30-150					4/24/15 2:21	
Tetrachloro-m-xylene [1]		56.1	30-150					4/24/15 2:21	
Tetrachloro-m-xylene [2]		56.5	30-150					4/24/15 2:21	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M02

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:53	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:53	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:53	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:53	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:53	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:53	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:53	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:53	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:53	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 12:53	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.8	30-150					4/13/15 12:53	
Decachlorobiphenyl [2]		101	30-150					4/13/15 12:53	
Tetrachloro-m-xylene [1]		88.8	30-150					4/13/15 12:53	
Tetrachloro-m-xylene [2]		99.7	30-150					4/13/15 12:53	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M02

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-10

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:34	PJG
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:34	PJG
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:34	PJG
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:34	PJG
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:34	PJG
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:34	PJG
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:34	PJG
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:34	PJG
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:34	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:34	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.7	30-150					4/24/15 2:34	
Decachlorobiphenyl [2]		66.6	30-150					4/24/15 2:34	
Tetrachloro-m-xylene [1]		72.9	30-150					4/24/15 2:34	
Tetrachloro-m-xylene [2]		70.4	30-150					4/24/15 2:34	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M02

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:47	PJG
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:47	PJG
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:47	PJG
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:47	PJG
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:47	PJG
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:47	PJG
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:47	PJG
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:47	PJG
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:47	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 2:47	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.5	30-150					4/24/15 2:47	
Decachlorobiphenyl [2]		81.9	30-150					4/24/15 2:47	
Tetrachloro-m-xylene [1]		88.2	30-150					4/24/15 2:47	
Tetrachloro-m-xylene [2]		86.9	30-150					4/24/15 2:47	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M02

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:00	PJG
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:00	PJG
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:00	PJG
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:00	PJG
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:00	PJG
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:00	PJG
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:00	PJG
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:00	PJG
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:00	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:00	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.4	30-150					4/24/15 3:00	
Decachlorobiphenyl [2]		75.8	30-150					4/24/15 3:00	
Tetrachloro-m-xylene [1]		83.6	30-150					4/24/15 3:00	
Tetrachloro-m-xylene [2]		81.3	30-150					4/24/15 3:00	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M02

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-13

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 14:58	PJG
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 14:58	PJG
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 14:58	PJG
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 14:58	PJG
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 14:58	PJG
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 14:58	PJG
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 14:58	PJG
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 14:58	PJG
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 14:58	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 14:58	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.8	30-150					4/24/15 14:58	
Decachlorobiphenyl [2]		82.7	30-150					4/24/15 14:58	
Tetrachloro-m-xylene [1]		85.0	30-150					4/24/15 14:58	
Tetrachloro-m-xylene [2]		82.4	30-150					4/24/15 14:58	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M02

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-14

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 12:53	PJG
Aroclor-1221 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 12:53	PJG
Aroclor-1232 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 12:53	PJG
Aroclor-1242 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 12:53	PJG
Aroclor-1248 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 12:53	PJG
Aroclor-1254 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 12:53	PJG
Aroclor-1260 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 12:53	PJG
Aroclor-1262 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 12:53	PJG
Aroclor-1268 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 12:53	PJG
	0.0		mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 12:53	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			4/27/15 12:53	
Decachlorobiphenyl [2]		*	30-150		S-01			4/27/15 12:53	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/27/15 12:53	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/27/15 12:53	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M02

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-15

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 13:06	PJG
Aroclor-1221 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 13:06	PJG
Aroclor-1232 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 13:06	PJG
Aroclor-1242 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 13:06	PJG
Aroclor-1248 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 13:06	PJG
Aroclor-1254 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 13:06	PJG
Aroclor-1260 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 13:06	PJG
Aroclor-1262 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 13:06	PJG
Aroclor-1268 [1]	ND	18	mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 13:06	PJG
	0.0		mg/Kg	200		SW-846 8082A	4/16/15	4/27/15 13:06	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			4/27/15 13:06	
Decachlorobiphenyl [2]		*	30-150		S-01			4/27/15 13:06	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/27/15 13:06	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/27/15 13:06	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M02

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-16

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/14/15	4/16/15 11:24	PJG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/14/15	4/16/15 11:24	PJG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/14/15	4/16/15 11:24	PJG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/14/15	4/16/15 11:24	PJG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/14/15	4/16/15 11:24	PJG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/14/15	4/16/15 11:24	PJG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/14/15	4/16/15 11:24	PJG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/14/15	4/16/15 11:24	PJG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/14/15	4/16/15 11:24	PJG
		0.0	mg/Kg	10		SW-846 8082A	4/14/15	4/16/15 11:24	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		60.3	30-150					4/16/15 11:24	
Decachlorobiphenyl [2]		67.2	30-150					4/16/15 11:24	
Tetrachloro-m-xylene [1]		78.5	30-150					4/16/15 11:24	
Tetrachloro-m-xylene [2]		78.0	30-150					4/16/15 11:24	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0274

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M02

Sampled: 4/3/2015 00:00

Sample ID: 15D0274-17

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:19	PJG
Aroclor-1221 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:19	PJG
Aroclor-1232 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:19	PJG
Aroclor-1242 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:19	PJG
Aroclor-1248 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:19	PJG
Aroclor-1254 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:19	PJG
Aroclor-1260 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:19	PJG
Aroclor-1262 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:19	PJG
Aroclor-1268 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:19	PJG
		0.0	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:19	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.2	30-150					4/25/15 14:19	
Decachlorobiphenyl [2]		83.8	30-150					4/25/15 14:19	
Tetrachloro-m-xylene [1]		103	30-150					4/25/15 14:19	
Tetrachloro-m-xylene [2]		95.0	30-150					4/25/15 14:19	

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0274-01 [040315-SMOHI-BA-REXT-M012]	B119502	0.528	10.0	04/16/15
15D0274-02 [040315-SMOHI-BA-REXT-M013]	B119502	0.521	10.0	04/16/15
15D0274-04 [040315-SMOHI-BA-REXT-M015]	B119502	0.563	10.0	04/16/15
15D0274-05 [040315-SMOHI-BA-REXT-M016]	B119502	0.544	10.0	04/16/15
15D0274-07 [040315-SMOHI-BA-REXT-M018]	B119502	0.515	10.0	04/16/15
15D0274-08 [040315-SMOHI-BA-REXT-M019]	B119502	0.516	10.0	04/16/15
15D0274-10 [040315-SMOHI-BA-REXT-M021]	B119502	0.540	10.0	04/16/15
15D0274-11 [040315-SMOHI-BA-REXT-M022]	B119502	0.527	10.0	04/16/15
15D0274-12 [040315-SMOHI-BA-REXT-M023]	B119502	0.529	10.0	04/16/15
15D0274-13 [040315-SMOHI-BA-REXT-M024]	B119502	0.503	10.0	04/16/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0274-03 [040315-SMOHI-BA-REXT-M014]	B118864	2.19	10.0	04/08/15
15D0274-06 [040315-SMOHI-BA-REXT-M017]	B118864	2.31	10.0	04/08/15
15D0274-09 [040315-SMOHI-BA-REXT-M020]	B118864	2.00	10.0	04/08/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0274-16 [040315-SMOHI-BA-REXT-M027]	B119290	2.02	10.0	04/14/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0274-14 [040315-SMOHI-BA-REXT-M025]	B119500	2.23	10.0	04/16/15
15D0274-15 [040315-SMOHI-BA-REXT-M026]	B119500	2.24	10.0	04/16/15
15D0274-17 [040315-SMOHI-BA-REXT-M028]	B119500	2.17	10.0	04/16/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B118864 - SW-846 3540C										
Blank (B118864-BLK1)										
Prepared: 04/08/15 Analyzed: 04/10/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.947		mg/Kg	1.00		94.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.841		mg/Kg	1.00		84.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.872		mg/Kg	1.00		87.2	30-150			
LCS (B118864-BS1)										
Prepared: 04/08/15 Analyzed: 04/10/15										
Aroclor-1016	0.25	0.10	mg/Kg	0.250		102	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		108	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140			
Surrogate: Decachlorobiphenyl	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.908		mg/Kg	1.00		90.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.966		mg/Kg	1.00		96.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.909		mg/Kg	1.00		90.9	30-150			
LCS Dup (B118864-BSD1)										
Prepared: 04/08/15 Analyzed: 04/10/15										
Aroclor-1016	0.27	0.10	mg/Kg	0.250		107	40-140	5.49	30	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		114	40-140	6.55	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		113	40-140	4.60	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		117	40-140	5.11	30	
Surrogate: Decachlorobiphenyl	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.936		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.987		mg/Kg	1.00		98.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.933		mg/Kg	1.00		93.3	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118864 - SW-846 3540C

Matrix Spike (B118864-MS1)

Source: 15D0274-09

Prepared: 04/08/15 Analyzed: 04/13/15

Aroclor-1016	0.24	0.10	mg/Kg	0.250	ND	97.5	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250	ND	95.3	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250	ND	105	40-140			
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250	ND	101	40-140			
Surrogate: Decachlorobiphenyl	0.802		mg/Kg	1.00		80.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.958		mg/Kg	1.00		95.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.724		mg/Kg	1.00		72.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.799		mg/Kg	1.00		79.9	30-150			

Matrix Spike Dup (B118864-MSD1)

Source: 15D0274-09

Prepared: 04/08/15 Analyzed: 04/13/15

Aroclor-1016	0.29	0.10	mg/Kg	0.250	ND	116	40-140	17.7	50	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250	ND	115	40-140	19.1	50	
Aroclor-1260	0.27	0.10	mg/Kg	0.250	ND	110	40-140	4.75	50	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250	ND	113	40-140	10.6	50	
Surrogate: Decachlorobiphenyl	0.830		mg/Kg	1.00		83.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.997		mg/Kg	1.00		99.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.851		mg/Kg	1.00		85.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.951		mg/Kg	1.00		95.1	30-150			

Batch B119290 - SW-846 3540C

Blank (B119290-BLK1)

Prepared: 04/14/15 Analyzed: 04/16/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.769		mg/Kg	1.00		76.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.772		mg/Kg	1.00		77.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.709		mg/Kg	1.00		70.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.708		mg/Kg	1.00		70.8	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119290 - SW-846 3540C

LCS (B119290-BS1)

Prepared: 04/14/15 Analyzed: 04/16/15

Aroclor-1016	0.20	0.10	mg/Kg	0.250		81.5	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg	0.250		86.1	40-140			
Aroclor-1260	0.21	0.10	mg/Kg	0.250		84.4	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		90.9	40-140			
Surrogate: Decachlorobiphenyl	0.762		mg/Kg	1.00		76.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.770		mg/Kg	1.00		77.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.740		mg/Kg	1.00		74.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.739		mg/Kg	1.00		73.9	30-150			

LCS Dup (B119290-BSD1)

Prepared: 04/14/15 Analyzed: 04/16/15

Aroclor-1016	0.20	0.10	mg/Kg	0.250		81.8	40-140	0.390	30	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg	0.250		87.9	40-140	2.04	30	
Aroclor-1260	0.22	0.10	mg/Kg	0.250		86.0	40-140	1.92	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		93.1	40-140	2.33	30	
Surrogate: Decachlorobiphenyl	0.780		mg/Kg	1.00		78.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.790		mg/Kg	1.00		79.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.752		mg/Kg	1.00		75.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.752		mg/Kg	1.00		75.2	30-150			

Batch B119500 - SW-846 3540C

Blank (B119500-BLK1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.916		mg/Kg	1.00		91.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.805		mg/Kg	1.00		80.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.807		mg/Kg	1.00		80.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.739		mg/Kg	1.00		73.9	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119500 - SW-846 3540C

LCS (B119500-BS1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1260	0.29	0.10	mg/Kg	0.250		117	40-140			
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		124	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.936		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.918		mg/Kg	1.00		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.826		mg/Kg	1.00		82.6	30-150			

LCS Dup (B119500-BSD1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	0.26	0.10	mg/Kg	0.250		106	40-140	0.805	30	
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140	4.12	30	
Aroclor-1260	0.29	0.10	mg/Kg	0.250		117	40-140	0.0292	30	
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		124	40-140	0.116	30	
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.930		mg/Kg	1.00		93.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.900		mg/Kg	1.00		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.815		mg/Kg	1.00		81.5	30-150			

Batch B119502 - SW-846 3540C

Blank (B119502-BLK1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	3.55		mg/Kg	4.00		88.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.20		mg/Kg	4.00		80.0	30-150			
Surrogate: Tetrachloro-m-xylene	3.46		mg/Kg	4.00		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.18		mg/Kg	4.00		79.6	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119502 - SW-846 3540C

LCS (B119502-BS1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	3.2	0.20	mg/Kg	4.00		79.4	40-140			
Aroclor-1016 [2C]	3.2	0.20	mg/Kg	4.00		79.6	40-140			
Aroclor-1260	3.2	0.20	mg/Kg	4.00		80.8	40-140			
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		83.8	40-140			
Surrogate: Decachlorobiphenyl	3.29		mg/Kg	4.00		82.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.96		mg/Kg	4.00		74.1	30-150			
Surrogate: Tetrachloro-m-xylene	3.16		mg/Kg	4.00		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.88		mg/Kg	4.00		72.0	30-150			

LCS Dup (B119502-BSD1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	3.5	0.20	mg/Kg	4.00		86.9	40-140	9.06	30	
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		87.0	40-140	8.89	30	
Aroclor-1260	3.6	0.20	mg/Kg	4.00		89.7	40-140	10.4	30	
Aroclor-1260 [2C]	3.7	0.20	mg/Kg	4.00		91.8	40-140	9.12	30	
Surrogate: Decachlorobiphenyl	3.61		mg/Kg	4.00		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.24		mg/Kg	4.00		81.1	30-150			
Surrogate: Tetrachloro-m-xylene	3.48		mg/Kg	4.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.14		mg/Kg	4.00		78.4	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B118864-BS1 Date(s) Analyzed: 04/10/2015 04/10/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.27	6
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.28	4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B118864-BSD1 Date(s) Analyzed: 04/10/2015 04/10/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.29	8
Aroclor-1260	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.29	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike

Lab Sample ID: B118864-MS1 Date(s) Analyzed: 04/13/2015 04/13/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.24	2
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.25	5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B118864-MSD1 Date(s) Analyzed: 04/13/2015 04/13/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.29	
	2	0.00	0.00	0.00	0.29	0
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.28	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119290-BS1 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.22	8
Aroclor-1260	1	0.00	0.00	0.00	0.21	
	2	0.00	0.00	0.00	0.23	9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119290-BSD1 Date(s) Analyzed: 04/16/2015 04/16/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.22	8
Aroclor-1260	1	0.00	0.00	0.00	0.22	
	2	0.00	0.00	0.00	0.23	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B119500-BS1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.27	1
Aroclor-1260	1	0.00	0.00	0.00	0.29	
	2	0.00	0.00	0.00	0.31	6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B119502-BS1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.2	
	2	0.00	0.00	0.00	3.2	1
Aroclor-1260	1	0.00	0.00	0.00	3.2	
	2	0.00	0.00	0.00	3.4	5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B119502-BSD1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.5	
	2	0.00	0.00	0.00	3.5	1
Aroclor-1260	1	0.00	0.00	0.00	3.6	
	2	0.00	0.00	0.00	3.7	3

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- O-27 Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.
 - RL-12 Elevated reporting limit due to matrix interference.
 - S-01 The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

1500274

18100 Von Karman Ave., Suite 600 Irvine, CA 92612 (949) 261-5151 (949) 261-6202 (fax)
 707 Wilshire Blvd., Suite 4950 Los Angeles, Calif. 90017 (213) 943-6300 (213) 943-6301 (fax)
 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

MSA#: _____ WO#: _____

 PROJECT NAME / FACILITY ID: SNO-HI

 FIELD PERSON: RB, SY, NJ, RJ

 PROJECT NUMBER: 0433980R DATE: 04/03/2015

 PROJECT MANAGER: Jaron Wilkinson

 PROJECT LOCATION: SNO

 LABORATORY: Center

 IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF+Excel

SAMPLER: <u>RB</u>	YEAR 2015		SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (M) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F / U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS
	SAMPLE DATE	SAMPLE TIME								
SIGNATURE: <u>[Signature]</u>									<u>PCB 8082</u> <u>SO₂ Extension</u>	
SAMPLE I.D. NUMBER										
<u>040315-SNOHI-BA-REXT-M012</u>	<u>04/03</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>1</u>	<u>NA</u>	<u>Cold</u>	<u>X</u>	<u>X</u>
<u>-M013</u>										
<u>-M014</u>										
<u>-M015</u>										
<u>-M016</u>										
<u>-M017</u>										
<u>-M018</u>										
<u>-M019</u>										
<u>-M020</u>										
<u>-M021</u>										
<u>-M022</u>										
<u>-M023</u>										
<u>-M024</u>										
TOTAL	X	X	X							

 01
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11
12
13

RELINQUISHED BY: _____ TIME/DATE: <u>4/6</u>	RECEIVED BY: <u>[Signature]</u> TIME/DATE: <u>2.8</u> <u>4:15</u> <u>7:19</u>	TURNAROUND TIME (CIRCLE ONE)	SAME DAY 24 HOURS 48 HOURS	72 HOURS 5 DAYS NORMAL <u>2 weeks</u>
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: _____	SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: _____	INTACT: Y N Temp _____	INTACT: Y N	

15 D0274

- 18100 Von Karman Ave., Suite 600 Irvine, CA 92612 (949) 261-5151 (949) 261-6202 (fax)
- 707 Wilshire Blvd., Suite 4950 Los Angeles, Calif. 90017 (213) 943-6300 (213) 943-6301 (fax)
- 1702 E Highland Avenue, Suite 412 Phoenix, AZ 85016 (602) 734-7700 (602) 734-7701 (fax)

PROJECT NAME / FACILITY ID: SNO-HI

PROJECT NUMBER: 0433980R DATE: 04/03/2015

PROJECT LOCATION: SNO

MSA#: _____ WO#: _____

FIELD PERSON: Jason Wilkinson RB, SY, NS, RS

PROJECT MANAGER: Jason Wilkinson

LABORATORY: Contest

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: PDF + Excel

SAMPLER:	SIGNATURE:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS	
		2015									PCB8082	LA Extension		
14			04/03	NA	NA	NA	NA	1	NA	Cold	X	X		
15														
16														
17														
TOTAL			X	X	X									

RELINQUISHED BY: <u>J</u> TIME/DATE: <u>4/6</u>	RECEIVED BY: <u>Paula</u> TIME/DATE: <u>9:15</u>
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: <u>4:15</u>
RELINQUISHED BY: _____ TIME/DATE: _____	RECEIVED BY: _____ TIME/DATE: _____

TURNAROUND TIME (CIRCLE ONE)	SAME DAY 24 HOURS 48 HOURS	72 HOURS 5 DAYS 2 weeks (NORMAL)
SAMPLE INTEGRITY	IF SEALED, SEAL INTEGRITY	
INTACT: Y N Temp _____	INTACT: Y N	



FedEx® Tracking

773232854534

Ship (PIU) date:
Mon 4/06/2015 5:04 pm

Actual delivery:
Tues 4/07/2015 9:19 am



Delivered

Signed for by: P. BLAKE

Irvine, CA US

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
4/07/2015 - Tuesday		
9:19 am	Delivered	EAST LONGMEADOW, MA
7:47 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:41 am	At local FedEx facility	WINDSOR LOCKS, CT
6:25 am	At destination sort facility	EAST GRANBY, CT
4:52 am	Departed FedEx location	INDIANAPOLIS, IN
2:22 am	Arrived at FedEx location	INDIANAPOLIS, IN
4/06/2015 - Monday		
6:40 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:04 pm	Picked up Tendered at FedEx Office	SANTA MONICA, CA
3/27/2015 - Friday		
12:07 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773232854534	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x14 in.
Delivered To	Shipping/Receiving	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	Deliver Weekday, Additional Handling Surcharge



Search

Customer Focus
 New Customer Center
 Small Business Center
 Service Guide
 Customer Support

Featured Services
 FedEx One Rate
 FedEx SameDay
 FedEx Home Delivery
 Healthcare Solutions
 Online Retail Solutions
 Packaging Services
 Ancillary Clearance Services

Companies
 FedEx Express
 FedEx Ground
 FedEx Office
 FedEx Freight
 FedEx Custom Critical
 FedEx Trade Networks
 FedEx SupplyChain
 FedEx TechConnect

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United States - English

Company Information
 About FedEx
 Careers
 Investor Relations

Other Resources
 FedEx Compatible
 Developer Resource Center
 FedEx Ship Manager Software
 FedEx Mobile

Login Sample Receipt Checklist
(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials: PB

Date/Time:

Date/Time: 4.7.15
9:19

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: PB DATE: 4-7-15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No No
 If not, explain: _____
- 3) Are all the samples in good condition? Yes No No
 If not, explain: _____

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A
 Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.8

5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: login
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

# of containers		# of containers	
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz <u>amber</u> /clear jar	17
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
 Doc# 277 # Bisulfate _____ # DI Water _____
 Rev. 4 August 2013 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO-HI
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0278

Enclosed are results of analyses for samples received by the laboratory on April 7, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0278

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO-HI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040315-SMOHI-BA-RHALL-M001	15D0278-01	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-RHALL-M002	15D0278-02	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-RHALL-M003	15D0278-03	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-RHALL-M004	15D0278-04	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-RHALL-M005	15D0278-05	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-RHALL-M006	15D0278-06	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M009	15D0278-07	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M010	15D0278-08	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M011	15D0278-09	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M012	15D0278-10	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M013	15D0278-11	Caulk		SW-846 8082A	
040315-SMOHI-BA-R208-M014	15D0278-12	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M015	15D0278-13	Caulk		SW-846 8082A	
040315-SMOHI-BA-R208-M016	15D0278-14	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M017	15D0278-15	Paint		SW-846 8082A	
040315-SMOHI-BA-R208-M018	15D0278-16	Paint		SW-846 8082A	
040315-SMOHI-BA-R208-M019	15D0278-17	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M020	15D0278-18	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R208-M021	15D0278-19	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:**MS-22**

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C]
B119500-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0278-01[040315-SMOHI-BA-RHALL-M001], 15D0278-02[040315-SMOHI-BA-RHALL-M002], 15D0278-03[040315-SMOHI-BA-RHALL-M003], 15D0278-04[040315-SMOHI-BA-RHALL-M004], 15D0278-05[040315-SMOHI-BA-RHALL-M005], 15D0278-06[040315-SMOHI-BA-RHALL-M006], 15D0278-07[040315-SMOHI-BA-R208-M009], 15D0278-09[040315-SMOHI-BA-R208-M011]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-RHALL-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-01

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:55	PJG
Aroclor-1221 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:55	PJG
Aroclor-1232 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:55	PJG
Aroclor-1242 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:55	PJG
Aroclor-1248 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:55	PJG
Aroclor-1254 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:55	PJG
Aroclor-1260 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:55	PJG
Aroclor-1262 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:55	PJG
Aroclor-1268 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:55	PJG
	0.0		mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 14:55	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		65.6	30-150					4/25/15 14:55	
Decachlorobiphenyl [2]		65.5	30-150					4/25/15 14:55	
Tetrachloro-m-xylene [1]		78.5	30-150					4/25/15 14:55	
Tetrachloro-m-xylene [2]		71.9	30-150					4/25/15 14:55	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-RHALL-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-02

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:13	PJG
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:13	PJG
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:13	PJG
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:13	PJG
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:13	PJG
Aroclor-1254 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:13	PJG
Aroclor-1260 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:13	PJG
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:13	PJG
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:13	PJG
	0.0		mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:13	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.2	30-150					4/25/15 15:13	
Decachlorobiphenyl [2]		82.3	30-150					4/25/15 15:13	
Tetrachloro-m-xylene [1]		94.2	30-150					4/25/15 15:13	
Tetrachloro-m-xylene [2]		84.9	30-150					4/25/15 15:13	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-RHALL-M003

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-03

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:31	PJG
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:31	PJG
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:31	PJG
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:31	PJG
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:31	PJG
Aroclor-1254 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:31	PJG
Aroclor-1260 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:31	PJG
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:31	PJG
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:31	PJG
	0.0		mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:31	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.4	30-150					4/25/15 15:31	
Decachlorobiphenyl [2]		75.2	30-150					4/25/15 15:31	
Tetrachloro-m-xylene [1]		84.0	30-150					4/25/15 15:31	
Tetrachloro-m-xylene [2]		76.3	30-150					4/25/15 15:31	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-RHALL-M004

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-04

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:49	PJG
Aroclor-1221 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:49	PJG
Aroclor-1232 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:49	PJG
Aroclor-1242 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:49	PJG
Aroclor-1248 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:49	PJG
Aroclor-1254 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:49	PJG
Aroclor-1260 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:49	PJG
Aroclor-1262 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:49	PJG
Aroclor-1268 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:49	PJG
	0.0		mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 15:49	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.6	30-150					4/25/15 15:49	
Decachlorobiphenyl [2]		87.3	30-150					4/25/15 15:49	
Tetrachloro-m-xylene [1]		97.1	30-150					4/25/15 15:49	
Tetrachloro-m-xylene [2]		87.9	30-150					4/25/15 15:49	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-RHALL-M005

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-05

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:06	PJG
Aroclor-1221 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:06	PJG
Aroclor-1232 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:06	PJG
Aroclor-1242 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:06	PJG
Aroclor-1248 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:06	PJG
Aroclor-1254 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:06	PJG
Aroclor-1260 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:06	PJG
Aroclor-1262 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:06	PJG
Aroclor-1268 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:06	PJG
	0.0		mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:06	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.8	30-150					4/25/15 16:06	
Decachlorobiphenyl [2]		74.3	30-150					4/25/15 16:06	
Tetrachloro-m-xylene [1]		83.6	30-150					4/25/15 16:06	
Tetrachloro-m-xylene [2]		76.2	30-150					4/25/15 16:06	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-RHALL-M006

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-06

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:24	PJG
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:24	PJG
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:24	PJG
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:24	PJG
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:24	PJG
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:24	PJG
Aroclor-1260 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:24	PJG
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:24	PJG
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:24	PJG
	0.0		mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:24	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.5	30-150					4/25/15 16:24	
Decachlorobiphenyl [2]		69.0	30-150					4/25/15 16:24	
Tetrachloro-m-xylene [1]		78.8	30-150					4/25/15 16:24	
Tetrachloro-m-xylene [2]		72.1	30-150					4/25/15 16:24	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M009

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-07

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:42	PJG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:42	PJG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:42	PJG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:42	PJG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:42	PJG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:42	PJG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:42	PJG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:42	PJG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:42	PJG
		0.0	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 16:42	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		51.9	30-150					4/25/15 16:42	
Decachlorobiphenyl [2]		50.6	30-150					4/25/15 16:42	
Tetrachloro-m-xylene [1]		59.2	30-150					4/25/15 16:42	
Tetrachloro-m-xylene [2]		53.4	30-150					4/25/15 16:42	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M010

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:25	PJG
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:25	PJG
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:25	PJG
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:25	PJG
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:25	PJG
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:25	PJG
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:25	PJG
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:25	PJG
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:25	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 3:25	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.7	30-150					4/24/15 3:25	
Decachlorobiphenyl [2]		70.1	30-150					4/24/15 3:25	
Tetrachloro-m-xylene [1]		65.6	30-150					4/24/15 3:25	
Tetrachloro-m-xylene [2]		64.7	30-150					4/24/15 3:25	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M011

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-09

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 17:00	PJG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 17:00	PJG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 17:00	PJG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 17:00	PJG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 17:00	PJG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 17:00	PJG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 17:00	PJG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 17:00	PJG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 17:00	PJG
	0.0		mg/Kg	10		SW-846 8082A	4/16/15	4/25/15 17:00	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		34.5	30-150					4/25/15 17:00	
Decachlorobiphenyl [2]		34.3	30-150					4/25/15 17:00	
Tetrachloro-m-xylene [1]		40.2	30-150					4/25/15 17:00	
Tetrachloro-m-xylene [2]		36.1	30-150					4/25/15 17:00	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M012

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:17	PJG
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:17	PJG
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:17	PJG
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:17	PJG
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:17	PJG
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:17	PJG
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:17	PJG
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:17	PJG
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:17	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:17	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.6	30-150					4/24/15 4:17	
Decachlorobiphenyl [2]		72.9	30-150					4/24/15 4:17	
Tetrachloro-m-xylene [1]		73.2	30-150					4/24/15 4:17	
Tetrachloro-m-xylene [2]		71.9	30-150					4/24/15 4:17	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M013

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:30	PJG
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:30	PJG
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:30	PJG
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:30	PJG
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:30	PJG
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:30	PJG
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:30	PJG
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:30	PJG
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:30	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:30	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.8	30-150					4/24/15 4:30	
Decachlorobiphenyl [2]		88.5	30-150					4/24/15 4:30	
Tetrachloro-m-xylene [1]		92.5	30-150					4/24/15 4:30	
Tetrachloro-m-xylene [2]		88.7	30-150					4/24/15 4:30	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M014

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:29	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:29	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:29	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:29	PJG
Aroclor-1248 [2]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:29	PJG
Aroclor-1254 [2]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:29	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:29	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:29	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:29	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:29	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.8	30-150					4/24/15 16:29	
Decachlorobiphenyl [2]		70.9	30-150					4/24/15 16:29	
Tetrachloro-m-xylene [1]		76.2	30-150					4/24/15 16:29	
Tetrachloro-m-xylene [2]		69.4	30-150					4/24/15 16:29	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M015

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-13

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:43	PJG
Aroclor-1221 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:43	PJG
Aroclor-1232 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:43	PJG
Aroclor-1242 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:43	PJG
Aroclor-1248 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:43	PJG
Aroclor-1254 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:43	PJG
Aroclor-1260 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:43	PJG
Aroclor-1262 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:43	PJG
Aroclor-1268 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:43	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:43	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		68.7	30-150					4/24/15 4:43	
Decachlorobiphenyl [2]		65.0	30-150					4/24/15 4:43	
Tetrachloro-m-xylene [1]		54.4	30-150					4/24/15 4:43	
Tetrachloro-m-xylene [2]		54.2	30-150					4/24/15 4:43	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M016

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:53	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:53	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:53	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:53	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:53	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:53	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:53	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:53	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:53	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:53	PJG
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	79.7	30-150						4/24/15 13:53	
Decachlorobiphenyl [2]	72.0	30-150						4/24/15 13:53	
Tetrachloro-m-xylene [1]	76.5	30-150						4/24/15 13:53	
Tetrachloro-m-xylene [2]	70.5	30-150						4/24/15 13:53	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M017

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-15

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:06	PJG
Aroclor-1221 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:06	PJG
Aroclor-1232 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:06	PJG
Aroclor-1242 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:06	PJG
Aroclor-1248 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:06	PJG
Aroclor-1254 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:06	PJG
Aroclor-1260 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:06	PJG
Aroclor-1262 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:06	PJG
Aroclor-1268 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:06	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:06	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.2	30-150					4/24/15 14:06	
Decachlorobiphenyl [2]		77.6	30-150					4/24/15 14:06	
Tetrachloro-m-xylene [1]		87.0	30-150					4/24/15 14:06	
Tetrachloro-m-xylene [2]		80.5	30-150					4/24/15 14:06	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M018

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-16

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:19	PJG
Aroclor-1221 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:19	PJG
Aroclor-1232 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:19	PJG
Aroclor-1242 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:19	PJG
Aroclor-1248 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:19	PJG
Aroclor-1254 [2]	0.69	0.39	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:19	PJG
Aroclor-1260 [2]	0.43	0.39	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:19	PJG
Aroclor-1262 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:19	PJG
Aroclor-1268 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:19	PJG
	1.1		mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:19	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		122	30-150					4/24/15 14:19	
Decachlorobiphenyl [2]		108	30-150					4/24/15 14:19	
Tetrachloro-m-xylene [1]		116	30-150					4/24/15 14:19	
Tetrachloro-m-xylene [2]		104	30-150					4/24/15 14:19	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M019

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:42	PJG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:42	PJG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:42	PJG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:42	PJG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:42	PJG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:42	PJG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:42	PJG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:42	PJG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:42	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 16:42	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		41.9	30-150					4/24/15 16:42	
Decachlorobiphenyl [2]		40.0	30-150					4/24/15 16:42	
Tetrachloro-m-xylene [1]		39.8	30-150					4/24/15 16:42	
Tetrachloro-m-xylene [2]		38.7	30-150					4/24/15 16:42	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M020

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:32	PJG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:32	PJG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:32	PJG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:32	PJG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:32	PJG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:32	PJG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:32	PJG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:32	PJG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:32	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:32	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.5	30-150					4/24/15 14:32	
Decachlorobiphenyl [2]		89.9	30-150					4/24/15 14:32	
Tetrachloro-m-xylene [1]		87.4	30-150					4/24/15 14:32	
Tetrachloro-m-xylene [2]		79.9	30-150					4/24/15 14:32	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0278

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M021

Sampled: 4/3/2015 00:00

Sample ID: 15D0278-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:45	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:45	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:45	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:45	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:45	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:45	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:45	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:45	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:45	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 14:45	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		109	30-150					4/24/15 14:45	
Decachlorobiphenyl [2]		98.6	30-150					4/24/15 14:45	
Tetrachloro-m-xylene [1]		98.4	30-150					4/24/15 14:45	
Tetrachloro-m-xylene [2]		89.5	30-150					4/24/15 14:45	

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0278-08 [040315-SMOHI-BA-R208-M010]	B119502	0.527	10.0	04/16/15
15D0278-10 [040315-SMOHI-BA-R208-M012]	B119502	0.502	10.0	04/16/15
15D0278-11 [040315-SMOHI-BA-R208-M013]	B119502	0.514	10.0	04/16/15
15D0278-13 [040315-SMOHI-BA-R208-M015]	B119502	0.534	10.0	04/16/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0278-15 [040315-SMOHI-BA-R208-M017]	B119520	0.250	10.0	04/16/15
15D0278-16 [040315-SMOHI-BA-R208-M018]	B119520	0.256	10.0	04/16/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0278-01 [040315-SMOHI-BA-RHALL-M001]	B119500	2.13	10.0	04/16/15
15D0278-02 [040315-SMOHI-BA-RHALL-M002]	B119500	2.20	10.0	04/16/15
15D0278-03 [040315-SMOHI-BA-RHALL-M003]	B119500	2.20	10.0	04/16/15
15D0278-04 [040315-SMOHI-BA-RHALL-M004]	B119500	2.22	10.0	04/16/15
15D0278-05 [040315-SMOHI-BA-RHALL-M005]	B119500	2.27	10.0	04/16/15
15D0278-06 [040315-SMOHI-BA-RHALL-M006]	B119500	2.16	10.0	04/16/15
15D0278-07 [040315-SMOHI-BA-R208-M009]	B119500	2.03	10.0	04/16/15
15D0278-09 [040315-SMOHI-BA-R208-M011]	B119500	2.02	10.0	04/16/15
15D0278-12 [040315-SMOHI-BA-R208-M014]	B119500	2.10	10.0	04/16/15
15D0278-14 [040315-SMOHI-BA-R208-M016]	B119500	2.11	10.0	04/16/15
15D0278-17 [040315-SMOHI-BA-R208-M019]	B119500	2.07	10.0	04/16/15
15D0278-18 [040315-SMOHI-BA-R208-M020]	B119500	2.09	10.0	04/16/15
15D0278-19 [040315-SMOHI-BA-R208-M021]	B119500	2.20	10.0	04/16/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119500 - SW-846 3540C										
Blank (B119500-BLK1)										
Prepared: 04/16/15 Analyzed: 04/24/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.916		mg/Kg	1.00		91.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.805		mg/Kg	1.00		80.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.807		mg/Kg	1.00		80.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.739		mg/Kg	1.00		73.9	30-150			
LCS (B119500-BS1)										
Prepared: 04/16/15 Analyzed: 04/24/15										
Aroclor-1016	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1260	0.29	0.10	mg/Kg	0.250		117	40-140			
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		124	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.936		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.918		mg/Kg	1.00		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.826		mg/Kg	1.00		82.6	30-150			
LCS Dup (B119500-BSD1)										
Prepared: 04/16/15 Analyzed: 04/24/15										
Aroclor-1016	0.26	0.10	mg/Kg	0.250		106	40-140	0.805	30	
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140	4.12	30	
Aroclor-1260	0.29	0.10	mg/Kg	0.250		117	40-140	0.0292	30	
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		124	40-140	0.116	30	
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.930		mg/Kg	1.00		93.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.900		mg/Kg	1.00		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.815		mg/Kg	1.00		81.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119500 - SW-846 3540C

Matrix Spike (B119500-MS1)

Source: 15D0278-01

Prepared: 04/16/15 Analyzed: 04/25/15

Aroclor-1016	0.30	0.97	mg/Kg	0.242	ND	125	40-140			
Aroclor-1016 [2C]	0.29	0.97	mg/Kg	0.242	ND	121	40-140			
Aroclor-1260	0.27	0.97	mg/Kg	0.242	ND	110	40-140			
Aroclor-1260 [2C]	0.24	0.97	mg/Kg	0.242	ND	100	40-140			
Surrogate: Decachlorobiphenyl	0.789		mg/Kg	0.966		81.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.769		mg/Kg	0.966		79.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.865		mg/Kg	0.966		89.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.777		mg/Kg	0.966		80.4	30-150			

Matrix Spike (B119500-MS2)

Source: 15D0278-02

Prepared: 04/16/15 Analyzed: 04/25/15

Aroclor-1016	0.29	0.94	mg/Kg	0.236	ND	123	40-140			
Aroclor-1016 [2C]	0.23	0.94	mg/Kg	0.236	ND	97.5	40-140			
Aroclor-1260	0.24	0.94	mg/Kg	0.236	ND	103	40-140			
Aroclor-1260 [2C]	0.25	0.94	mg/Kg	0.236	ND	106	40-140			
Surrogate: Decachlorobiphenyl	0.738		mg/Kg	0.943		78.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.702		mg/Kg	0.943		74.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.826		mg/Kg	0.943		87.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.750		mg/Kg	0.943		79.5	30-150			

Matrix Spike Dup (B119500-MSD1)

Source: 15D0278-01

Prepared: 04/16/15 Analyzed: 04/25/15

Aroclor-1016	0.25	0.88	mg/Kg	0.219	ND	114	40-140	18.8	50	
Aroclor-1016 [2C]	0.31	0.88	mg/Kg	0.219	ND	141 *	40-140	5.36	50	MS-22
Aroclor-1260	0.27	0.88	mg/Kg	0.219	ND	121	40-140	0.0324	50	
Aroclor-1260 [2C]	0.23	0.88	mg/Kg	0.219	ND	106	40-140	3.86	50	
Surrogate: Decachlorobiphenyl	0.744		mg/Kg	0.877		84.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.723		mg/Kg	0.877		82.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.814		mg/Kg	0.877		92.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.729		mg/Kg	0.877		83.2	30-150			

Matrix Spike Dup (B119500-MSD2)

Source: 15D0278-02

Prepared: 04/16/15 Analyzed: 04/25/15

Aroclor-1016	0.33	0.96	mg/Kg	0.240	ND	139	40-140	14.1	50	
Aroclor-1016 [2C]	0.28	0.96	mg/Kg	0.240	ND	116	40-140	19.1	50	
Aroclor-1260	0.28	0.96	mg/Kg	0.240	ND	116	40-140	13.9	50	
Aroclor-1260 [2C]	0.29	0.96	mg/Kg	0.240	ND	121	40-140	15.2	50	
Surrogate: Decachlorobiphenyl	0.907		mg/Kg	0.962		94.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.869		mg/Kg	0.962		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.956		mg/Kg	0.962		99.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.859		mg/Kg	0.962		89.3	30-150			

Batch B119502 - SW-846 3540C

Blank (B119502-BLK1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119502 - SW-846 3540C

Blank (B119502-BLK1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							

Surrogate: Decachlorobiphenyl	3.55		mg/Kg	4.00		88.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.20		mg/Kg	4.00		80.0	30-150			
Surrogate: Tetrachloro-m-xylene	3.46		mg/Kg	4.00		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.18		mg/Kg	4.00		79.6	30-150			

LCS (B119502-BS1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	3.2	0.20	mg/Kg	4.00		79.4	40-140			
Aroclor-1016 [2C]	3.2	0.20	mg/Kg	4.00		79.6	40-140			
Aroclor-1260	3.2	0.20	mg/Kg	4.00		80.8	40-140			
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		83.8	40-140			
Surrogate: Decachlorobiphenyl	3.29		mg/Kg	4.00		82.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.96		mg/Kg	4.00		74.1	30-150			
Surrogate: Tetrachloro-m-xylene	3.16		mg/Kg	4.00		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.88		mg/Kg	4.00		72.0	30-150			

LCS Dup (B119502-BSD1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	3.5	0.20	mg/Kg	4.00		86.9	40-140	9.06	30	
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		87.0	40-140	8.89	30	
Aroclor-1260	3.6	0.20	mg/Kg	4.00		89.7	40-140	10.4	30	
Aroclor-1260 [2C]	3.7	0.20	mg/Kg	4.00		91.8	40-140	9.12	30	
Surrogate: Decachlorobiphenyl	3.61		mg/Kg	4.00		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.24		mg/Kg	4.00		81.1	30-150			
Surrogate: Tetrachloro-m-xylene	3.48		mg/Kg	4.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.14		mg/Kg	4.00		78.4	30-150			

Batch B119520 - SW-846 3540C

Blank (B119520-BLK1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119520 - SW-846 3540C										
Blank (B119520-BLK1)										
Prepared: 04/16/15 Analyzed: 04/24/15										
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	8.99		mg/Kg	10.0		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	7.96		mg/Kg	10.0		79.6	30-150			
Surrogate: Tetrachloro-m-xylene	8.80		mg/Kg	10.0		88.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.01		mg/Kg	10.0		80.1	30-150			
LCS (B119520-BS1)										
Prepared: 04/16/15 Analyzed: 04/24/15										
Aroclor-1016	2.6	0.50	mg/Kg	2.50		102	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		103	40-140			
Aroclor-1260	2.5	0.50	mg/Kg	2.50		101	40-140			
Aroclor-1260 [2C]	2.7	0.50	mg/Kg	2.50		108	40-140			
Surrogate: Decachlorobiphenyl	9.73		mg/Kg	10.0		97.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.61		mg/Kg	10.0		86.1	30-150			
Surrogate: Tetrachloro-m-xylene	8.85		mg/Kg	10.0		88.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.07		mg/Kg	10.0		80.7	30-150			
LCS Dup (B119520-BSD1)										
Prepared: 04/16/15 Analyzed: 04/24/15										
Aroclor-1016	2.9	0.50	mg/Kg	2.50		114	40-140	11.2	30	
Aroclor-1016 [2C]	2.7	0.50	mg/Kg	2.50		109	40-140	5.08	30	
Aroclor-1260	2.8	0.50	mg/Kg	2.50		110	40-140	8.21	30	
Aroclor-1260 [2C]	2.9	0.50	mg/Kg	2.50		117	40-140	8.46	30	
Surrogate: Decachlorobiphenyl	10.6		mg/Kg	10.0		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.48		mg/Kg	10.0		94.8	30-150			
Surrogate: Tetrachloro-m-xylene	9.64		mg/Kg	10.0		96.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.72		mg/Kg	10.0		87.2	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

040315-SMOHI-BA-R208-M018

SW-846 8082A

Lab Sample ID: 15D0278-16 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.63	
	2	0.00	0.00	0.00	0.69	8.9
Aroclor-1260	1	0.00	0.00	0.00	0.40	
	2	0.00	0.00	0.00	0.43	8.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119500-BSD1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	6
Aroclor-1260	1	0.00	0.00	0.00	0.29	
	2	0.00	0.00	0.00	0.31	6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B119500-MSD1 Date(s) Analyzed: 04/25/2015 04/25/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.31	21
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.23	14

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B119500-MSD2 Date(s) Analyzed: 04/25/2015 04/25/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.33	
	2	0.00	0.00	0.00	0.28	18
Aroclor-1260	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.29	4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119502-BS1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.2	
	2	0.00	0.00	0.00	3.2	1
Aroclor-1260	1	0.00	0.00	0.00	3.2	
	2	0.00	0.00	0.00	3.4	5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119502-BSD1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.5	
	2	0.00	0.00	0.00	3.5	1
Aroclor-1260	1	0.00	0.00	0.00	3.6	
	2	0.00	0.00	0.00	3.7	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119520-BS1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.6	
	2	0.00	0.00	0.00	2.6	2
Aroclor-1260	1	0.00	0.00	0.00	2.5	
	2	0.00	0.00	0.00	2.7	6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119520-BSD1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.9	
	2	0.00	0.00	0.00	2.7	6
Aroclor-1260	1	0.00	0.00	0.00	2.8	
	2	0.00	0.00	0.00	2.9	5

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- MS-22 Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
- RL-12 Elevated reporting limit due to matrix interference.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015



CHAIN-OF-CUSTODY

No. 11263

PAGE 3 of 6

18100 Von Karman Ave., Suite 600
Irvine, CA 92612
(949) 261-5151
(949) 261-6202 (fax)

707 Wilshire Blvd., Suite 4950
Los Angeles, Calif. 90017
(213) 943-6300
(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

PROJECT NAME / FACILITY ID: SMO-HI

PROJECT NUMBER: 0433980R

PROJECT LOCATION: SALO

MSA#: _____

FIELD PERSON: R.S.M.

PROJECT MANAGER: Jason Wilkinson

LABORATORY: Contest

DATE: 04/03/2015

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #:

SAMPLER:	SIGNATURE:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (M) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS	SAME DAY 24 HOURS 48 HOURS	TURNAROUND TIME (CIRCLE ONE)	SAME DAY 72 HOURS 5 DAYS (NORMAL)
01	<u>[Signature]</u>	2015	04/03	NA	NA	NA	NA	1	NA	Cold	X				
02															
03															
04															
05															
06															
07															
08															
09															
10															
TOTAL												XXXX			

RELINQUISHED BY: [Signature] TIME/DATE: 4/6

RECEIVED BY: [Signature] TIME/DATE: 4.7.15 9:19

RECEIVED BY: _____ TIME/DATE: _____

RECEIVED BY: _____ TIME/DATE: _____

RECEIVED BY: _____ TIME/DATE: _____



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707 Wilshire Blvd., Suite 4950
Los Angeles, Calif. 90017
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(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

CHAIN-OF-CUSTODY No 11292

15D0278

PAGE 4 of 6

PROJECT NAME / FACILITY ID: SMO - HI

PROJECT NUMBER: 04-33980R

PROJECT LOCATION: SMO

MSA#: _____ WO#: _____

FIELD PERSON: Dale Cross / Corissa Turner

PROJECT MANAGER: Jason Wilkison

LABORATORY: Comtest

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: pdf and Excel

SAMPLER: <u>DC & T</u>	SIGNATURE: <u>[Signature]</u>	YEAR <u>2016</u>	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (M) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS	SAME DAY 24 HOURS 48 HOURS	TURNAROUND TIME (CIRCLE ONE)	IF SEALED, SEAL INTEGRITY
			040315-SMOHI-BA-R008-M009	NA	NA	NA	NA	1	NA	REF	X				
			-M010												
			-M011												
			-M012												
			-M013												
			-M014												
			-M015												
			-M016												
			-M017												
			-M018												
			-M019												
			-M020												
			-M021												
			TOTAL												

RECEIVED BY: [Signature] TIME/DATE: 4-7-15 9:19
 RECEIVED BY: Paula D TIME/DATE: 4-7-15 9:19
 RECEIVED BY: _____ TIME/DATE: _____
 RECEIVED BY: _____ TIME/DATE: _____

RECEIVED BY: _____ TIME/DATE: _____
 RECEIVED BY: _____ TIME/DATE: _____
 RECEIVED BY: _____ TIME/DATE: _____

RECEIVED BY: _____ TIME/DATE: _____
 RECEIVED BY: _____ TIME/DATE: _____
 RECEIVED BY: _____ TIME/DATE: _____



FedEx® Tracking

773232854534

Ship (P/U) date: Mon 4/06/2015 5:04 pm

Actual delivery: Tues 4/07/2015 9:19 am

Irvine, CA US



Delivered

Signed for by: P.BLAKE

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
4/07/2015 - Tuesday		
9:19 am	Delivered	EAST LONGMEADOW, MA
7:47 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:41 am	At local FedEx facility	WINDSOR LOCKS, CT
6:25 am	At destination sort facility	EAST GRANBY, CT
4:52 am	Departed FedEx location	INDIANAPOLIS, IN
2:22 am	Arrived at FedEx location	INDIANAPOLIS, IN
4/06/2015 - Monday		
6:40 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:04 pm	Picked up	SANTA MONICA, CA
	Tendered at FedEx Office	
3/27/2015 - Friday		
12:07 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773232854534	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x14 in.
Delivered To	Shipping/Receiving	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	Deliver Weekday, Additional Handling Surcharge



Search

Customer Focus
New Customer Center
Small Business Center
Service Guide
Customer Support

Featured Services
FedEx One Rate
FedEx SameDay
FedEx Home Delivery
Healthcare Solutions
Online Retail Solutions
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FedEx Ship Manager Software
FedEx Mobile

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: DB DATE: 4.7.15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain: _____
- 3) Are all the samples in good condition? Yes No
 If not, explain: _____

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A
 Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.8

5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: Log in
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz <u>amber</u> /clear jar	<u>23</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen: _____

Doc# 277

Rev. 4 August 2013

Login Sample Receipt Checklist
(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

<u>Question</u>	<u>Answer (True/False)</u>		<u>Comment</u>
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	NA		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	NA		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	NA		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA		
21) Samples do not require splitting or compositing.	T		

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials: PB

Date/Time:

Date/Time: 4.7.15

9:19

May 14, 2015

Jason Wilkinson
Environ International Corp.
3 Carlisle Road Suite 210
Westford, MA 01886

Project Location: SMO-HI
Client Job Number:
Project Number: 0433980R
Laboratory Work Order Number: 15D0283

Enclosed are results of analyses for samples received by the laboratory on April 7, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right.

Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Environ International Corp.
 3 Carlisle Road Suite 210
 Westford, MA 01886
 ATTN: Jason Wilkinson

REPORT DATE: 5/14/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0433980R

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0283

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SMO-HI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
040315-SMOHI-BA-R208-M022	15D0283-01	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R10-M001	15D0283-02	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R10-M002	15D0283-03	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-R10-M003	15D0283-04	Paint		SW-846 8082A	
040315-SMOHI-BA-R10-M004	15D0283-05	Caulk		SW-846 8082A	
040315-SMOHI-BA-R12-M001	15D0283-06	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-REXT-M001	15D0283-07	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-REXT-M002	15D0283-08	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-REXT-M003	15D0283-09	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M004	15D0283-10	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M005	15D0283-11	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M006	15D0283-12	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M007	15D0283-13	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M008	15D0283-14	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M009	15D0283-15	Caulk		SW-846 8082A	
040315-SMOHI-BA-REXT-M010	15D0283-16	Product/Solid		SW-846 8082A	
040315-SMOHI-BA-REXT-M011	15D0283-17	Product/Solid		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 05/13/15: Report revised to include Total PCBs as requested by the client.

SW-846 8082A

Qualifications:**RL-12**

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15D0283-02[040315-SMOHI-BA-R10-M001], 15D0283-03[040315-SMOHI-BA-R10-M002]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Aroclor-1221**

B119430-BLK1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R208-M022

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/16/15	4/25/15 14:37	PJG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/16/15	4/25/15 14:37	PJG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/16/15	4/25/15 14:37	PJG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/16/15	4/25/15 14:37	PJG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/16/15	4/25/15 14:37	PJG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/16/15	4/25/15 14:37	PJG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/16/15	4/25/15 14:37	PJG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/16/15	4/25/15 14:37	PJG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/16/15	4/25/15 14:37	PJG
	0.0		mg/Kg	1		SW-846 8082A	4/16/15	4/25/15 14:37	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.7	30-150					4/25/15 14:37	
Decachlorobiphenyl [2]		80.3	30-150					4/25/15 14:37	
Tetrachloro-m-xylene [1]		92.0	30-150					4/25/15 14:37	
Tetrachloro-m-xylene [2]		85.3	30-150					4/25/15 14:37	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R10-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-02

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 11:49	PJG
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 11:49	PJG
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 11:49	PJG
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 11:49	PJG
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 11:49	PJG
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 11:49	PJG
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 11:49	PJG
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 11:49	PJG
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 11:49	PJG
	0.0		mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 11:49	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		57.0	30-150					4/27/15 11:49	
Decachlorobiphenyl [2]		57.1	30-150					4/27/15 11:49	
Tetrachloro-m-xylene [1]		33.4	30-150					4/27/15 11:49	
Tetrachloro-m-xylene [2]		31.9	30-150					4/27/15 11:49	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R10-M002

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-03

Sample Matrix: Product/Solid

Sample Flags: RL-12

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 12:02	PJG
Aroclor-1221 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 12:02	PJG
Aroclor-1232 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 12:02	PJG
Aroclor-1242 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 12:02	PJG
Aroclor-1248 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 12:02	PJG
Aroclor-1254 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 12:02	PJG
Aroclor-1260 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 12:02	PJG
Aroclor-1262 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 12:02	PJG
Aroclor-1268 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 12:02	PJG
	0.0		mg/Kg	10		SW-846 8082A	4/16/15	4/27/15 12:02	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		58.9	30-150					4/27/15 12:02	
Decachlorobiphenyl [2]		58.8	30-150					4/27/15 12:02	
Tetrachloro-m-xylene [1]		35.2	30-150					4/27/15 12:02	
Tetrachloro-m-xylene [2]		33.7	30-150					4/27/15 12:02	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R10-M003

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-04

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:27	PJG
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:27	PJG
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:27	PJG
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:27	PJG
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:27	PJG
Aroclor-1254 [2]	0.49	0.46	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:27	PJG
Aroclor-1260 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:27	PJG
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:27	PJG
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:27	PJG
	0.49		mg/Kg	1		SW-846 8082A	4/16/15	4/24/15 13:27	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.8	30-150					4/24/15 13:27	
Decachlorobiphenyl [2]		77.9	30-150					4/24/15 13:27	
Tetrachloro-m-xylene [1]		61.1	30-150					4/24/15 13:27	
Tetrachloro-m-xylene [2]		56.8	30-150					4/24/15 13:27	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R10-M004

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:56	PJG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:56	PJG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:56	PJG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:56	PJG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:56	PJG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:56	PJG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:56	PJG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:56	PJG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:56	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 4:56	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.8	30-150					4/24/15 4:56	
Decachlorobiphenyl [2]		73.1	30-150					4/24/15 4:56	
Tetrachloro-m-xylene [1]		82.4	30-150					4/24/15 4:56	
Tetrachloro-m-xylene [2]		80.8	30-150					4/24/15 4:56	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-R12-M001

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:30	KAL
Aroclor-1221 [2]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:30	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:30	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:30	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:30	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:30	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:30	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:30	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:30	KAL
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:30	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	93.2	30-150						4/18/15 3:30	
Decachlorobiphenyl [2]	90.6	30-150						4/18/15 3:30	
Tetrachloro-m-xylene [1]	75.5	30-150						4/18/15 3:30	
Tetrachloro-m-xylene [2]	77.4	30-150						4/18/15 3:30	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M00

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:47	KAL
Aroclor-1221 [2]	ND	0.087	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:47	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:47	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:47	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:47	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:47	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:47	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:47	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:47	KAL
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 3:47	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.6	30-150					4/18/15 3:47	
Decachlorobiphenyl [2]		92.3	30-150					4/18/15 3:47	
Tetrachloro-m-xylene [1]		82.2	30-150					4/18/15 3:47	
Tetrachloro-m-xylene [2]		84.6	30-150					4/18/15 3:47	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M00

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 4:05	KAL
Aroclor-1221 [2]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 4:05	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 4:05	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 4:05	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 4:05	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 4:05	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 4:05	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 4:05	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 4:05	KAL
	0.0		mg/Kg	1		SW-846 8082A	4/15/15	4/18/15 4:05	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.7	30-150					4/18/15 4:05	
Decachlorobiphenyl [2]		95.8	30-150					4/18/15 4:05	
Tetrachloro-m-xylene [1]		86.6	30-150					4/18/15 4:05	
Tetrachloro-m-xylene [2]		88.2	30-150					4/18/15 4:05	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M00

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-09

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:09	PJG
Aroclor-1221 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:09	PJG
Aroclor-1232 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:09	PJG
Aroclor-1242 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:09	PJG
Aroclor-1248 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:09	PJG
Aroclor-1254 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:09	PJG
Aroclor-1260 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:09	PJG
Aroclor-1262 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:09	PJG
Aroclor-1268 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:09	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:09	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.4	30-150					4/24/15 5:09	
Decachlorobiphenyl [2]		76.8	30-150					4/24/15 5:09	
Tetrachloro-m-xylene [1]		84.0	30-150					4/24/15 5:09	
Tetrachloro-m-xylene [2]		81.2	30-150					4/24/15 5:09	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M00

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-10

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:22	PJG
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:22	PJG
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:22	PJG
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:22	PJG
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:22	PJG
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:22	PJG
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:22	PJG
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:22	PJG
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:22	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:22	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.3	30-150					4/24/15 5:22	
Decachlorobiphenyl [2]		92.3	30-150					4/24/15 5:22	
Tetrachloro-m-xylene [1]		98.6	30-150					4/24/15 5:22	
Tetrachloro-m-xylene [2]		93.8	30-150					4/24/15 5:22	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M00

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:35	PJG
Aroclor-1221 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:35	PJG
Aroclor-1232 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:35	PJG
Aroclor-1242 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:35	PJG
Aroclor-1248 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:35	PJG
Aroclor-1254 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:35	PJG
Aroclor-1260 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:35	PJG
Aroclor-1262 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:35	PJG
Aroclor-1268 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:35	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 5:35	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.5	30-150					4/24/15 5:35	
Decachlorobiphenyl [2]		86.4	30-150					4/24/15 5:35	
Tetrachloro-m-xylene [1]		90.9	30-150					4/24/15 5:35	
Tetrachloro-m-xylene [2]		88.4	30-150					4/24/15 5:35	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M00

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/17/15	4/23/15 13:31	KAL
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/17/15	4/23/15 13:31	KAL
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/17/15	4/23/15 13:31	KAL
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/17/15	4/23/15 13:31	KAL
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/17/15	4/23/15 13:31	KAL
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/17/15	4/23/15 13:31	KAL
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/17/15	4/23/15 13:31	KAL
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/17/15	4/23/15 13:31	KAL
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/17/15	4/23/15 13:31	KAL
	0.0		mg/Kg	4		SW-846 8082A	4/17/15	4/23/15 13:31	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.1	30-150					4/23/15 13:31	
Decachlorobiphenyl [2]		83.2	30-150					4/23/15 13:31	
Tetrachloro-m-xylene [1]		91.3	30-150					4/23/15 13:31	
Tetrachloro-m-xylene [2]		89.2	30-150					4/23/15 13:31	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M00

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-13

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 6:01	PJG
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 6:01	PJG
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 6:01	PJG
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 6:01	PJG
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 6:01	PJG
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 6:01	PJG
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 6:01	PJG
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 6:01	PJG
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 6:01	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 6:01	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.4	30-150					4/24/15 6:01	
Decachlorobiphenyl [2]		87.5	30-150					4/24/15 6:01	
Tetrachloro-m-xylene [1]		97.8	30-150					4/24/15 6:01	
Tetrachloro-m-xylene [2]		92.9	30-150					4/24/15 6:01	

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Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M00

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-14

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:02	PJG
Aroclor-1221 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:02	PJG
Aroclor-1232 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:02	PJG
Aroclor-1242 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:02	PJG
Aroclor-1248 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:02	PJG
Aroclor-1254 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:02	PJG
Aroclor-1260 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:02	PJG
Aroclor-1262 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:02	PJG
Aroclor-1268 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:02	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:02	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.0	30-150					4/24/15 13:02	
Decachlorobiphenyl [2]		88.7	30-150					4/24/15 13:02	
Tetrachloro-m-xylene [1]		98.4	30-150					4/24/15 13:02	
Tetrachloro-m-xylene [2]		90.6	30-150					4/24/15 13:02	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M00

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-15

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:15	PJG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:15	PJG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:15	PJG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:15	PJG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:15	PJG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:15	PJG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:15	PJG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:15	PJG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:15	PJG
	0.0		mg/Kg	4		SW-846 8082A	4/16/15	4/24/15 13:15	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					4/24/15 13:15	
Decachlorobiphenyl [2]		91.2	30-150					4/24/15 13:15	
Tetrachloro-m-xylene [1]		98.3	30-150					4/24/15 13:15	
Tetrachloro-m-xylene [2]		95.3	30-150					4/24/15 13:15	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M01

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:06	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:06	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:06	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:06	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:06	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:06	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:06	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:06	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:06	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:06	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.0	30-150					4/13/15 13:06	
Decachlorobiphenyl [2]		94.4	30-150					4/13/15 13:06	
Tetrachloro-m-xylene [1]		82.5	30-150					4/13/15 13:06	
Tetrachloro-m-xylene [2]		92.7	30-150					4/13/15 13:06	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: SMO-HI

Sample Description:

Work Order: 15D0283

Date Received: 4/7/2015

Field Sample #: 040315-SMOHI-BA-REXT-M01

Sampled: 4/3/2015 00:00

Sample ID: 15D0283-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:19	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:19	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:19	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:19	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:19	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:19	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:19	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:19	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:19	JMB
	0.0		mg/Kg	1		SW-846 8082A	4/8/15	4/13/15 13:19	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.9	30-150					4/13/15 13:19	
Decachlorobiphenyl [2]		98.7	30-150					4/13/15 13:19	
Tetrachloro-m-xylene [1]		72.9	30-150					4/13/15 13:19	
Tetrachloro-m-xylene [2]		80.5	30-150					4/13/15 13:19	

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0283-05 [040315-SMOHI-BA-R10-M004]	B119502	0.506	10.0	04/16/15
15D0283-09 [040315-SMOHI-BA-REXT-M003]	B119502	0.566	10.0	04/16/15
15D0283-10 [040315-SMOHI-BA-REXT-M004]	B119502	0.541	10.0	04/16/15
15D0283-11 [040315-SMOHI-BA-REXT-M005]	B119502	0.571	10.0	04/16/15
15D0283-13 [040315-SMOHI-BA-REXT-M007]	B119502	0.517	10.0	04/16/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0283-14 [040315-SMOHI-BA-REXT-M008]	B119542	0.536	10.0	04/16/15
15D0283-15 [040315-SMOHI-BA-REXT-M009]	B119542	0.508	10.0	04/16/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0283-12RE1 [040315-SMOHI-BA-REXT-M006]	B119558	0.517	10.0	04/17/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0283-04 [040315-SMOHI-BA-R10-M003]	B119520	0.216	10.0	04/16/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0283-16 [040315-SMOHI-BA-REXT-M010]	B118864	2.11	10.0	04/08/15
15D0283-17 [040315-SMOHI-BA-REXT-M011]	B118864	2.06	10.0	04/08/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0283-06 [040315-SMOHI-BA-R12-M001]	B119430	2.02	10.0	04/15/15
15D0283-07 [040315-SMOHI-BA-REXT-M001]	B119430	2.31	10.0	04/15/15
15D0283-08 [040315-SMOHI-BA-REXT-M002]	B119430	2.03	10.0	04/15/15

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0283-01 [040315-SMOHI-BA-R208-M022]	B119500	2.02	10.0	04/16/15
15D0283-02 [040315-SMOHI-BA-R10-M001]	B119500	2.00	10.0	04/16/15
15D0283-03 [040315-SMOHI-BA-R10-M002]	B119500	2.18	10.0	04/16/15

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B118864 - SW-846 3540C

Blank (B118864-BLK1)

Prepared: 04/08/15 Analyzed: 04/10/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.947		mg/Kg	1.00		94.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.841		mg/Kg	1.00		84.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.872		mg/Kg	1.00		87.2	30-150			

LCS (B118864-BS1)

Prepared: 04/08/15 Analyzed: 04/10/15

Aroclor-1016	0.25	0.10	mg/Kg	0.250		102	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		108	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140			
Surrogate: Decachlorobiphenyl	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.908		mg/Kg	1.00		90.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.966		mg/Kg	1.00		96.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.909		mg/Kg	1.00		90.9	30-150			

LCS Dup (B118864-BSD1)

Prepared: 04/08/15 Analyzed: 04/10/15

Aroclor-1016	0.27	0.10	mg/Kg	0.250		107	40-140	5.49	30	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		114	40-140	6.55	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		113	40-140	4.60	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		117	40-140	5.11	30	
Surrogate: Decachlorobiphenyl	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.936		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.987		mg/Kg	1.00		98.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.933		mg/Kg	1.00		93.3	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119430 - SW-846 3540C										
Blank (B119430-BLK1)										
Prepared: 04/15/15 Analyzed: 04/18/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							V-05
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.795		mg/Kg	1.00		79.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.763		mg/Kg	1.00		76.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.723		mg/Kg	1.00		72.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.751		mg/Kg	1.00		75.1	30-150			
LCS (B119430-BS1)										
Prepared: 04/15/15 Analyzed: 04/18/15										
Aroclor-1016	0.27	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		104	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140			
Surrogate: Decachlorobiphenyl	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.938		mg/Kg	1.00		93.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.963		mg/Kg	1.00		96.3	30-150			
LCS Dup (B119430-BSD1)										
Prepared: 04/15/15 Analyzed: 04/18/15										
Aroclor-1016	0.26	0.10	mg/Kg	0.250		103	40-140	3.15	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		99.6	40-140	3.99	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140	0.381	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140	0.737	30	
Surrogate: Decachlorobiphenyl	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.872		mg/Kg	1.00		87.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.891		mg/Kg	1.00		89.1	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B119500 - SW-846 3540C										
Blank (B119500-BLK1)										
Prepared: 04/16/15 Analyzed: 04/24/15										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.916		mg/Kg	1.00		91.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.805		mg/Kg	1.00		80.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.807		mg/Kg	1.00		80.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.739		mg/Kg	1.00		73.9	30-150			
LCS (B119500-BS1)										
Prepared: 04/16/15 Analyzed: 04/24/15										
Aroclor-1016	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1260	0.29	0.10	mg/Kg	0.250		117	40-140			
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		124	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.936		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.918		mg/Kg	1.00		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.826		mg/Kg	1.00		82.6	30-150			
LCS Dup (B119500-BSD1)										
Prepared: 04/16/15 Analyzed: 04/24/15										
Aroclor-1016	0.26	0.10	mg/Kg	0.250		106	40-140	0.805	30	
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140	4.12	30	
Aroclor-1260	0.29	0.10	mg/Kg	0.250		117	40-140	0.0292	30	
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		124	40-140	0.116	30	
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.930		mg/Kg	1.00		93.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.900		mg/Kg	1.00		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.815		mg/Kg	1.00		81.5	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119502 - SW-846 3540C

Blank (B119502-BLK1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	3.55		mg/Kg	4.00		88.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.20		mg/Kg	4.00		80.0	30-150			
Surrogate: Tetrachloro-m-xylene	3.46		mg/Kg	4.00		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.18		mg/Kg	4.00		79.6	30-150			

LCS (B119502-BS1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	3.2	0.20	mg/Kg	4.00		79.4	40-140			
Aroclor-1016 [2C]	3.2	0.20	mg/Kg	4.00		79.6	40-140			
Aroclor-1260	3.2	0.20	mg/Kg	4.00		80.8	40-140			
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		83.8	40-140			
Surrogate: Decachlorobiphenyl	3.29		mg/Kg	4.00		82.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.96		mg/Kg	4.00		74.1	30-150			
Surrogate: Tetrachloro-m-xylene	3.16		mg/Kg	4.00		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.88		mg/Kg	4.00		72.0	30-150			

LCS Dup (B119502-BSD1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	3.5	0.20	mg/Kg	4.00		86.9	40-140	9.06	30	
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		87.0	40-140	8.89	30	
Aroclor-1260	3.6	0.20	mg/Kg	4.00		89.7	40-140	10.4	30	
Aroclor-1260 [2C]	3.7	0.20	mg/Kg	4.00		91.8	40-140	9.12	30	
Surrogate: Decachlorobiphenyl	3.61		mg/Kg	4.00		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.24		mg/Kg	4.00		81.1	30-150			
Surrogate: Tetrachloro-m-xylene	3.48		mg/Kg	4.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.14		mg/Kg	4.00		78.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119502 - SW-846 3540C

Matrix Spike (B119502-MS1)

Source: 15D0283-13

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	2.7	0.19	mg/Kg	3.86	ND	69.6	40-140			
Aroclor-1016 [2C]	2.6	0.19	mg/Kg	3.86	ND	68.4	40-140			
Aroclor-1260	3.0	0.19	mg/Kg	3.86	ND	76.7	40-140			
Aroclor-1260 [2C]	3.4	0.19	mg/Kg	3.86	ND	88.1	40-140			
Surrogate: Decachlorobiphenyl	2.83		mg/Kg	3.86		73.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.41		mg/Kg	3.86		62.5	30-150			
Surrogate: Tetrachloro-m-xylene	2.88		mg/Kg	3.86		74.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.50		mg/Kg	3.86		64.7	30-150			

Matrix Spike Dup (B119502-MSD1)

Source: 15D0283-13

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	2.4	0.19	mg/Kg	3.85	ND	62.1	40-140	11.8	50	
Aroclor-1016 [2C]	2.3	0.19	mg/Kg	3.85	ND	60.6	40-140	12.4	50	
Aroclor-1260	2.7	0.19	mg/Kg	3.85	ND	70.5	40-140	8.82	50	
Aroclor-1260 [2C]	3.1	0.19	mg/Kg	3.85	ND	80.9	40-140	8.87	50	
Surrogate: Decachlorobiphenyl	2.54		mg/Kg	3.85		66.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.16		mg/Kg	3.85		56.1	30-150			
Surrogate: Tetrachloro-m-xylene	2.60		mg/Kg	3.85		67.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.18		mg/Kg	3.85		56.7	30-150			

Batch B119520 - SW-846 3540C

Blank (B119520-BLK1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	8.99		mg/Kg	10.0		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	7.96		mg/Kg	10.0		79.6	30-150			
Surrogate: Tetrachloro-m-xylene	8.80		mg/Kg	10.0		88.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.01		mg/Kg	10.0		80.1	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119520 - SW-846 3540C

LCS (B119520-BS1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	2.6	0.50	mg/Kg	2.50		102	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		103	40-140			
Aroclor-1260	2.5	0.50	mg/Kg	2.50		101	40-140			
Aroclor-1260 [2C]	2.7	0.50	mg/Kg	2.50		108	40-140			
Surrogate: Decachlorobiphenyl	9.73		mg/Kg	10.0		97.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.61		mg/Kg	10.0		86.1	30-150			
Surrogate: Tetrachloro-m-xylene	8.85		mg/Kg	10.0		88.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.07		mg/Kg	10.0		80.7	30-150			

LCS Dup (B119520-BSD1)

Prepared: 04/16/15 Analyzed: 04/24/15

Aroclor-1016	2.9	0.50	mg/Kg	2.50		114	40-140	11.2	30	
Aroclor-1016 [2C]	2.7	0.50	mg/Kg	2.50		109	40-140	5.08	30	
Aroclor-1260	2.8	0.50	mg/Kg	2.50		110	40-140	8.21	30	
Aroclor-1260 [2C]	2.9	0.50	mg/Kg	2.50		117	40-140	8.46	30	
Surrogate: Decachlorobiphenyl	10.6		mg/Kg	10.0		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.48		mg/Kg	10.0		94.8	30-150			
Surrogate: Tetrachloro-m-xylene	9.64		mg/Kg	10.0		96.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.72		mg/Kg	10.0		87.2	30-150			

Batch B119542 - SW-846 3540C

Blank (B119542-BLK1)

Prepared: 04/16/15 Analyzed: 04/23/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	2.83		mg/Kg	4.00		70.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.85		mg/Kg	4.00		71.2	30-150			
Surrogate: Tetrachloro-m-xylene	3.40		mg/Kg	4.00		85.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.24		mg/Kg	4.00		81.1	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119542 - SW-846 3540C

LCS (B119542-BS1)

Prepared: 04/16/15 Analyzed: 04/23/15

Aroclor-1016	3.5	0.20	mg/Kg	4.00		88.2	40-140			
Aroclor-1016 [2C]	3.3	0.20	mg/Kg	4.00		83.6	40-140			
Aroclor-1260	3.6	0.20	mg/Kg	4.00		90.6	40-140			
Aroclor-1260 [2C]	3.3	0.20	mg/Kg	4.00		81.8	40-140			
Surrogate: Decachlorobiphenyl	3.70		mg/Kg	4.00		92.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.70		mg/Kg	4.00		92.4	30-150			
Surrogate: Tetrachloro-m-xylene	3.66		mg/Kg	4.00		91.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.46		mg/Kg	4.00		86.5	30-150			

LCS Dup (B119542-BSD1)

Prepared: 04/16/15 Analyzed: 04/23/15

Aroclor-1016	3.6	0.20	mg/Kg	4.00		88.9	40-140	0.853	30	
Aroclor-1016 [2C]	3.3	0.20	mg/Kg	4.00		82.7	40-140	1.15	30	
Aroclor-1260	3.6	0.20	mg/Kg	4.00		90.1	40-140	0.474	30	
Aroclor-1260 [2C]	3.3	0.20	mg/Kg	4.00		81.8	40-140	0.0678	30	
Surrogate: Decachlorobiphenyl	3.61		mg/Kg	4.00		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.60		mg/Kg	4.00		89.9	30-150			
Surrogate: Tetrachloro-m-xylene	3.55		mg/Kg	4.00		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.36		mg/Kg	4.00		84.0	30-150			

Batch B119558 - SW-846 3540C

Blank (B119558-BLK1)

Prepared: 04/17/15 Analyzed: 04/23/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	4.09		mg/Kg	4.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	4.09		mg/Kg	4.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	4.22		mg/Kg	4.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.99		mg/Kg	4.00		99.9	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B119558 - SW-846 3540C

LCS (B119558-BS1)

Prepared: 04/17/15 Analyzed: 04/23/15

Aroclor-1016	3.5	0.20	mg/Kg	4.00		87.3	40-140			
Aroclor-1016 [2C]	3.3	0.20	mg/Kg	4.00		82.3	40-140			
Aroclor-1260	3.4	0.20	mg/Kg	4.00		85.9	40-140			
Aroclor-1260 [2C]	3.1	0.20	mg/Kg	4.00		78.5	40-140			
Surrogate: Decachlorobiphenyl	3.61		mg/Kg	4.00		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.62		mg/Kg	4.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene	3.77		mg/Kg	4.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.56		mg/Kg	4.00		88.9	30-150			

LCS Dup (B119558-BSD1)

Prepared: 04/17/15 Analyzed: 04/23/15

Aroclor-1016	3.6	0.20	mg/Kg	4.00		88.9	40-140	1.81	30	
Aroclor-1016 [2C]	3.4	0.20	mg/Kg	4.00		84.3	40-140	2.39	30	
Aroclor-1260	3.8	0.20	mg/Kg	4.00		94.3	40-140	9.33	30	
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		84.1	40-140	6.85	30	
Surrogate: Decachlorobiphenyl	3.77		mg/Kg	4.00		94.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.74		mg/Kg	4.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene	3.62		mg/Kg	4.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.42		mg/Kg	4.00		85.5	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B118864-BS1 Date(s) Analyzed: 04/10/2015 04/10/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.27	6
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.28	4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B118864-BSD1 Date(s) Analyzed: 04/10/2015 04/10/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.29	8
Aroclor-1260	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.29	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119430-BSD1 Date(s) Analyzed: 04/18/2015 04/18/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.25	3
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.28	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119500-BSD1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	6
Aroclor-1260	1	0.00	0.00	0.00	0.29	
	2	0.00	0.00	0.00	0.31	6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119502-BS1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.2	
	2	0.00	0.00	0.00	3.2	1
Aroclor-1260	1	0.00	0.00	0.00	3.2	
	2	0.00	0.00	0.00	3.4	5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B119502-BSD1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.5	
	2	0.00	0.00	0.00	3.5	1
Aroclor-1260	1	0.00	0.00	0.00	3.6	
	2	0.00	0.00	0.00	3.7	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B119520-BS1 Date(s) Analyzed: 04/24/2015 04/24/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	2.6	
	2	0.00	0.00	0.00	2.6	2
Aroclor-1260	1	0.00	0.00	0.00	2.5	
	2	0.00	0.00	0.00	2.7	6

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B119558-BS1 Date(s) Analyzed: 04/23/2015 04/23/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.5	
	2	0.00	0.00	0.00	3.3	6
Aroclor-1260	1	0.00	0.00	0.00	3.4	
	2	0.00	0.00	0.00	3.1	10

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- RL-12 Elevated reporting limit due to matrix interference.
 - V-05 Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

18100 Von Karman Ave., Suite 600
Irvine, CA 92612
(949) 261-5151
(949) 261-6202 (fax)

707 Wilshire Blvd., Suite 4950
Los Angeles, Calif. 90017
(213) 943-6300
(213) 943-6301 (fax)

1702 E Highland Avenue, Suite 412
Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

15D0283

PROJECT NAME / FACILITY ID: SMO-HI

PROJECT NUMBER: 04-33980R DATE: 4/1/15

PROJECT LOCATION: SMO

IS THIS A UST PROJECT OR IS EDF REQUIRED? N IF YES, GLOBAL ID #: pdf and Excel

MSA#: _____ WO#: _____

FIELD PERSON: Dale Cross / Garrison Turner

PROJECT MANAGER: Jason Wilkison

LABORATORY: Comtest

SAMPLER: <u>DC, CT</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED / UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS
	2015										
SIGNATURE: <u>Garrison Turner</u>											
<u>040315-SMOHI-BA-R208-M002</u>		<u>0403</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>1</u>	<u>NA (02)</u>	<u>X</u>	<u>X</u>	
<u>040315-SMOHI-BA-R10-M001</u>											
<u>-M002</u>											
<u>-M003</u>											
<u>-M004</u>											
<u>040315-SMOHI-BA-R12-M001</u>											
<u>040315-SMOHI-BA-R12-M001</u>											
TOTAL		X	X	X							

RELINQUISHED BY: _____	TIME/DATE: <u>4/6</u>	RECEIVED BY: _____	TIME/DATE: <u>9/17</u>	TURNAROUND TIME (CIRCLE ONE) SAME DAY 24 HOURS 48 HOURS <u>72 HOURS</u>	IF SEALED, SEAL INTEGRITY INTACT: Y N
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: <u>4.7.15</u>		
RELINQUISHED BY: _____	TIME/DATE: _____	RECEIVED BY: _____	TIME/DATE: _____	IF SEALED, SEAL INTEGRITY INTACT: Y N	

Page 50 of 54

H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER

Table of Contents



FedEx® Tracking

773232854534

Ship (P/U) date:
Mon 4/06/2015 5:04 pm

Actual delivery:
Tues 4/07/2015 9:19 am

Irvine, CA US



Delivered

Signed for by: P.BLAKE

EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
4/07/2015 - Tuesday		
9:19 am	Delivered	EAST LONGMEADOW, MA
7:47 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:41 am	At local FedEx facility	WINDSOR LOCKS, CT
6:25 am	At destination sort facility	EAST GRANBY, CT
4:52 am	Departed FedEx location	INDIANAPOLIS, IN
2:22 am	Arrived at FedEx location	INDIANAPOLIS, IN
4/06/2015 - Monday		
6:40 pm	Left FedEx origin facility	MARINA DEL REY, CA
5:04 pm	Picked up	SANTA MONICA, CA
	Tendered at FedEx Office	
3/27/2015 - Friday		
12:07 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	773232854534	Service	FedEx Priority Overnight
Weight	10 lbs / 4.54 kgs	Dimensions	24x14x14 in.
Delivered To	Shipping/Receiving	Total pieces	1
Total shipment weight	10 lbs / 4.54 kgs	Shipper reference	0433980R
Packaging	Your Packaging	Special handling section	Deliver Weekday, Additional Handling Surcharge



Customer Focus
 New Customer Center
 Small Business Center
 Service Guide
 Customer Support

Company Information
 About FedEx
 Careers
 Investor Relations

Featured Services
 FedEx One Rate
 FedEx SameDay
 FedEx Home Delivery
 Healthcare Solutions
 Online Retail Solutions
 Packaging Services
 Ancillary Clearance Services

Other Resources
 FedEx Compatible
 Developer Resource Center
 FedEx Ship Manager Software
 FedEx Mobile

Companies
 FedEx Express
 FedEx Ground
 FedEx Office
 FedEx Freight
 FedEx Custom Critical
 FedEx Trade Networks
 FedEx SupplyChain
 FedEx TechConnect

Follow FedEx

United States - English

Login Sample Receipt Checklist
(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

<u>Question</u>	<u>Answer (True/False)</u>		<u>Comment</u>
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	NA		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	NA		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	NA		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA		
21) Samples do not require splitting or compositing.	T		

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials: PB

Date/Time:

Date/Time: 4.7.15

9:19

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Environ RECEIVED BY: PB DATE: 4-7-15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain: _____
- 3) Are all the samples in good condition? Yes No
 If not, explain: _____

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A
 Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.8

- 5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: log in
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

- 8) Do all samples have the proper Acid pH: Yes No N/A
- 9) Do all samples have the proper Base pH: Yes No N/A
- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

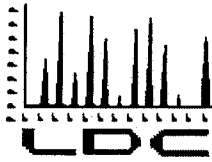
Containers received at Con-Test

# of containers		# of containers	
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber /clear jar	<u>18</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____
 Time and Date Frozen: _____

APPENDIX C
THIRD PARTY DATA VALIDATION REPORT



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Ramboll Environ
Carlisle Road, Suite 210
Westford, MA 01886
Attn: Mr. Jason Wilkinson

June 9, 2015

SUBJECT: Revised Santa Monica HS, Data Validation

Dear Mr. Wilkinson,

Enclosed are the revised validation reports for the fraction listed below. Please replace the previously submitted reports with the enclosed revised reports.

LDC Project #34182:

SDG #

Fraction

15D0157, 15D0211, 15D0214 Polychlorinated Biphenyls

- Modified level of validation from Level II to Level III per client request.

Please feel free to contact us if you have any questions.

Sincerely,

Andrew Kong
Project Manager/Senior Chemist

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS
LDC Report Date: June 9, 2015
Parameters: Polychlorinated Biphenyls
Validation Level: Level III
Laboratory: Con-Test Analytical Laboratory
Sample Delivery Group (SDG): 15D0157

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040115-SMOHI-BA-RROOF-M001	15D0157-01	Product	04/01/15
040115-SMOHI-BA-RROOF-M002	15D0157-02	Product	04/01/15
040115-SMOHI-BA-RROOF-M003	15D0157-03	Product	04/01/15
040115-SMOHI-BA-RROOF-M004	15D0157-04	Product	04/01/15
040115-SMOHI-BA-RROOF-M005	15D0157-05	Product	04/01/15
040115-SMOHI-BA-RROOF-M006	15D0157-06	Product	04/01/15
040115-SMOHI-BA-RROOF-M007	15D0157-07	Product	04/01/15
040115-SMOHI-BA-RROOF-M008	15D0157-08	Product	04/01/15
040115-SMOHI-BA-RROOF-M009	15D0157-09	Product	04/01/15
040115-SMOHI-BA-RROOF-M010	15D0157-10	Product	04/01/15
040115-SMOHI-BA-RROOF-M011	15D0157-11	Product	04/01/15
040115-SMOHI-BA-RROOF-M012	15D0157-12	Product	04/01/15
040115-SMOHI-BA-R113-M001	15D0157-13	Product	04/01/15
040115-SMOHI-BA-R113-M002	15D0157-14	Product	04/01/15
040115-SMOHI-BA-R113-M003	15D0157-15	Product	04/01/15
040115-SMOHI-BA-R113-M004	15D0157-16	Product	04/01/15
040115-SMOHI-BA-R113-M005	15D0157-17	Product	04/01/15
040115-SMOHI-BA-R113-M006	15D0157-18	Product	04/01/15
040115-SMOHI-BA-R113-M007	15D0157-19	Product	04/01/15
040115-SMOHI-BA-R113-M008	15D0157-20	Product	04/01/15
040115-SMOHI-BA-RROOF-M001MS	15D0157-01MS	Product	04/01/15
040115-SMOHI-BA-RROOF-M001MSD	15D0157-01MSD	Product	04/01/15
040115-SMOHI-BA-R113-M001MS	15D0157-13MS	Product	04/01/15
040115-SMOHI-BA-R113-M001MSD	15D0157-13MSD	Product	04/01/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all compounds.

III. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040115-SMOHI-BA-RROOF-M001 and 040115-SMOHI-BA-RROOF-M002, samples 040115-SMOHI-BA-RROOF-M005 and 040115-SMOHI-BA-RROOF-M006, samples 040115-SMOHI-BA-RROOF-M009 and 040115-SMOHI-BA-RROOF-M010, samples 040115-SMOHI-BA-R113-M001 and 040115-SMOHI-BA-R113-M002, and samples 040115-SMOHI-BA-R113-M003 and 040115-SMOHI-BA-R113-M004 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	040115-SMOHI-BA-RROOF-M005	040115-SMOHI-BA-RROOF-M006	
Aroclor-1254	0.093U	1.6	200
Total PCBs	0.0	16	200

Compound	Concentration (mg/Kg)		RPD
	040115-SMOHI-BA-R113-M003	040115-SMOHI-BA-R113-M004	
Aroclor-1254	0.44U	0.14	200
Total PCBs	0.0	0.14	200

X. Compound Quantitation

The sample results for detected compounds from the two columns were within 40% relative percent difference (RPD) with the following exceptions:

Sample	Compound	RPD	Flag	A or P
040115-SMOHI-BA-RROOF-M006	Aroclor-1254	46.2	J (all detects)	A

Raw data were not reviewed for Level III validation.

XI. Target Compound Identification

Raw data were not reviewed for Level III validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to RPD between two columns, data were qualified as estimated in one sample.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0157**

Sample	Compound	Flag	A or P	Reason
040115-SMOHI-BA-RROOF-M006	Aroclor-1254	J (all detects)	A	Compound quantitation (RPD between two columns)

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG 15D0157**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG 15D0157**

No Sample Data Qualified in this SDG

LDC #: 34182A3b

VALIDATION COMPLETENESS WORKSHEET

Date: 6-9-15

SDG #: 15D0157

Level III

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *Th*2nd Reviewer: *A***METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	A / A	≤ 20 / ≤ 20
IV.	Continuing calibration	A	≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	SW	D = 1+2, 5+6, 9+10, 13+14, 15+16
XI.	Compound quantitation/RL/LOQ/LODs	SW	
XII.	Target compound identification	N	
XIII.	Overall assessment of data		

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB = Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040115-SMOHI-BA-RROOF-M001	15D0157-01	Product	04/01/15
2	040115-SMOHI-BA-RROOF-M002	15D0157-02	Product	04/01/15
3	040115-SMOHI-BA-RROOF-M003	15D0157-03	Product	04/01/15
4	040115-SMOHI-BA-RROOF-M004	15D0157-04	Product	04/01/15
5	040115-SMOHI-BA-RROOF-M005	15D0157-05	Product	04/01/15
6	040115-SMOHI-BA-RROOF-M006	15D0157-06	Product	04/01/15
7	040115-SMOHI-BA-RROOF-M007	15D0157-07	Product	04/01/15
8	040115-SMOHI-BA-RROOF-M008	15D0157-08	Product	04/01/15
9	040115-SMOHI-BA-RROOF-M009	15D0157-09	Product	04/01/15
10	040115-SMOHI-BA-RROOF-M010	15D0157-10	Product	04/01/15
11	040115-SMOHI-BA-RROOF-M011	15D0157-11	Product	04/01/15
12	040115-SMOHI-BA-RROOF-M012	15D0157-12	Product	04/01/15
13	040115-SMOHI-BA-R113-M001	15D0157-13	Product	04/01/15
14	040115-SMOHI-BA-R113-M002	15D0157-14	Product	04/01/15
15	040115-SMOHI-BA-R113-M003	15D0157-15	Product	04/01/15
16	040115-SMOHI-BA-R113-M004	15D0157-16	Product	04/01/15

LDC #: 34182A3b

VALIDATION COMPLETENESS WORKSHEET

Date: 6-9-15

SDG #: 15D0157

Level III

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *[Signature]*

2nd Reviewer: *[Signature]*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040115-SMOHI-BA-R113-M005	15D0157-17	Product	04/01/15
18	040115-SMOHI-BA-R113-M006	15D0157-18	Product	04/01/15
19	040115-SMOHI-BA-R113-M007	15D0157-19	Product	04/01/15
20	040115-SMOHI-BA-R113-M008	15D0157-20	Product	04/01/15
21	040115-SMOHI-BA-RROOF-M001MS	15D0157-01MS	Product	04/01/15
22	040115-SMOHI-BA-RROOF-M001MSD	15D0157-01MSD	Product	04/01/15
23	040115-SMOHI-BA-R113-M001MS	15D0157-13MS	Product	04/01/15
24	040115-SMOHI-BA-R113-M001MSD	15D0157-13MSD	Product	04/01/15
25				
26				
27				
28				
29				

Notes:

B118593-BLK1				
B118599-BLK1				
B118600-BLK1				

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. oxy-Chlordane
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Mirex
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: GC

- N/A Were field duplicate pairs identified in this SDG?
- N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/kg)		RPD
	5	6	
AA	0.093u	1.6	200
Total PCBs	0.0	1.6	200

Compound	Concentration (mg/kg)		RPD
	15	16	
AA	0.44u	0.14	200
Total PCBs	0.0	0.14	200

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

LDC #: 34182A3b

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Page: 1 of 1
Reviewer: gm
2nd Reviewer: [Signature]

METHOD: GC HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level IV/D Only

- Y N N/A Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?
Y N N/A Did the reported results for detected target compounds agree within 10.0% of the recalculated results?
Y N N/A Did the percent difference of detected compounds between two columns./detectors $\leq 40\%$?
If no, please see findings below.

#	Compound Name	Sample ID	%RPD Between Two Columns/Detectors Limit ($\leq 40\%$)	Qualifications
	AA	6	46.2	Jdets/A

Comments: See sample calculation verification worksheet for recalculations.

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: June 9, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level III

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0211

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040315-SMOHI-BA-R208B-M004	15D0211-01	Product	04/03/15
040315-SMOHI-BA-R208B-M005	15D0211-02	Product	04/03/15
040315-SMOHI-BA-R208B-M006	15D0211-03	Product	04/03/15
040315-SMOHI-BA-R208B-M007	15D0211-04	Product	04/03/15
040315-SMOHI-BA-R208B-M008	15D0211-05	Product	04/03/15
040315-SMOHI-BA-R208B-M009	15D0211-06	Product	04/03/15
040215-SMOHI-BA-R108-M001	15D0211-07	Product	04/02/15
040215-SMOHI-BA-R108-M002	15D0211-08	Product	04/02/15
040215-SMOHI-BA-R108-M003	15D0211-09	Product	04/02/15
040215-SMOHI-BA-R108-M004	15D0211-10	Product	04/02/15
040215-SMOHI-BA-R108-M005	15D0211-11	Product	04/02/15
040215-SMOHI-BA-R108-M006	15D0211-12	Product	04/02/15
040215-SMOHI-BA-R108-M007	15D0211-13	Product	04/02/15
040215-SMOHI-BA-R108-M008	15D0211-14	Product	04/02/15
040215-SMOHI-BA-R108-M009	15D0211-15	Product	04/02/15
040215-SMOHI-BA-R108-M001MS	15D0211-07MS	Product	04/02/15
040215-SMOHI-BA-R108-M001MSD	15D0211-07MSD	Product	04/02/15
040215-SMOHI-BA-R108-M002MS	15D0211-08MS	Product	04/02/15
040215-SMOHI-BA-R108-M002MSD	15D0211-08MSD	Product	04/02/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all compounds.

III. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040315-SMOHI-BA-R208B-M006 and 040315-SMOHI-BA-R208B-M008 and samples 040315-SMOHI-BA-R208B-M007 and 040315-SMOHI-BA-R208B-M009 were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Level III validation.

XI. Target Compound Identification

Raw data were not reviewed for Level III validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0211**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0211**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0211**

No Sample Data Qualified in this SDG

LDC #: 34182H3b

VALIDATION COMPLETENESS WORKSHEET

Date: 6-9-15

SDG #: 15D0211

Level III

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: 2nd Reviewer: **METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	A / A	≤ 20 / ≤ 20
IV.	Continuing calibration	A	≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	ND	D=3+5, 4+6
XI.	Compound quantitation/RL/LOQ/LODs	A	
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040315-SMOHI-BA-R208B-M004	15D0211-01	Product	04/03/15
2	040315-SMOHI-BA-R208B-M005	15D0211-02	Product	04/03/15
3	040315-SMOHI-BA-R208B-M006	15D0211-03	Product	04/03/15
4	040315-SMOHI-BA-R208B-M007	15D0211-04	Product	04/03/15
5	040315-SMOHI-BA-R208B-M008	15D0211-05	Product	04/03/15
6	040315-SMOHI-BA-R208B-M009	15D0211-06	Product	04/03/15
7	040215-SMOHI-BA-R108-M001	15D0211-07	Product	04/02/15
8	040215-SMOHI-BA-R108-M002	15D0211-08	Product	04/02/15
9	040215-SMOHI-BA-R108-M003	15D0211-09	Product	04/02/15
10	040215-SMOHI-BA-R108-M004	15D0211-10	Product	04/02/15
11	040215-SMOHI-BA-R108-M005	15D0211-11	Product	04/02/15
12	040215-SMOHI-BA-R108-M006	15D0211-12	Product	04/02/15
13	040215-SMOHI-BA-R108-M007	15D0211-13	Product	04/02/15
14	040215-SMOHI-BA-R108-M008	15D0211-14	Product	04/02/15
15	040215-SMOHI-BA-R108-M009	15D0211-15	Product	04/02/15
16	040215-SMOHI-BA-R108-M001MS	15D0211-07MS	Product	04/02/15

LDC #: 34182H3b

VALIDATION COMPLETENESS WORKSHEET

Date: 6-9-15

SDG #: 15D0211

Level III

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040215-SMOHI-BA-R108-M001MSD	15D0211-07MSD	Product	04/02/15
18	040215-SMOHI-BA-R108-M002MS	15D0211-08MS	Product	04/02/15
19	040215-SMOHI-BA-R108-M002MSD	15D0211-08MSD	Product	04/02/15
20				
21				
22				
23				

Notes:

B118976-BLK1	B119350-BLK1			
B119069-BLK1	B119430-BLK1			
B119162-BLK1				
B119196-BLK1				

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Santa Monica HS
LDC Report Date: June 9, 2015
Parameters: Polychlorinated Biphenyls
Validation Level: Level III
Laboratory: Con-Test Analytical Laboratory
Sample Delivery Group (SDG): 15D0214

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040215-SMOHI-BA-R206C-M004	15D0214-01	Product	04/02/15
040215-SMOHI-BA-R206C-M005	15D0214-02	Product	04/02/15
040215-SMOHI-BA-R206C-M006	15D0214-03	Product	04/02/15
040215-SMOHI-BA-R206C-M007	15D0214-04	Product	04/02/15
040215-SMOHI-BA-R206C-M008	15D0214-05	Product	04/02/15
040215-SMOHI-BA-R206C-M009	15D0214-06	Product	04/02/15
040215-SMOHI-BA-R206C-M010	15D0214-07	Product	04/02/15
040215-SMOHI-BA-R206C-M011	15D0214-08	Product	04/02/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all compounds.

III. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040215-SMOHI-BA-R206C-M004 and 040215-SMOHI-BA-R206C-M003 (from SDG 15D0213), samples 040215-SMOHI-BA-R206C-M005 and 040215-SMOHI-BA-R206C-M006, samples 040215-SMOHI-BA-R206C-M007 and 040215-SMOHI-BA-R206C-M008, and samples 040215-SMOHI-BA-R206C-M011 and 040215-SMOHI-BA-R206C-M012 (from SDG 15D0213) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	040215-SMOHI-BA-R206C-M004	040215-SMOHI-BA-R206C-M003	
Aroclor-1242	2.3	0.10U	200
Total PCBs	2.3	0.0	200

Compound	Concentration (mg/Kg)		RPD
	040215-SMOHI-BA-R206C-M011	040215-SMOHI-BA-R206C-M012	
Aroclor-1248	0.85	0.81	5
Aroclor-1254	1.1	1.1	0
Aroclor-1260	1.1	1.1	0
Total PCBs	3.1	3.0	3

X. Compound Quantitation

Raw data were not reviewed for Level III validation.

XI. Target Compound Identification

Raw data were not reviewed for Level III validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0214**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0214**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0214**

No Sample Data Qualified in this SDG

LDC #: 34182K3b

VALIDATION COMPLETENESS WORKSHEET

Date: 6-9-15

SDG #: 15D0214

Level III

Page: 1 of 1

Laboratory: Con-test Analytical Laboratory

Reviewer: *[Signature]*

2nd Reviewer: *[Signature]*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	A/A	≤ 20 / ≤ 20
IV.	Continuing calibration	A	≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	C.S.
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	SW	3 = 1 + 040215-SMOHI-BA-R206C-M003(15D0213), 2+3, 4+5,
XI.	Compound quantitation/RL/LOQ/LODs	A	8 + 040215-SMOHI-BA-R206C-M012(15D02)
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040215-SMOHI-BA-R206C-M004	15D0214-01	Product	04/02/15
2	040215-SMOHI-BA-R206C-M005	15D0214-02	Product	04/02/15
3	040215-SMOHI-BA-R206C-M006	15D0214-03	Product	04/02/15
4	040215-SMOHI-BA-R206C-M007	15D0214-04	Product	04/02/15
5	040215-SMOHI-BA-R206C-M008	15D0214-05	Product	04/02/15
6	040215-SMOHI-BA-R206C-M009	15D0214-06	Product	04/02/15
7	040215-SMOHI-BA-R206C-M010	15D0214-07	Product	04/02/15
8	040215-SMOHI-BA-R206C-M011	15D0214-08	Product	04/02/15
9				
10				
11				
12				

Notes:

B118719-BLK1				
B119318-BLK1				

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. oxy-Chlordane
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Mirex
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: GC

N N/A Were field duplicate pairs identified in this SDG?
 N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/kg)		RPD
	1	040215-SMOHI-BA P206-M003	
✓ Total PCBs	2.3	0.10u	200
	2.3	0.0	200

Compound	Concentration (mg/kg)		RPD
	4	5	
Z	0.85	0.81	5
AA	1.1	1.1	∅
BB	1.1	1.1	∅
Total PCBs	3.1	3.0	3

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: June 9, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level III

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0283

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040315-SMOHI-BA-R208-M022	15D0283-01	Product	04/03/15
040315-SMOHI-BA-R10-M001	15D0283-02	Product	04/03/15
040315-SMOHI-BA-R10-M002	15D0283-03	Product	04/03/15
040315-SMOHI-BA-R10-M003	15D0283-04	Paint	04/03/15
040315-SMOHI-BA-R10-M004	15D0283-05	Caulk	04/03/15
040315-SMOHI-BA-R12-M001	15D0283-06	Product	04/03/15
040315-SMOHI-BA-REXT-M001	15D0283-07	Product	04/03/15
040315-SMOHI-BA-REXT-M002	15D0283-08	Product	04/03/15
040315-SMOHI-BA-REXT-M003	15D0283-09	Caulk	04/03/15
040315-SMOHI-BA-REXT-M004	15D0283-10	Caulk	04/03/15
040315-SMOHI-BA-REXT-M005	15D0283-11	Caulk	04/03/15
040315-SMOHI-BA-REXT-M006	15D0283-12	Caulk	04/03/15
040315-SMOHI-BA-REXT-M007	15D0283-13	Caulk	04/03/15
040315-SMOHI-BA-REXT-M008	15D0283-14	Caulk	04/03/15
040315-SMOHI-BA-REXT-M009	15D0283-15	Caulk	04/03/15
040315-SMOHI-BA-REXT-M010	15D0283-16	Product	04/03/15
040315-SMOHI-BA-REXT-M011	15D0283-17	Product	04/03/15
040315-SMOHI-BA-REXT-M007MS	15D0283-13MS	Caulk	04/03/15
040315-SMOHI-BA-REXT-M007MSD	15D0283-13MSD	Caulk	04/03/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all compounds.

III. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040315-SMOHI-BA-R208-M022 and 040315-SMOHI-BA-R208-M021 (from SDG 15D0278), samples 040315-SMOHI-BA-R10-M001 and 040315-SMOHI-BA-R10-M002, samples 040315-SMOHI-BA-REXT-M001 and 040315-SMOHI-BA-REXT-M002, samples 040315-SMOHI-BA-REXT-M003 and 040315-SMOHI-BA-REXT-M004, samples 040315-SMOHI-BA-REXT-M005 and 040315-SMOHI-BA-REXT-M006, and samples 040315-SMOHI-BA-REXT-M007 and 040315-SMOHI-BA-REXT-M008 were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Level III validation.

XI. Target Compound Identification

Raw data were not reviewed for Level III validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0283**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0283**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0283**

No Sample Data Qualified in this SDG

LDC #: 34182P3b
 SDG #: 15D0283
 Laboratory: Con-test Analytical Laboratory

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 6-9-15
 Page: 1 of 2
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	A/A	≤ 20 / ≤ 20
IV.	Continuing calibration	A	≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	ND	D= 1+040315-SMOHI-BA-R208-M001 (15D0278),
XI.	Compound quantitation/RL/LOQ/LODs	A	2+3, 7+8, 9+10, 11+12, 13+14
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
 N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
 SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	040315-SMOHI-BA-R208-M022	15D0283-01	Product	04/03/15
2	040315-SMOHI-BA-R10-M001	15D0283-02	Product	04/03/15
3	040315-SMOHI-BA-R10-M002	15D0283-03	Product	04/03/15
4	040315-SMOHI-BA-R10-M003	15D0283-04	Paint	04/03/15
5	040315-SMOHI-BA-R10-M004	15D0283-05	Caulk	04/03/15
6	040315-SMOHI-BA-R12-M001	15D0283-06	Product	04/03/15
7	040315-SMOHI-BA-REXT-M001	15D0283-07	Product	04/03/15
8	040315-SMOHI-BA-REXT-M002	15D0283-08	Product	04/03/15
9	040315-SMOHI-BA-REXT-M003	15D0283-09	Caulk	04/03/15
10	040315-SMOHI-BA-REXT-M004	15D0283-10	Caulk	04/03/15
11	040315-SMOHI-BA-REXT-M005	15D0283-11	Caulk	04/03/15
12	040315-SMOHI-BA-REXT-M006	15D0283-12	Caulk	04/03/15
13	040315-SMOHI-BA-REXT-M007	15D0283-13	Caulk	04/03/15
14	040315-SMOHI-BA-REXT-M008	15D0283-14	Caulk	04/03/15
15	040315-SMOHI-BA-REXT-M009	15D0283-15	Caulk	04/03/15
16	040315-SMOHI-BA-REXT-M010	15D0283-16	Product	04/03/15

LDC #: 34182P3b

VALIDATION COMPLETENESS WORKSHEET

Date: 6-9-15

SDG #: 15D0283

Level III

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *SM*

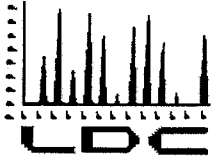
2nd Reviewer: *[Signature]*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040315-SMOHI-BA-REXT-M011	15D0283-17	Product	04/03/15
18	040315-SMOHI-BA-REXT-M007MS	15D0283-13MS	Caulk	04/03/15
19	040315-SMOHI-BA-REXT-M007MSD	15D0283-13MSD	Caulk	04/03/15
20				
21				
22				
23				
24				

Notes:

B118864-BLK1	B119520-BLK1			
B119430-BLK1	B119542-BLK1			
B119500-BLK1	B119558-BLK1			
B119502-BLK1				



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Ramboll ENVIRON
Carlisle Road, Suite 210
Westford, MA 01886
Attn: Mr. Jason Wilkinson

May 19, 2015

SUBJECT: Santa Monica HS, Data Validation

Dear Mr. Wilkinson,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on April 30, 2015. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #34182:

<u>SDG #</u>	<u>Fraction</u>
15D0157, 15D0159, 15D0160, 15D0207, 15D0208, 15D0209	Polychlorinated
15D0210, 15D0211, 15D0212, 15D0213, 15D0214, 15D0215	Biphenyls
15D0216, 15D0274, 15D0278, 15D0283	

The data validation was performed under Level II guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007

Please feel free to contact us if you have any questions.

Sincerely,

Andrew Kong
Project Manager/Senior Chemist

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 7, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0157

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040115-SMOHI-BA-RROOF-M001	15D0157-01	Product	04/01/15
040115-SMOHI-BA-RROOF-M002	15D0157-02	Product	04/01/15
040115-SMOHI-BA-RROOF-M003	15D0157-03	Product	04/01/15
040115-SMOHI-BA-RROOF-M004	15D0157-04	Product	04/01/15
040115-SMOHI-BA-RROOF-M005	15D0157-05	Product	04/01/15
040115-SMOHI-BA-RROOF-M006	15D0157-06	Product	04/01/15
040115-SMOHI-BA-RROOF-M007	15D0157-07	Product	04/01/15
040115-SMOHI-BA-RROOF-M008	15D0157-08	Product	04/01/15
040115-SMOHI-BA-RROOF-M009	15D0157-09	Product	04/01/15
040115-SMOHI-BA-RROOF-M010	15D0157-10	Product	04/01/15
040115-SMOHI-BA-RROOF-M011	15D0157-11	Product	04/01/15
040115-SMOHI-BA-RROOF-M012	15D0157-12	Product	04/01/15
040115-SMOHI-BA-R113-M001	15D0157-13	Product	04/01/15
040115-SMOHI-BA-R113-M002	15D0157-14	Product	04/01/15
040115-SMOHI-BA-R113-M003	15D0157-15	Product	04/01/15
040115-SMOHI-BA-R113-M004	15D0157-16	Product	04/01/15
040115-SMOHI-BA-R113-M005	15D0157-17	Product	04/01/15
040115-SMOHI-BA-R113-M006	15D0157-18	Product	04/01/15
040115-SMOHI-BA-R113-M007	15D0157-19	Product	04/01/15
040115-SMOHI-BA-R113-M008	15D0157-20	Product	04/01/15
040115-SMOHI-BA-RROOF-M001MS	15D0157-01MS	Product	04/01/15
040115-SMOHI-BA-RROOF-M001MSD	15D0157-01MSD	Product	04/01/15
040115-SMOHI-BA-R113-M001MS	15D0157-13MS	Product	04/01/15
040115-SMOHI-BA-R113-M001MSD	15D0157-13MSD	Product	04/01/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040115-SMOHI-BA-RROOF-M001 and 040115-SMOHI-BA-RROOF-M002, samples 040115-SMOHI-BA-RROOF-M005 and 040115-SMOHI-BA-RROOF-M006, samples 040115-SMOHI-BA-RROOF-M009 and 040115-SMOHI-BA-RROOF-M010, samples 040115-SMOHI-BA-R113-M001 and 040115-SMOHI-BA-R113-M002, and samples 040115-SMOHI-BA-R113-M003 and 040115-SMOHI-BA-R113-M004 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	040115-SMOHI-BA-RROOF-M005	040115-SMOHI-BA-RROOF-M006	
Aroclor-1254	0.093U	1.6	200
Total PCBs	0.0	16	200

Compound	Concentration (mg/Kg)		RPD
	040115-SMOHI-BA-R113-M003	040115-SMOHI-BA-R113-M004	
Aroclor-1254	0.44U	0.14	200
Total PCBs	0.0	0.14	200

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0157**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0157**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0157**

No Sample Data Qualified in this SDG

LDC #: 34182A3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0157

Level II

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: TH2nd Reviewer: ew**METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	SW	D=1+2, 5+6, 9+10, 13+14, 15+16
XI.	Compound quantitation/RL/LOQ/LODs	N	
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040115-SMOHI-BA-RROOF-M001	15D0157-01	Product	04/01/15
2	040115-SMOHI-BA-RROOF-M002	15D0157-02	Product	04/01/15
3	040115-SMOHI-BA-RROOF-M003	15D0157-03	Product	04/01/15
4	040115-SMOHI-BA-RROOF-M004	15D0157-04	Product	04/01/15
5	040115-SMOHI-BA-RROOF-M005	15D0157-05	Product	04/01/15
6	040115-SMOHI-BA-RROOF-M006	15D0157-06	Product	04/01/15
7	040115-SMOHI-BA-RROOF-M007	15D0157-07	Product	04/01/15
8	040115-SMOHI-BA-RROOF-M008	15D0157-08	Product	04/01/15
9	040115-SMOHI-BA-RROOF-M009	15D0157-09	Product	04/01/15
10	040115-SMOHI-BA-RROOF-M010	15D0157-10	Product	04/01/15
11	040115-SMOHI-BA-RROOF-M011	15D0157-11	Product	04/01/15
12	040115-SMOHI-BA-RROOF-M012	15D0157-12	Product	04/01/15
13	040115-SMOHI-BA-R113-M001	15D0157-13	Product	04/01/15
14	040115-SMOHI-BA-R113-M002	15D0157-14	Product	04/01/15
15	040115-SMOHI-BA-R113-M003	15D0157-15	Product	04/01/15
16	040115-SMOHI-BA-R113-M004	15D0157-16	Product	04/01/15

LDC #: 34182A3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0157

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *Ym*

2nd Reviewer: *ca*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040115-SMOHI-BA-R113-M005	15D0157-17	Product	04/01/15
18	040115-SMOHI-BA-R113-M006	15D0157-18	Product	04/01/15
19	040115-SMOHI-BA-R113-M007	15D0157-19	Product	04/01/15
20	040115-SMOHI-BA-R113-M008	15D0157-20	Product	04/01/15
21	040115-SMOHI-BA-RROOF-M001MS	15D0157-01MS	Product	04/01/15
22	040115-SMOHI-BA-RROOF-M001MSD	15D0157-01MSD	Product	04/01/15
23	040115-SMOHI-BA-R113-M001MS	15D0157-13MS	Product	04/01/15
24	040115-SMOHI-BA-R113-M001MSD	15D0157-13MSD	Product	04/01/15
25				
26				
27				
28				
29				

Notes:

B118593-BLK1					
B118599-BLK1					
B118600-BLK1					

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. oxy-Chlordane
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Mirex
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET

Field Duplicates

METHOD: GC

N/A
 N/A

Were field duplicate pairs identified in this SDG?

Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/kg)		RPD
	5	6	
AA	0.093u	1.6	200
Total PCBs	0.0	1.6	200

Compound	Concentration (mg/kg)		RPD
	15	16	
AA	0.44u	0.14	200
Total PCBs	0.0	0.14	200

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 7, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0159

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040115-SMOHI-BA-R113-M009	15D0159-01	Product	04/01/15
040115-SMOHI-BA-R113-M010	15D0159-02	Product	04/01/15
040115-SMOHI-BA-R113-M011	15D0159-03	Product	04/01/15
040115-SMOHI-BA-R113-M012	15D0159-04	Product	04/01/15
040115-SMOHI-BA-R113-M013	15D0159-05	Product	04/01/15
040115-SMOHI-BA-R113-M014	15D0159-06	Product	04/01/15
040115-SMOHI-BA-R113-M015	15D0159-07	Product	04/01/15
040115-SMOHI-BA-R113-M016	15D0159-08	Product	04/01/15
040115-SMOHI-BA-R113-M017	15D0159-09	Product	04/01/15
040115-SMOHI-BA-R113-M017MS	15D0159-09MS	Product	04/01/15
040115-SMOHI-BA-R113-M017MSD	15D0159-09MSD	Product	04/01/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for sample 040115-SMOHI-BA-R113-M014. No data were qualified for samples analyzed at greater than or equal to 5X dilution.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0159**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0159**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0159**

No Sample Data Qualified in this SDG

LDC #: 34182B3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5/4/15

SDG #: 15D0159

Level II

Page: 1 of 1

Laboratory: Con-test Analytical Laboratory

Reviewer: 2nd Reviewer: **METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	SW	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	N	
XI.	Compound quantitation/RL/LOQ/LODs	N	
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040115-SMOHI-BA-R113-M009	15D0159-01	Product	04/01/15
2	040115-SMOHI-BA-R113-M010	15D0159-02	Product	04/01/15
3	040115-SMOHI-BA-R113-M011	15D0159-03	Product	04/01/15
4	040115-SMOHI-BA-R113-M012	15D0159-04	Product	04/01/15
5	040115-SMOHI-BA-R113-M013	15D0159-05	Product	04/01/15
6	040115-SMOHI-BA-R113-M014	15D0159-06	Product	04/01/15
7	040115-SMOHI-BA-R113-M015	15D0159-07	Product	04/01/15
8	040115-SMOHI-BA-R113-M016	15D0159-08	Product	04/01/15
9	040115-SMOHI-BA-R113-M017	15D0159-09	Product	04/01/15
10	040115-SMOHI-BA-R113-M017MS	15D0159-09MS	Product	04/01/15
11	040115-SMOHI-BA-R113-M017MSD	15D0159-09MSD	Product	04/01/15
12				
13	B118671-BLK 1			
14				
15				
16				

VALIDATION FINDINGS WORKSHEET

Surrogate Spikes

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081A/8082A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as N/A.

- N N/A Were surrogates spiked into all samples, standards and blanks?
- Y N N/A Were all DCB surrogate recoveries within advisory QC limits on each column.

Level IV/D ONLY

Y N N/A Were surrogate retention times (RTs) on each column within the established RT windows for all samples, standards and blanks?

#	Date	Lab ID/Reference	Column	Surrogate %R (Limits:)		Associated Samples	Qualifications
				TCMX	DCB		
			col 1	φ(30-150)	φ(30-150)	↳	No qual - > 200x Dilution
			col 2	φ	φ	↓	↓

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

Comments: _____

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 7, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0160

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040215-SMOHI-BA-RWOMENS-M001	15D0160-01	Product	04/02/15
040215-SMOHI-BA-RWOMENS-M002	15D0160-02	Product	04/02/15
040215-SMOHI-BA-RWOMENS-M003	15D0160-03	Product	04/02/15
040215-SMOHI-BA-RWOMENS-M004	15D0160-04	Product	04/02/15
040215-SMOHI-BA-RWOMENS-M005	15D0160-05	Product	04/02/15
040215-SMOHI-BA-RWOMENS-M006	15D0160-06	Product	04/02/15
040215-SMOHI-BA-RWOMENS-M007	15D0160-07	Product	04/02/15
040215-SMOHI-BA-RWOMENS-M008	15D0160-08	Product	04/02/15
040215-SMOHI-BA-RWOMENS-M009	15D0160-09	Product	04/02/15
040215-SMOHI-BA-RMENS-M001	15D0160-10	Product	04/02/15
040215-SMOHI-BA-RMENS-M002	15D0160-11	Product	04/02/15
040215-SMOHI-BA-RMENS-M003	15D0160-12	Product	04/02/15
040215-SMOHI-BA-RMENS-M004	15D0160-13	Product	04/02/15
040215-SMOHI-BA-RMENS-M005	15D0160-14	Product	04/02/15
040215-SMOHI-BA-RMENS-M006	15D0160-15	Product	04/02/15
040215-SMOHI-BA-RMENS-M007	15D0160-16	Product	04/02/15
040215-SMOHI-BA-RMENS-M008	15D0160-17	Product	04/02/15
040215-SMOHI-BA-RMENS-M009	15D0160-18	Product	04/02/15
040215-SMOHI-BA-RMENS-M010	15D0160-19	Product	04/02/15
040215-SMOHI-BA-RMENS-M011	15D0160-20	Product	04/02/15
040215-SMOHI-BA-RMENS-M012	15D0160-21	Product	04/02/15
040215-SMOHI-BA-RWOMENS-M001MS	15D0160-01MS	Product	04/02/15
040215-SMOHI-BA-RWOMENS-M001MSD	15D0160-01MSD	Product	04/02/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040215-SMOHI-BA-RWOMENS-M006 and 040215-SMOHI-BA-RWOMENS-M007, 040215-SMOHI-BA-RMENS-M001 and 040215-SMOHI-BA-RMENS-M002, samples 040215-SMOHI-BA-RMENS-M003 and 040215-SMOHI-BA-RMENS-M004, samples 040215-SMOHI-BA-RMENS-M005 and 040215-SMOHI-BA-RMENS-M006, samples 040215-SMOHI-BA-RMENS-M007 and 040215-SMOHI-BA-RMENS-M008, and samples 040215-SMOHI-BA-RMENS-M009 and 040215-SMOHI-BA-RMENS-M010 were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0160**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0160**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0160**

No Sample Data Qualified in this SDG

LDC #: 34182C3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0160

Level II

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: Jm2nd Reviewer: ea**METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	ND	D=6+7, 10+11, 12+13, 14+15, 16+17, 18+19
XI.	Compound quantitation/RL/LOQ/LODs	N	
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040215-SMOHI-BA-WOMEN-M001	15D0160-01	Product	04/02/15
2	040215-SMOHI-BA-WOMEN-M002	15D0160-02	Product	04/02/15
3	040215-SMOHI-BA-WOMEN-M003	15D0160-03	Product	04/02/15
4	040215-SMOHI-BA-WOMEN-M004	15D0160-04	Product	04/02/15
5	040215-SMOHI-BA-WOMEN-M005	15D0160-05	Product	04/02/15
6	040215-SMOHI-BA-WOMEN-M006	15D0160-06	Product	04/02/15
7	040215-SMOHI-BA-WOMEN-M007	15D0160-07	Product	04/02/15
8	040215-SMOHI-BA-WOMEN-M008	15D0160-08	Product	04/02/15
9	040215-SMOHI-BA-WOMEN-M009	15D0160-09	Product	04/02/15
10	040215-SMOHI-BA-MENS-M001	15D0160-10	Product	04/02/15
11	040215-SMOHI-BA-MENS-M002	15D0160-11	Product	04/02/15
12	040215-SMOHI-BA-MENS-M003	15D0160-12	Product	04/02/15
13	040215-SMOHI-BA-MENS-M004	15D0160-13	Product	04/02/15
14	040215-SMOHI-BA-MENS-M005	15D0160-14	Product	04/02/15
15	040215-SMOHI-BA-MENS-M006	15D0160-15	Product	04/02/15
16	040215-SMOHI-BA-MENS-M007	15D0160-16	Product	04/02/15

LDC #: 34182C3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0160

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: YH

2nd Reviewer: aw

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040215-SMOHI-BA-MENS-M008	15D0160-17	Product	04/02/15
18	040215-SMOHI-BA-MENS-M009	15D0160-18	Product	04/02/15
19	040215-SMOHI-BA-MENS-M010	15D0160-19	Product	04/02/15
20	040215-SMOHI-BA-MENS-M011	15D0160-20	Product	04/02/15
21	040215-SMOHI-BA-MENS-M012	15D0160-21	Product	04/02/15
22	040215-SMOHI-BA-WOMEN-M001MS	15D0160-01MS	Product	04/02/15
23	040215-SMOHI-BA-WOMEN-M001MSD	15D0160-01MSD	Product	04/02/15
24				
25				
26				
27				
28				

Notes:

B118703-BLK1					
B118704-BLK1					
B118705-BLK1					
B119350-BLK1					

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 7, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0207

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040315-SMOHI-BA-R201-M001	15D0207-01	Product	04/03/15
040315-SMOHI-BA-R201-M002	15D0207-02	Product	04/03/15
040315-SMOHI-BA-R206-M001	15D0207-03	Product	04/03/15
040315-SMOHI-BA-R206-M002	15D0207-04	Product	04/03/15
040315-SMOHI-BA-R211-M001	15D0207-05	Product	04/03/15
040315-SMOHI-BA-R211-M002	15D0207-06	Product	04/03/15
040315-SMOHI-BA-R211-M003	15D0207-07	Product	04/03/15
040315-SMOHI-BA-R211-M002MS	15D0207-06MS	Product	04/03/15
040315-SMOHI-BA-R211-M002MSD	15D0207-06MSD	Product	04/03/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040315-SMOHI-BA-R201-M001 and 040315-SMOHI-BA-R201-M002 and samples 040315-SMOHI-BA-R206-M001 and 040315-SMOHI-BA-R206-M002 were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0207**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0207**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0207**

No Sample Data Qualified in this SDG

LDC #: 34182D3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0207

Level II

Page: 1 of 1

Laboratory: Con-test Analytical Laboratory

Reviewer: *[Signature]*
2nd Reviewer: *[Signature]*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	ND	D=1+2, 3+4,
XI.	Compound quantitation/RL/LOQ/LODs	N	
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040315-SMOHI-BA-R201-M001	15D0207-01	Product	04/03/15
2	040315-SMOHI-BA-R201-M002	15D0207-02	Product	04/03/15
3	040315-SMOHI-BA-R206-M001	15D0207-03	Product	04/03/15
4	040315-SMOHI-BA-R206-M002	15D0207-04	Product	04/03/15
5	040315-SMOHI-BA-R211-M001	15D0207-05	Product	04/03/15
6	040315-SMOHI-BA-R211-M002	15D0207-06	Product	04/03/15
7	040315-SMOHI-BA-R211-M003	15D0207-07	Product	04/03/15
8	040315-SMOHI-BA-R211-M002MS	15D0207-06MS	Product	04/03/15
9	040315-SMOHI-BA-R211-M002MSD	15D0207-06MSD	Product	04/03/15
10				
11				
12				
13				

Notes:

B119162-BLK1				
B119196-BLK1				

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 18, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0208

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040315-SMOHI-BA-R200-M010	15D0208-01	Product	04/03/15
040315-SMOHI-BA-R200-M011	15D0208-02	Product	04/03/15
040315-SMOHI-BA-R200-M012	15D0208-03	Product	04/03/15
040315-SMOHI-BA-R200-M013	15D0208-04	Product	04/03/15
040315-SMOHI-BA-R202-M001	15D0208-05	Product	04/03/15
040315-SMOHI-BA-R202-M002	15D0208-06	Product	04/03/15
040315-SMOHI-BA-R202-M003	15D0208-07	Product	04/03/15
040315-SMOHI-BA-R202-M004	15D0208-08	Product	04/03/15
040315-SMOHI-BA-R202-M005	15D0208-09	Product	04/03/15
040315-SMOHI-BA-R202-M006	15D0208-10	Product	04/03/15
040315-SMOHI-BA-R202-M007	15D0208-11	Product	04/03/15
040315-SMOHI-BA-R202-M008	15D0208-12	Product	04/03/15
040315-SMOHI-BA-R202-M009	15D0208-13	Product	04/03/15
040315-SMOHI-BA-R202-M010	15D0208-14	Product	04/03/15
040315-SMOHI-BA-R202-M011	15D0208-15	Product	04/03/15
040315-SMOHI-BA-R200-M001	15D0208-16	Product	04/03/15
040315-SMOHI-BA-R200-M002	15D0208-17	Product	04/03/15
040315-SMOHI-BA-R200-M003	15D0208-18	Product	04/03/15
040315-SMOHI-BA-R200-M004	15D0208-19	Product	04/03/15
040315-SMOHI-BA-R200-M005	15D0208-20	Product	04/03/15
040315-SMOHI-BA-R202-M006MS	15D0208-10MS	Product	04/03/15
040315-SMOHI-BA-R202-M006MSD	15D0208-10MSD	Product	04/03/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040315-SMOHI-BA-R200-M012 and 040315-SMOHI-BA-R200-M013, samples 040315-SMOHI-BA-R202-M010 and 040315-SMOHI-BA-R202-M011, and samples 040315-SMOHI-BA-R200-M006 (from SDG 15D0209) and 040315-SMOHI-BA-R200-M005 were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

LDC #: 34182E3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0208

Level II

Page: 1 of 1

Laboratory: Con-test Analytical Laboratory

Reviewer: cm2nd Reviewer: cm**METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	ND	D=3+4, 14+15, 20+040315-SMOHI-BA-R200 - Mod (15D0209)
XI.	Compound quantitation/RL/LOQ/LODs	N	
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040315-SMOHI-BA-R200-M010	15D0208-01	Product	04/03/15
2	040315-SMOHI-BA-R200-M011	15D0208-02	Product	04/03/15
3	040315-SMOHI-BA-R200-M012	15D0208-03	Product	04/03/15
4	040315-SMOHI-BA-R200-M013	15D0208-04	Product	04/03/15
5	040315-SMOHI-BA-R202-M001	15D0208-05	Product	04/03/15
6	040315-SMOHI-BA-R202-M002	15D0208-06	Product	04/03/15
7	040315-SMOHI-BA-R202-M003	15D0208-07	Product	04/03/15
8	040315-SMOHI-BA-R202-M004	15D0208-08	Product	04/03/15
9	040315-SMOHI-BA-R202-M005	15D0208-09	Product	04/03/15
10	040315-SMOHI-BA-R202-M006	15D0208-10	Product	04/03/15
11	040315-SMOHI-BA-R202-M007	15D0208-11	Product	04/03/15
12	040315-SMOHI-BA-R202-M008	15D0208-12	Product	04/03/15
13	040315-SMOHI-BA-R202-M009	15D0208-13	Product	04/03/15
14	040315-SMOHI-BA-R202-M010	15D0208-14	Product	04/03/15
15	040315-SMOHI-BA-R202-M011	15D0208-15	Product	04/03/15
16	040315-SMOHI-BA-R200-M001	15D0208-16	Product	04/03/15

LDC #: 34182E3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5/4/15

SDG #: 15D0208

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *TH*

2nd Reviewer: *W*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040315-SMOHI-BA-R200-M002	15D0208-17	Product	04/03/15
18	040315-SMOHI-BA-R200-M003	15D0208-18	Product	04/03/15
19	040315-SMOHI-BA-R200-M004	15D0208-19	Product	04/03/15
20	040315-SMOHI-BA-R200-M005	15D0208-20	Product	04/03/15
21	040315-SMOHI-BA-R202-M006MS	15D0208-10MS	Product	04/03/15
22	040315-SMOHI-BA-R202-M006MSD	15D0208-10MSD	Product	04/03/15
23				
24				
25				
26				
27				

Notes:

B119162-BLK1	B119659-BLK1				
B119196-BLK1					
B119204-BLK1					
B119350-BLK1					

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS
LDC Report Date: May 7, 2015
Parameters: Polychlorinated Biphenyls
Validation Level: Level II
Laboratory: Con-Test Analytical Laboratory
Sample Delivery Group (SDG): 15D0209

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040315-SMOHI-R200-M006	15D0209-01	Product	04/03/15
040315-SMOHI-R200-M007	15D0209-02	Product	04/03/15
040315-SMOHI-R200-M008	15D0209-03	Product	04/03/15
040315-SMOHI-R200-M009	15D0209-04	Product	04/03/15
040315-SMOHI-R200-M006MS	15D0209-01MS	Product	04/03/15
040315-SMOHI-R200-M006MSD	15D0209-01MSD	Product	04/03/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040315-SM0HI-BA-R200-M005 (from SDG 15D0208) and 040315-SMOHI-R200-M006 were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0209**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0209**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0209**

No Sample Data Qualified in this SDG

LDC #: 34182F3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0209

Level II

Page: 1 of 1

Laboratory: Con-test Analytical Laboratory

Reviewer: *SM*

2nd Reviewer: *CA*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	ND	D = 1 + 040315-SMOHI-BA-R200-M005
XI.	Compound quantitation/RL/LOQ/LODs	N	(15D0208)
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet

ND = No compounds detected
 R = Rinsate
 FB = Field blank

D = Duplicate
 TB = Trip blank
 EB = Equipment blank

SB=Source blank
 OTHER:

	Client ID	Lab ID	Matrix	Date
1	040315-SMOHI-R200-M006	15D0209-01	Product	04/03/15
2	040315-SMOHI-R200-M007	15D0209-02	Product	04/03/15
3	040315-SMOHI-R200-M008	15D0209-03	Product	04/03/15
4	040315-SMOHI-R200-M009	15D0209-04	Product	04/03/15
5	040315-SMOHI-R200-M006MS	15D0209-01MS	Product	04/03/15
6	040315-SMOHI-R200-M006MSD	15D0209-01MSD	Product	04/03/15
7				
8				
9				
10				
11				
12				

Notes:

B119196-BLK1				
B119204-BLK1				
B119464-BLK1				

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Santa Monica HS
LDC Report Date: May 7, 2015
Parameters: Polychlorinated Biphenyls
Validation Level: Level II
Laboratory: Con-Test Analytical Laboratory
Sample Delivery Group (SDG): 15D0210

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040215-SMOHI-BA-R108-M010	15D0210-01	Product	04/02/15
040215-SMOHI-BA-R108-M011	15D0210-02	Product	04/02/15
040215-SMOHI-BA-R108-M012	15D0210-03	Product	04/02/15
040215-SMOHI-BA-R108-M013	15D0210-04	Product	04/02/15
040215-SMOHI-BA-R108-M014	15D0210-05	Product	04/02/15
040215-SMOHI-BA-R219-M001	15D0210-06	Product	04/02/15
040215-SMOHI-BA-R219-M002	15D0210-07	Product	04/02/15
040215-SMOHI-BA-R213-M001	15D0210-08	Product	04/02/15
040215-SMOHI-BA-R213-M002	15D0210-09	Product	04/02/15
040215-SMOHI-BA-R213-M003	15D0210-10	Product	04/02/15
040215-SMOHI-BA-R213-M004	15D0210-11	Product	04/02/15
040315-SMOHI-BA-R206B-M001	15D0210-12	Product	04/03/15
040315-SMOHI-BA-R206B-M002	15D0210-13	Product	04/03/15
040315-SMOHI-BA-R206B-M003	15D0210-14	Product	04/03/15
040315-SMOHI-BA-R206B-M004	15D0210-15	Product	04/03/15
040315-SMOHI-BA-R206B-M005	15D0210-16	Product	04/03/15
040315-SMOHI-BA-R206B-M007	15D0210-17	Product	04/03/15
040315-SMOHI-BA-R208B-M001	15D0210-18	Product	04/03/15
040315-SMOHI-BA-R208B-M002	15D0210-19	Product	04/03/15
040315-SMOHI-BA-R208B-M003	15D0210-20	Product	04/03/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for sample 040315-SMOHI-BA-R208B-M002. No data were qualified for samples analyzed at greater than or equal to 5X dilution.

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040215-SMOHI-BA-R108-M011 and 040215-SMOHI-BA-R108-M012 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	040215-SMOHI-BA-R108-M011	040215-SMOHI-BA-R108-M012	
Aroclor-1254	0.18	0.21	15
Total PCBs	0.18	0.21	15

XI. Compound Quantitation

Raw data were not reviewed for Level II validation.

XII. Target Compound Identification

Raw data were not reviewed for Level II validation.

XIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0210**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0210**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0210**

No Sample Data Qualified in this SDG

LDC #: 34182G3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5/4/15

SDG #: 15D0210

Level II

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *TM*2nd Reviewer: *or***METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	SW	
VIII.	Matrix spike/Matrix spike duplicates	N	C.S.
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	SW	D=H+T 2+3
XI.	Compound quantitation/RL/LOQ/LODs	N	
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040215-SMOHI-BA-R108-M010	15D0210-01	Product	04/02/15
2	040215-SMOHI-BA-R108-M011	15D0210-02	Product	04/02/15
3	040215-SMOHI-BA-R108-M012	15D0210-03	Product	04/02/15
4	040215-SMOHI-BA-R108-M013	15D0210-04	Product	04/02/15
5	040215-SMOHI-BA-R108-M014	15D0210-05	Product	04/02/15
6	040215-SMOHI-BA-R219-M001	15D0210-06	Product	04/02/15
7	040215-SMOHI-BA-R219-M002	15D0210-07	Product	04/02/15
8	040215-SMOHI-BA-R213-M001	15D0210-08	Product	04/02/15
9	040215-SMOHI-BA-R213-M002	15D0210-09	Product	04/02/15
10	040215-SMOHI-BA-R213-M003	15D0210-10	Product	04/02/15
11	040215-SMOHI-BA-R213-M004	15D0210-11	Product	04/02/15
12	040315-SMOHI-BA-R206B-M001	15D0210-12	Product	04/03/15
13	040315-SMOHI-BA-R206B-M002	15D0210-13	Product	04/03/15
14	040315-SMOHI-BA-R206B-M003	15D0210-14	Product	04/03/15
15	040315-SMOHI-BA-R206B-M004	15D0210-15	Product	04/03/15
16	040315-SMOHI-BA-R206B-M005	15D0210-16	Product	04/03/15

LDC #: 34182G3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0210

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: YH
2nd Reviewer: AW

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040315-SMOHI-BA-R206B-M007	15D0210-17	Product	04/03/15
18	040315-SMOHI-BA-R208B-M001	15D0210-18	Product	04/03/15
19	040315-SMOHI-BA-R208B-M002	15D0210-19	Product	04/03/15
20	040315-SMOHI-BA-R208B-M003	15D0210-20	Product	04/03/15
21				
22				
23				
24				
25				

Notes:

	B118719-BLK1				
	B118872-BLK1				
	B119196-BLK1				

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. oxy-Chlordane
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Mirex
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET Surrogate Spikes

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081A/8082A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as N/A.

- N N/A Were surrogates spiked into all samples, standards and blanks?
- N N/A Were all DCB surrogate recoveries within advisory QC limits on each column.

Level IV/D ONLY

- N N/A Were surrogate retention times (RTs) on each column within the established RT windows for all samples, standards and blanks?

#	Date	Lab ID/Reference	Column	Surrogate %R (Limits:)		Associated Samples	Qualifications
				TCMX	DCB		
			col 1	21.2 (30-50)		19	No qual - >10x dilution ↓ ↓
			col 2	23.5 ↓		↓	

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

Comments: _____

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: GC

N N/A
 Y N N/A

Were field duplicate pairs identified in this SDG?

Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/kg)		RPD
	2	3	
AA	0.18	0.21	15
Total PCBs	0.18	0.21	15

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Santa Monica HS
LDC Report Date: May 7, 2015
Parameters: Polychlorinated Biphenyls
Validation Level: Level II
Laboratory: Con-Test Analytical Laboratory
Sample Delivery Group (SDG): 15D0211

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040315-SMOHI-BA-R208B-M004	15D0211-01	Product	04/03/15
040315-SMOHI-BA-R208B-M005	15D0211-02	Product	04/03/15
040315-SMOHI-BA-R208B-M006	15D0211-03	Product	04/03/15
040315-SMOHI-BA-R208B-M007	15D0211-04	Product	04/03/15
040315-SMOHI-BA-R208B-M008	15D0211-05	Product	04/03/15
040315-SMOHI-BA-R208B-M009	15D0211-06	Product	04/03/15
040215-SMOHI-BA-R108-M001	15D0211-07	Product	04/02/15
040215-SMOHI-BA-R108-M002	15D0211-08	Product	04/02/15
040215-SMOHI-BA-R108-M003	15D0211-09	Product	04/02/15
040215-SMOHI-BA-R108-M004	15D0211-10	Product	04/02/15
040215-SMOHI-BA-R108-M005	15D0211-11	Product	04/02/15
040215-SMOHI-BA-R108-M006	15D0211-12	Product	04/02/15
040215-SMOHI-BA-R108-M007	15D0211-13	Product	04/02/15
040215-SMOHI-BA-R108-M008	15D0211-14	Product	04/02/15
040215-SMOHI-BA-R108-M009	15D0211-15	Product	04/02/15
040215-SMOHI-BA-R108-M001MS	15D0211-07MS	Product	04/02/15
040215-SMOHI-BA-R108-M001MSD	15D0211-07MSD	Product	04/02/15
040215-SMOHI-BA-R108-M002MS	15D0211-08MS	Product	04/02/15
040215-SMOHI-BA-R108-M002MSD	15D0211-08MSD	Product	04/02/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040315-SMOHI-BA-R208B-M006 and 040315-SMOHI-BA-R208B-M008 and samples 040315-SMOHI-BA-R208B-M007 and 040315-SMOHI-BA-R208B-M009 were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0211**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0211**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0211**

No Sample Data Qualified in this SDG

LDC #: 34182H3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0211

Level II

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *SM*2nd Reviewer: *CR***METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	ND	D=3+5, 4+6
XI.	Compound quantitation/RL/LOQ/LODs	N	
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040315-SMOHI-BA-208B-M004	15D0211-01	Product	04/03/15
2	040315-SMOHI-BA-208B-M005	15D0211-02	Product	04/03/15
3	040315-SMOHI-BA-208B-M006	15D0211-03	Product	04/03/15
4	040315-SMOHI-BA-208B-M007	15D0211-04	Product	04/03/15
5	040315-SMOHI-BA-208B-M008	15D0211-05	Product	04/03/15
6	040315-SMOHI-BA-208B-M009	15D0211-06	Product	04/03/15
7	040215-SMOHI-BA-R108-M001	15D0211-07	Product	04/02/15
8	040215-SMOHI-BA-R108-M002	15D0211-08	Product	04/02/15
9	040215-SMOHI-BA-R108-M003	15D0211-09	Product	04/02/15
10	040215-SMOHI-BA-R108-M004	15D0211-10	Product	04/02/15
11	040215-SMOHI-BA-R108-M005	15D0211-11	Product	04/02/15
12	040215-SMOHI-BA-R108-M006	15D0211-12	Product	04/02/15
13	040215-SMOHI-BA-R108-M007	15D0211-13	Product	04/02/15
14	040215-SMOHI-BA-R108-M008	15D0211-14	Product	04/02/15
15	040215-SMOHI-BA-R108-M009	15D0211-15	Product	04/02/15
16	040215-SMOHI-BA-R108-M001MS	15D0211-07MS	Product	04/02/15

LDC #: 34182H3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5/4/15

SDG #: 15D0211

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *SM*

2nd Reviewer: *aw*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040215-SMOHI-BA-R108-M001MSD	15D0211-07MSD	Product	04/02/15
18	040215-SMOHI-BA-R108-M002MS	15D0211-08MS	Product	04/02/15
19	040215-SMOHI-BA-R108-M002MSD	15D0211-08MSD	Product	04/02/15
20				
21				
22				
23				

Notes:

B118976-BLK1	B119350-BLK1			
B119069-BLK1	B119430-BLK1			
B119162-BLK1				
B119196-BLK1				

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 7, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0212

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040315-SMOHI-BA-R102-M001	15D0212-01	Product	04/03/15
040315-SMOHI-BA-R102-M002	15D0212-02	Product	04/03/15
040315-SMOHI-BA-R102-M003	15D0212-03	Product	04/03/15
040315-SMOHI-BA-R102-M004	15D0212-04	Product	04/03/15
040315-SMOHI-BA-R102-M005	15D0212-05	Product	04/03/15
040315-SMOHI-BA-R102-M006	15D0212-06	Product	04/03/15
040315-SMOHI-BA-R102-M007	15D0212-07	Product	04/03/15
040315-SMOHI-BA-R102-M008	15D0212-08	Product	04/03/15
040315-SMOHI-BA-R102-M009	15D0212-09	Product	04/03/15
040315-SMOHI-BA-R102-M010	15D0212-10	Product	04/03/15
040315-SMOHI-BA-R109-M001	15D0212-11	Product	04/03/15
040315-SMOHI-BA-R109-M002	15D0212-12	Product	04/03/15
040315-SMOHI-BA-R109-M003	15D0212-13	Product	04/03/15
040315-SMOHI-BA-R109-M004	15D0212-14	Product	04/03/15
040315-SMOHI-BA-R214-M002	15D0212-15	Product	04/03/15
040315-SMOHI-BA-R214-M003	15D0212-16	Product	04/03/15
040315-SMOHI-BA-R208-M001	15D0212-17	Product	04/03/15
040315-SMOHI-BA-R208-M002	15D0212-18	Product	04/03/15
040315-SMOHI-BA-R208-M003	15D0212-19	Product	04/03/15
040315-SMOHI-BA-R208-M004	15D0212-20	Product	04/03/15
040315-SMOHI-BA-R102-M005MS	15D0212-05MS	Product	04/03/15
040315-SMOHI-BA-R102-M005MSD	15D0212-05MSD	Product	04/03/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. Surrogate recoveries (%R) were not within QC limits for sample 040315-SMOHI-BA-R109-M003. No data were qualified for samples analyzed at greater than or equal to 5X dilution.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits.

Relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	RPD (Limits)	Affected Compound	Flag	A or P
040315-SMOHI-BA-R102-M005MS/MSD (040315-SMOHI-BA-R102-M005)	Aroclor-1260	57.8 (≤50)	Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268 Total PCBs	NA	-

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040315-SMOHI-BA-R102-M001 and 040315-SMOHI-BA-R102-M002, samples 040315-SMOHI-BA-R102-M003 and 040315-SMOHI-BA-R102-M004, samples 040315-SMOHI-BA-R102-M005 and 040315-SMOHI-BA-R102-M006, samples 040315-SMOHI-BA-R102-M007 and 040315-SMOHI-BA-R102-M008, samples 040315-SMOHI-BA-R102-M009 and 040315-SMOHI-BA-R102-M010, samples 040315-SMOHI-BA-R109-M001 and 040315-SMOHI-BA-R109-M002, samples 040315-SMOHI-BA-R109-M003 and 040315-SMOHI-BA-R109-M004, samples 040315-SMOHI-BA-R214-M002 and 040315-SMOHI-BA-R214-M003, samples 040315-SMOHI-BA-R208-M002 and 040315-SMOHI-BA-R208-M005 (from SDG 15D0213), and samples 040315-SMOHI-BA-R208-M003 and 040315-SMOHI-BA-R208-M006 (from SDG 15D0213) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	040315-SMOHI-BA-R102-M007	040315-SMOHI-BA-R102-M008	
Aroclor-1254	0.22	0.24	9
Total PCBs	0.22	0.24	9

Compound	Concentration (mg/Kg)		RPD
	040315-SMOHI-BA-R208-M003	040315-SMOHI-BA-R208-M006	
Aroclor-1242	0.15	0.16	6
Aroclor-1254	0.091U	0.12	200
Total PCBs	0.15	0.28	60

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0212**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0212**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0212**

No Sample Data Qualified in this SDG

LDC #: 3418213b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0212

Level II

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: Jm2nd Reviewer: AK**METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	NN	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	SW	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	SW	D= 1+2, 3+4, 5+6, 7+8, 9+10, 11+12, 13+14, 15+16, 18+ 040315-SMOHI-BA-R208-ND
XI.	Compound quantitation/RL/LOQ/LODs	N	19+ 040315-SMOHI-BA-R208 - M006 (15D021
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040315-SMOHI-BA-R102-M001	15D0212-01	Product	04/03/15
2	040315-SMOHI-BA-R102-M002	15D0212-02	Product	04/03/15
3	040315-SMOHI-BA-R102-M003	15D0212-03	Product	04/03/15
4	040315-SMOHI-BA-R102-M004	15D0212-04	Product	04/03/15
5	040315-SMOHI-BA-R102-M005	15D0212-05	Product	04/03/15
6	040315-SMOHI-BA-R102-M006	15D0212-06	Product	04/03/15
7	040315-SMOHI-BA-R102-M007	15D0212-07	Product	04/03/15
8	040315-SMOHI-BA-R102-M008	15D0212-08	Product	04/03/15
9	040315-SMOHI-BA-R102-M009	15D0212-09	Product	04/03/15
10	040315-SMOHI-BA-R102-M010	15D0212-10	Product	04/03/15
11	040315-SMOHI-BA-R109-M001	15D0212-11	Product	04/03/15
12	040315-SMOHI-BA-R109-M002	15D0212-12	Product	04/03/15
13	040315-SMOHI-BA-R109-M003	15D0212-13	Product	04/03/15
14	040315-SMOHI-BA-R109-M004	15D0212-14	Product	04/03/15
15	040315-SMOHI-BA-R214-M002	15D0212-15	Product	04/03/15
16	040315-SMOHI-BA-R214-M003	15D0212-16	Product	04/03/15

LDC #: 3418213b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0212

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: CPW
2nd Reviewer: AW

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040315-SMOHI-BA-R208-M001	15D0212-17	Product	04/03/15
18	040315-SMOHI-BA-R208-M002	15D0212-18	Product	04/03/15
19	040315-SMOHI-BA-R208-M003	15D0212-19	Product	04/03/15
20	040315-SMOHI-BA-R208-M004	15D0212-20	Product	04/03/15
21	040315-SMOHI-BA-R102-M005MS	15D0212-05MS	Product	04/03/15
22	040315-SMOHI-BA-R102-M005MSD	15D0212-05MSD	Product	04/03/15
23				
24				
25				
26				
27				

Notes:

B119204-Blk1					
B119371-Blk1					
B119464-Blk1					

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. oxy-Chlordane
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Mirex
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Aroclor-1262
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. Aroclor-1268
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET

Surrogate Spikes

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081A/8082A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as N/A.

N N/A Were surrogates spiked into all samples, standards and blanks?

N N/A Were all DCB surrogate recoveries within advisory QC limits on each column.

Level IV/D ONLY

N N/A Were surrogate retention times (RTs) on each column within the established RT windows for all samples, standards and blanks?

#	Date	Lab ID/Reference	Column	Surrogate %R (Limits:)		Associated Samples	Qualifications
				TCMX	DCB		
			col 1	∅ (30-150)	∅ (30-150)	13	No qual - > 200x Dilution ↓
			col 2	∅ ↓	∅ ↓	↓	

TCX = Tetrachloro-m-xylene
 DCB = Decachlorobiphenyl

Comments: _____

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

- N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG?
- N N/A Was a MS/MSD analyzed every 20 samples for each matrix or whenever a sample extraction was performed?
- N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	
		21/22	BB	()	()	578 (50)	5	Ident/A (all)
				()	()	()		(+ Total PCBs)
				()	()	()		(Y, Z, AA, BB, KK, LL)
				()	()	()		
				()	()	()		
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				()	()	()		

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: GC

Y N N/A
 Y N N/A

Were field duplicate pairs identified in this SDG?

Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/kg)		RPD
	7	8	
AA	0.22	0.24	9
Total PCBs	0.22	0.24	9

Compound	Concentration (mg/kg)		RPD
	19	2005 070315-SNOHI- BA-208-NDDP	
Y	0.15	0.16	6
AA	0.0914	0.12	200
Total PCBs	0.15	0.28	60

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 7, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0213

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040315-SMOHI-BA-R208-M005	15D0213-01	Product	04/03/15
040315-SMOHI-BA-R208-M006	15D0213-02	Product	04/03/15
040315-SMOHI-BA-R208-M007	15D0213-03	Product	04/03/15
040315-SMOHI-BA-R208-M008	15D0213-04	Product	04/03/15
040215-SMOHI-BA-R105-M001	15D0213-05	Product	04/02/15
040215-SMOHI-BA-R105-M002	15D0213-06	Product	04/02/15
040215-SMOHI-BA-R105-M003	15D0213-07	Product	04/02/15
040215-SMOHI-BA-R105-M004	15D0213-08	Product	04/02/15
040215-SMOHI-BA-R105-M005	15D0213-09	Product	04/02/15
040215-SMOHI-BA-R105-M006	15D0213-10	Product	04/02/15
040215-SMOHI-BA-R105-M007	15D0213-11	Product	04/02/15
040215-SMOHI-BA-R105-M008	15D0213-12	Product	04/02/15
040215-SMOHI-BA-R105-M009	15D0213-13	Product	04/02/15
040215-SMOHI-BA-R105-M010	15D0213-14	Product	04/02/15
040215-SMOHI-BA-R105-M011	15D0213-15	Product	04/02/15
040215-SMOHI-BA-R214-M001	15D0213-16	Product	04/02/15
040215-SMOHI-BA-R206C-M012	15D0213-17	Product	04/02/15
040215-SMOHI-BA-R206C-M001	15D0213-18	Product	04/02/15
040215-SMOHI-BA-R206C-M002	15D0213-19	Product	04/02/15
040215-SMOHI-BA-R206C-M003	15D0213-20	Product	04/02/15
040215-SMOHI-BA-R206C-M003MS	15D0213-20MS	Product	04/02/15
040215-SMOHI-BA-R206C-M003MSD	15D0213-20MSD	Product	04/02/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Compound	Flag	A or P
040215-SMOHI-BA-R206C-M003MS/MSD (040215-SMOHI-BA-R206C-M003)	Aroclor-1016 Aroclor-1016	321 (40-140) 343 (40-140)	147 (40-140) -	Aroclor-1016 Aroclor-1221 Aroclor-1232 Total PCBs	NA	-

Relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	RPD (Limits)	Affected Compound	Flag	A or P
040215-SMOHI-BA-R206C-M003MS/MSD (040215-SMOHI-BA-R206C-M003)	Aroclor-1016 Aroclor-1016	74.5 (≤50) 84.1 (≤50)	Aroclor-1016 Aroclor-1221 Aroclor-1232 Total PCBs	NA	-

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040315-SMOHI-BA-R208-M005 and 040315-SMOHI-BA-R208-M002 (from SDG 15D0212), samples 040315-SMOHI-BA-R208-M006 and 040315-SMOHI-BA-R208-M003 (from SDG 15D0212), samples 040315-SMOHI-BA-R208-M007 and 040315-SMOHI-BA-R208-M008, samples 040215-SMOHI-BA-R105-M006 and 040215-SMOHI-BA-R105-M010, samples 040215-SMOHI-BA-R105-M003 and 040215-SMOHI-BA-R105-M011, samples 040215-SMOHI-BA-R206C-M012 and 040215-SMOHI-BA-R206C-M011 (from SDG 15D0214), samples 040215-SMOHI-BA-R206C-M001 and 040215-SMOHI-BA-R206C-M002, and samples 040215-SMOHI-BA-R206C-M003 and 040215-SMOHI-BA-R206C-M004 (from SDG 15D0214) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	040315-SMOHI-BA-R208-M006	040315-SMOHI-BA-R208-M003	
Aroclor-1242	0.16	0.15	6
Aroclor-1254	0.12	0.091U	200
Total PCBs	0.28	0.15	60

Compound	Concentration (mg/Kg)		RPD
	040215-SMOHI-BA-R105-M006	040215-SMOHI-BA-R105-M010	
Aroclor-1254	0.45	0.17	90
Aroclor-1260	0.53	0.17	103
Total PCBs	0.98	0.33	99

Compound	Concentration (mg/Kg)		RPD
	040215-SMOHI-BA-R105-M003	040215-SMOHI-BA-R105-M011	
Aroclor-1254	3.5	1.4	86
Aroclor-1260	1.7	1.3	27
Aroclor-1248	0.47U	0.66	200
Total PCBs	5.2	3.4	42

Compound	Concentration (mg/Kg)		RPD
	040215-SMOHI-BA-R206C-M001	040215-SMOHI-BA-R206C-M002	
Aroclor-1242	1.7	2.7	45
Total PCBs	1.7	2.7	45

Compound	Concentration (mg/Kg)		RPD
	040215-SMOHI-BA-R206C-M003	040215-SMOHI-BA-R206C-M004	
Aroclor-1242	0.10U	2.3	200
Total PCBs	0.0	2.3	200

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0213**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0213**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0213**

No Sample Data Qualified in this SDG

LDC #: 34182J3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0213

Level II

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: Tm
2nd Reviewer: CA

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	SW	D = 1 + 040315-SMOHI-BA-R208-M002(15D0212),
XI.	Compound quantitation/RL/LOQ/LODs	N	2 + 040315-SMOHI-BA-R208-M003(15D0212),
XII.	Target compound identification	N	3+4, 10+14, 7+15
XIII.	Overall assessment of data	A	17 + 040215-SMOHI-BA-R206-M011(15D0214) 18+19, 20+040215-SMOHI-BA-R206-M004 OTHER: (15D0214)

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB = Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040315-SMOHI-BA-R208-M005	15D0213-01	Product	04/03/15
2	040315-SMOHI-BA-R208-M006	15D0213-02	Product	04/03/15
3	040315-SMOHI-BA-R208-M007	15D0213-03	Product	04/03/15
4	040315-SMOHI-BA-R208-M008	15D0213-04	Product	04/03/15
5	040215-SMOHI-BA-R105-M001	15D0213-05	Product	04/02/15
6	040215-SMOHI-BA-R105-M002	15D0213-06	Product	04/02/15
7	040215-SMOHI-BA-R105-M003	15D0213-07	Product	04/02/15
8	040215-SMOHI-BA-R105-M004	15D0213-08	Product	04/02/15
9	040215-SMOHI-BA-R105-M005	15D0213-09	Product	04/02/15
10	040215-SMOHI-BA-R105-M006	15D0213-10	Product	04/02/15
11	040215-SMOHI-BA-R105-M007	15D0213-11	Product	04/02/15
12	040215-SMOHI-BA-R105-M008	15D0213-12	Product	04/02/15
13	040215-SMOHI-BA-R105-M009	15D0213-13	Product	04/02/15
14	040215-SMOHI-BA-R105-M010	15D0213-14	Product	04/02/15
15	040215-SMOHI-BA-R105-M011	15D0213-15	Product	04/02/15
16	040215-SMOHI-BA-R214-M001	15D0213-16	Product	04/02/15

LDC #: 34182J3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0213

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: YH

2nd Reviewer: [Signature]

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040215-SMOHI-BA-R206C-M012	15D0213-17	Product	04/02/15
18	040215-SMOHI-BA-R206C-M001	15D0213-18	Product	04/02/15
19	040215-SMOHI-BA-R206C-M002	15D0213-19	Product	04/02/15
20	040215-SMOHI-BA-R206C-M003	15D0213-20	Product	04/02/15
21	040215-SMOHI-BA-R206C-M003MS	15D0213-20MS	Product	04/02/15
22	040215-SMOHI-BA-R206C-M003MSD	15D0213-20MSD	Product	04/02/15
23				
24				
25				
26				
27				

Notes:

B119204-BLK1				
B119320-BLK1				

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. oxy-Chlordane
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Mirex
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: GC

N N/A
 Y N N/A

Were field duplicate pairs identified in this SDG?

Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/kg)		RPD
	2	040315-SMOHI-BA-R208-MOD3	
Y	0.16	0.15	6
AA	0.12	0.091U	200
Total PCBs	0.28	0.15	60

Compound	Concentration (mg/kg)		RPD
	10	14	
AA	0.45	0.17	90
BB	0.53	0.17	103
Total PCBs	0.98	0.33	99

Compound	Concentration (mg/kg)		RPD
	7	15	
AA	3.5	1.4	86
BB	1.7	1.3	27
Z	0.47U	0.66	200
Total PCBs	5.2	3.4	42

Compound	Concentration (mg/kg)		RPD
	18	19	
Y	1.7	2.7	45
Total PCBs	1.7	2.7	45

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: GC

N N/A
 N N/A

Were field duplicate pairs identified in this SDG?

Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/kg)		RPD
	20	040215-SMOHI-BA-R206C-1004	
Y Total PCBs	0.10u	2.3	200
	0.0	2.3	200

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 7, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0214

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040215-SMOHI-BA-R206C-M004	15D0214-01	Product	04/02/15
040215-SMOHI-BA-R206C-M005	15D0214-02	Product	04/02/15
040215-SMOHI-BA-R206C-M006	15D0214-03	Product	04/02/15
040215-SMOHI-BA-R206C-M007	15D0214-04	Product	04/02/15
040215-SMOHI-BA-R206C-M008	15D0214-05	Product	04/02/15
040215-SMOHI-BA-R206C-M009	15D0214-06	Product	04/02/15
040215-SMOHI-BA-R206C-M010	15D0214-07	Product	04/02/15
040215-SMOHI-BA-R206C-M011	15D0214-08	Product	04/02/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040215-SMOHI-BA-R206C-M004 and 040215-SMOHI-BA-R206C-M003 (from SDG 15D0213), samples 040215-SMOHI-BA-R206C-M005 and 040215-SMOHI-BA-R206C-M006, samples 040215-SMOHI-BA-R206C-M007 and 040215-SMOHI-BA-R206C-M008, and samples 040215-SMOHI-BA-R206C-M011 and 040215-SMOHI-BA-R206C-M012 (from SDG 15D0213) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	040215-SMOHI-BA-R206C-M004	040215-SMOHI-BA-R206C-M003	
Aroclor-1242	2.3	0.10U	200
Total PCBs	2.3	0.0	200

Compound	Concentration (mg/Kg)		RPD
	040215-SMOHI-BA-R206C-M011	040215-SMOHI-BA-R206C-M012	
Aroclor-1248	0.85	0.81	5
Aroclor-1254	1.1	1.1	0
Aroclor-1260	1.1	1.1	0
Total PCBs	3.1	3.0	3

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0214**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0214**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0214**

No Sample Data Qualified in this SDG

LDC #: 34182K3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0214

Level II

Page: 1 of 1

Laboratory: Con-test Analytical Laboratory

Reviewer: [Signature]
2nd Reviewer: [Signature]

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

Table with 3 columns: Validation Area, Results, and Comments. Rows include: I. Sample receipt/Technical holding times (A/A), II. GC Instrument Performance Check (N), III. Initial calibration/ICV (N/N), IV. Continuing calibration (N), V. Laboratory Blanks (A), VI. Field blanks (N), VII. Surrogate spikes (A), VIII. Matrix spike/Matrix spike duplicates (N, C.S.), IX. Laboratory control samples (A, LCS/LCSD), X. Field duplicates (SW, D=1+040215-SMOHI-BA-R206C-M003(15D0213)), XI. Compound quantitation/RL/LOQ/LODs (N, 2+3, 4+5, 8+040215-SMOHI-BA-R206C-M012), XII. Target compound identification (N, (15D0213)), XIII. Overall assessment of data (A).

Note: A = Acceptable, N = Not provided/applicable, SW = See worksheet, ND = No compounds detected, R = Rinsate, FB = Field blank, D = Duplicate, TB = Trip blank, SB=Source blank, OTHER:

Table with 5 columns: Client ID, Lab ID, Matrix, Date. Rows 1-12 listing sample IDs (e.g., 040215-SMOHI-BA-R206C-M004) and dates (04/02/15).

Notes table with 5 columns. Handwritten entries: B118719-BLK1, B119318-BLK1.

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. oxy-Chlordane
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Mirex
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

Field Duplicates

Reviewer: *[Signature]*

2nd reviewer: *[Signature]*

METHOD: GC

N N/A
 Y N/A

Were field duplicate pairs identified in this SDG?

Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/kg)		RPD
	1	040215-SMOHI-BA P2016-M003	
<i>Y</i> Total PCBs	2.3	0.10u	200
	2.3	0.0	200

Compound	Concentration (mg/kg)		RPD
	4	5	
Z	0.85	0.81	5
AA	1.1	1.1	∅
BB	1.1	1.1	∅
Total PCBs	3.1	3.0	3

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 7, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0215

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040215-SMOHI-BA-R104-M001	15D0215-01	Product	04/02/15
040215-SMOHI-BA-R104-M002	15D0215-02	Product	04/02/15
040215-SMOHI-BA-R104-M003	15D0215-03	Product	04/02/15
040215-SMOHI-BA-R104-M004	15D0215-04	Product	04/02/15
040215-SMOHI-BA-R104-M005	15D0215-05	Product	04/02/15
040215-SMOHI-BA-R104-M006	15D0215-06	Product	04/02/15
040215-SMOHI-BA-R104-M007	15D0215-07	Product	04/02/15
040215-SMOHI-BA-R104-M008	15D0215-08	Product	04/02/15
040215-SMOHI-BA-R104-M009	15D0215-09	Product	04/02/15
040215-SMOHI-BA-R104-M010	15D0215-10	Product	04/02/15
040215-SMOHI-BA-R104-M011	15D0215-11	Product	04/02/15
040215-SMOHI-BA-R104-M012	15D0215-12	Product	04/02/15
040215-SMOHI-BA-R104-M013	15D0215-13	Product	04/02/15
040215-SMOHI-BA-R104-M014	15D0215-14	Product	04/02/15
040215-SMOHI-BA-R100-M001	15D0215-15	Product	04/02/15
040215-SMOHI-BA-R100-M002	15D0215-16	Product	04/02/15
040215-SMOHI-BA-R112A-M001	15D0215-17	Product	04/02/15
040215-SMOHI-BA-R112A-M002	15D0215-18	Product	04/02/15
040215-SMOHI-BA-R112A-M003	15D0215-19	Product	04/02/15
040215-SMOHI-BA-R112A-M004	15D0215-20	Product	04/02/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. No data were qualified for samples analyzed at greater than or equal to 5X dilution.

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040215-SMOHI-BA-R112A-M001 and 040215-SMOHI-BA-R112A-M002 were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0215**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0215**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0215**

No Sample Data Qualified in this SDG

LDC #: 34182L3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0215

Level II

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: Jm2nd Reviewer: ck**METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	SW	
VIII.	Matrix spike/Matrix spike duplicates	N	C.S.
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	ND	D = 17 + 18
XI.	Compound quantitation/RL/LOQ/LODs	N	
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB = Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040215-SMOHI-BA-R104-M001	15D0215-01	Product	04/02/15
2	040215-SMOHI-BA-R104-M002	15D0215-02	Product	04/02/15
3	040215-SMOHI-BA-R104-M003	15D0215-03	Product	04/02/15
4	040215-SMOHI-BA-R104-M004	15D0215-04	Product	04/02/15
5	040215-SMOHI-BA-R104-M005	15D0215-05	Product	04/02/15
6	040215-SMOHI-BA-R104-M006	15D0215-06	Product	04/02/15
7	040215-SMOHI-BA-R104-M007	15D0215-07	Product	04/02/15
8	040215-SMOHI-BA-R104-M008	15D0215-08	Product	04/02/15
9	040215-SMOHI-BA-R104-M009	15D0215-09	Product	04/02/15
10	040215-SMOHI-BA-R104-M010	15D0215-10	Product	04/02/15
11	040215-SMOHI-BA-R104-M011	15D0215-11	Product	04/02/15
12	040215-SMOHI-BA-R104-M012	15D0215-12	Product	04/02/15
13	040215-SMOHI-BA-R104-M013	15D0215-13	Product	04/02/15
14	040215-SMOHI-BA-R104-M014	15D0215-14	Product	04/02/15
15	040215-SMOHI-BA-R100-M001	15D0215-15	Product	04/02/15
16	040215-SMOHI-BA-R100-M002	15D0215-16	Product	04/02/15

LDC #: 34182L3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0215

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *gm*

2nd Reviewer: *aw*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040215-SMOHI-BA-R112A-M001	15D0215-17	Product	04/02/15
18	040215-SMOHI-BA-R112A-M002	15D0215-18	Product	04/02/15
19	040215-SMOHI-BA-R112A-M003	15D0215-19	Product	04/02/15
20	040215-SMOHI-BA-R112A-M004	15D0215-20	Product	04/02/15
21				
22				
23				
24				
25				

Notes:

	B119204-BLK1					
	B119350-BLK1					
	B119430-BLK1					
	B119464-BLK1					

VALIDATION FINDINGS WORKSHEET Surrogate Spikes

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081A/8082A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as N/A.

- N N/A Were surrogates spiked into all samples, standards and blanks?
- N N/A Were all DCB surrogate recoveries within advisory QC limits on each column.

Level IV/D ONLY

- N N/A Were surrogate retention times (RTs) on each column within the established RT windows for all samples, standards and blanks?

#	Date	Lab ID/Reference	Column	Surrogate %R (Limits:)		Associated Samples	Qualifications
				TCMX	DCB		
			col 1	∅ (30-150)	∅ (30-150)	17	No qual -> 200x dilution
			col 2	∅	∅	↓	
			col 1	∅	∅	18	
			col 2	∅	∅	↓	
			col 1	∅	∅	19	
			col 2	∅	∅	↓	
			col 1	∅	∅	20	
			col 2	∅	∅	↓	

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

Comments: _____

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 7, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0216

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040215-SMOHI-BA-R112-M001	15D0216-01	Product	04/02/15
040215-SMOHI-BA-R112-M002	15D0216-02	Product	04/02/15
040215-SMOHI-BA-R112-M003	15D0216-03	Product	04/02/15
040215-SMOHI-BA-R112-M004	15D0216-04	Product	04/02/15
040215-SMOHI-BA-R112-M005	15D0216-05	Product	04/02/15
040215-SMOHI-BA-R112-M006	15D0216-06	Product	04/02/15
040215-SMOHI-BA-R112-M007	15D0216-07	Product	04/02/15
040215-SMOHI-BA-R112-M008	15D0216-08	Product	04/02/15
040215-SMOHI-BA-R112-M009	15D0216-09	Product	04/02/15
040215-SMOHI-BA-R112-M010	15D0216-10	Product	04/02/15
040215-SMOHI-BA-R112-M011	15D0216-11	Product	04/02/15
040215-SMOHI-BA-R112-M012	15D0216-12	Product	04/02/15
040215-SMOHI-BA-R112-M013	15D0216-13	Product	04/02/15
040215-SMOHI-BA-R112-M014	15D0216-14	Product	04/02/15
040215-SMOHI-BA-R112-M015	15D0216-15	Product	04/02/15
040215-SMOHI-BA-R112-M016	15D0216-16	Product	04/02/15
040215-SMOHI-BA-R112-M017	15D0216-17	Product	04/02/15
040215-SMOHI-BA-R112-M004MS	15D0216-04MS	Product	04/02/15
040215-SMOHI-BA-R112-M004MSD	15D0216-04MSD	Product	04/02/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040215-SMOHI-BA-R112-M002 and 040215-SMOHI-BA-R112-M003, samples 040215-SMOHI-BA-R112-M006 and 040215-SMOHI-BA-R112-M007, samples 040215-SMOHI-BA-R112-M008 and 040215-SMOHI-BA-R112-M009, and samples 040215-SMOHI-BA-R112-M010 and 040215-SMOHI-BA-R112-M011 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	040215-SMOHI-BA-R112-M002	040215-SMOHI-BA-R112-M003	
Aroclor-1254	0.20	0.17	16
Total PCBs	0.20	0.17	16

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0216**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0216**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0216**

No Sample Data Qualified in this SDG

LDC #: 34182M3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0216

Level II

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *JK*2nd Reviewer: *ca***METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	SW	D=2+3, 6+7, 8+9, 10+11
XI.	Compound quantitation/RL/LOQ/LODs	N	
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040215-SMOHI-BA-R112-M001	15D0216-01	Product	04/02/15
2	040215-SMOHI-BA-R112-M002	15D0216-02	Product	04/02/15
3	040215-SMOHI-BA-R112-M003	15D0216-03	Product	04/02/15
4	040215-SMOHI-BA-R112-M004	15D0216-04	Product	04/02/15
5	040215-SMOHI-BA-R112-M005	15D0216-05	Product	04/02/15
6	040215-SMOHI-BA-R112-M006	15D0216-06	Product	04/02/15
7	040215-SMOHI-BA-R112-M007	15D0216-07	Product	04/02/15
8	040215-SMOHI-BA-R112-M008	15D0216-08	Product	04/02/15
9	040215-SMOHI-BA-R112-M009	15D0216-09	Product	04/02/15
10	040215-SMOHI-BA-R112-M010	15D0216-10	Product	04/02/15
11	040215-SMOHI-BA-R112-M011	15D0216-11	Product	04/02/15
12	040215-SMOHI-BA-R112-M012	15D0216-12	Product	04/02/15
13	040215-SMOHI-BA-R112-M013	15D0216-13	Product	04/02/15
14	040215-SMOHI-BA-R112-M014	15D0216-14	Product	04/02/15
15	040215-SMOHI-BA-R112-M015	15D0216-15	Product	04/02/15
16	040215-SMOHI-BA-R112-M016	15D0216-16	Product	04/02/15

LDC #: 34182M3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0216

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *[Signature]*

2nd Reviewer: *[Signature]*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040215-SMOHI-BA-R112-M017	15D0216-17	Product	04/02/15
18	040215-SMOHI-BA-R112-M004MS	15D0216-04MS	Product	04/02/15
19	040215-SMOHI-BA-R112-M004MSD	15D0216-04MSD	Product	04/02/15
20				
21				
22				
23				
24				

Notes:

	B119204-BLK1					
	B119318-BLK1					

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. oxy-Chlordane
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Mirex
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: GC

N N/A
 Y N/A

Were field duplicate pairs identified in this SDG?

Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/kg)		RPD
	2	3	
AA	0.20	0.17	16
Total PCBs	0.20	0.17	16

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 7, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0274

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040315-SMOHI-BA-REXT-M012	15D0274-01	Caulk	04/03/15
040315-SMOHI-BA-REXT-M013	15D0274-02	Caulk	04/03/15
040315-SMOHI-BA-REXT-M014	15D0274-03	Product	04/03/15
040315-SMOHI-BA-REXT-M015	15D0274-04	Caulk	04/03/15
040315-SMOHI-BA-REXT-M016	15D0274-05	Caulk	04/03/15
040315-SMOHI-BA-REXT-M017	15D0274-06	Product	04/03/15
040315-SMOHI-BA-REXT-M018	15D0274-07	Caulk	04/03/15
040315-SMOHI-BA-REXT-M019	15D0274-08	Caulk	04/03/15
040315-SMOHI-BA-REXT-M020	15D0274-09	Product	04/03/15
040315-SMOHI-BA-REXT-M021	15D0274-10	Caulk	04/03/15
040315-SMOHI-BA-REXT-M022	15D0274-11	Caulk	04/03/15
040315-SMOHI-BA-REXT-M023	15D0274-12	Caulk	04/03/15
040315-SMOHI-BA-REXT-M024	15D0274-13	Caulk	04/03/15
040315-SMOHI-BA-REXT-M025	15D0274-14	Product	04/03/15
040315-SMOHI-BA-REXT-M026	15D0274-15	Product	04/03/15
040315-SMOHI-BA-REXT-M027	15D0274-16	Product	04/03/15
040315-SMOHI-BA-REXT-M028	15D0274-17	Product	04/03/15
040315-SMOHI-BA-REXT-M020MS	15D0274-09MS	Product	04/03/15
040315-SMOHI-BA-REXT-M020MSD	15D0274-09MSD	Product	04/03/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. No data were qualified for samples analyzed at greater than or equal to 5X dilution.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040315-SMOHI-BA-REXT-M023 and 040315-SMOHI-BA-REXT-M024, samples 040315-SMOHI-BA-REXT-M025 and 040315-SMOHI-BA-REXT-M026, and samples 040315-SMOHI-BA-REXT-M027 and 040315-SMOHI-BA-REXT-M028 were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0274**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0274**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0274**

No Sample Data Qualified in this SDG

LDC #: 34182N3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0274

Level II

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *TM*2nd Reviewer: *E*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	SW	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	ND	D=12+13, 14+15, 16+17
XI.	Compound quantitation/RL/LOQ/LODs	N	
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040315-SMOHI-BA-REXT-M012	15D0274-01	Caulk	04/03/15
2	040315-SMOHI-BA-REXT-M013	15D0274-02	Caulk	04/03/15
3	040315-SMOHI-BA-REXT-M014	15D0274-03	Product	04/03/15
4	040315-SMOHI-BA-REXT-M015	15D0274-04	Caulk	04/03/15
5	040315-SMOHI-BA-REXT-M016	15D0274-05	Caulk	04/03/15
6	040315-SMOHI-BA-REXT-M017	15D0274-06	Product	04/03/15
7	040315-SMOHI-BA-REXT-M018	15D0274-07	Caulk	04/03/15
8	040315-SMOHI-BA-REXT-M019	15D0274-08	Caulk	04/03/15
9	040315-SMOHI-BA-REXT-M020	15D0274-09	Product	04/03/15
10	040315-SMOHI-BA-REXT-M021	15D0274-10	Caulk	04/03/15
11	040315-SMOHI-BA-REXT-M022	15D0274-11	Caulk	04/03/15
12	040315-SMOHI-BA-REXT-M023	15D0274-12	Caulk	04/03/15
13	040315-SMOHI-BA-REXT-M024	15D0274-13	Caulk	04/03/15
14	040315-SMOHI-BA-REXT-M025	15D0274-14	Product	04/03/15
15	040315-SMOHI-BA-REXT-M026	15D0274-15	Product	04/03/15
16	040315-SMOHI-BA-REXT-M027	15D0274-16	Product	04/03/15

LDC #: 34182N3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0274

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *SM*

2nd Reviewer: *A*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040315-SMOHI-BA-REXT-M028	15D0274-17	Product	04/03/15
18	040315-SMOHI-BA-REXT-M020MS	15D0274-09MS	Product	04/03/15
19	040315-SMOHI-BA-REXT-M020MSD	15D0274-09MSD	Product	04/03/15
20				
21				
22				
23				
24				

Notes:

B118814-BLK1				
B119290-BLK1				
B119500-BLK1				
B119502-BLK1				

VALIDATION FINDINGS WORKSHEET Surrogate Spikes

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081A/8082A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as N/A.

- N N/A Were surrogates spiked into all samples, standards and blanks?
 N N/A Were all DCB surrogate recoveries within advisory QC limits on each column.

Level IV/D ONLY

N N/A Were surrogate retention times (RTs) on each column within the established RT windows for all samples, standards and blanks?

#	Date	Lab ID/Reference	Column	Surrogate %R (Limits:)		Associated Samples	Qualifications
				TCMX	DCB		
			col 1	∅ (30-150)	∅ (30-150)	14	No qual - > 200x Dilution
			col 2	∅ ↓	∅ ↓	↓	
			col 1	∅ (30-150)	∅ (30-150)	15	↓
			col 2	∅ ↓	∅ ↓	↓	

TCX = Tetrachloro-m-xylene
 DCB = Decachlorobiphenyl

Comments: _____

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Monica HS

LDC Report Date: May 7, 2015

Parameters: Polychlorinated Biphenyls

Validation Level: Level II

Laboratory: Con-Test Analytical Laboratory

Sample Delivery Group (SDG): 15D0278

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040315-SMOHI-BA-RHALL-M001	15D0278-01	Product	04/03/15
040315-SMOHI-BA-RHALL-M002	15D0278-02	Product	04/03/15
040315-SMOHI-BA-RHALL-M003	15D0278-03	Product	04/03/15
040315-SMOHI-BA-RHALL-M004	15D0278-04	Product	04/03/15
040315-SMOHI-BA-RHALL-M005	15D0278-05	Product	04/03/15
040315-SMOHI-BA-RHALL-M006	15D0278-06	Product	04/03/15
040315-SMOHI-BA-R208-M009	15D0278-07	Product	04/03/15
040315-SMOHI-BA-R208-M010	15D0278-08	Product	04/03/15
040315-SMOHI-BA-R208-M011	15D0278-09	Product	04/03/15
040315-SMOHI-BA-R208-M012	15D0278-10	Product	04/03/15
040315-SMOHI-BA-R208-M013	15D0278-11	Caulk	04/03/15
040315-SMOHI-BA-R208-M014	15D0278-12	Product	04/03/15
040315-SMOHI-BA-R208-M015	15D0278-13	Caulk	04/03/15
040315-SMOHI-BA-R208-M016	15D0278-14	Product	04/03/15
040315-SMOHI-BA-R208-M017	15D0278-15	Paint	04/03/15
040315-SMOHI-BA-R208-M018	15D0278-16	Paint	04/03/15
040315-SMOHI-BA-R208-M019	15D0278-17	Product	04/03/15
040315-SMOHI-BA-R208-M020	15D0278-18	Product	04/03/15
040315-SMOHI-BA-R208-M021	15D0278-19	Product	04/03/15
040315-SMOHI-BA-RHALL-M001MS	15D0278-01MS	Product	04/03/15
040315-SMOHI-BA-RHALL-M001MSD	15D0278-01MSD	Product	04/03/15
040315-SMOHI-BA-RHALL-M002MS	15D0278-02MS	Product	04/03/15
040315-SMOHI-BA-RHALL-M002MSD	15D0278-02MSD	Product	04/03/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Compound	Flag	A or P
040315-SMOHI-BA-RHALL-M001MS/MSD (040315-SMOHI-BA-RHALL-M001)	Aroclor-1016	-	141 (40-140)	Aroclor-1016 Aroclor-1221 Aroclor-1232 Total PCBs	NA	-

Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040315-SMOHI-BA-RHALL-M001 and 040315-SMOHI-BA-RHALL-M003, samples 040315-SMOHI-BA-RHALL-M002 and 040315-SMOHI-BA-RHALL-M004, samples 040315-SMOHI-BA-R208-M016 and 040315-SMOHI-BA-R208-M020, and samples 040315-SMOHI-BA-R208-M021 and 040315-SMOHI-BA-R208-M022 (from SDG 15D0283) were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0278**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0278**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0278**

No Sample Data Qualified in this SDG

LDC #: 3418203b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0278

Level II

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: Ym2nd Reviewer: a**METHOD:** GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	ND	D = 1+3, 2+4, 14+16, 19+040315-SMOHI-BA-R208-M022
XI.	Compound quantitation/RL/LOQ/LODs	N	(15D0283)
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040315-SMOHI-BA-RHALL-M001	15D0278-01	Product	04/03/15
2	040315-SMOHI-BA-RHALL-M002	15D0278-02	Product	04/03/15
3	040315-SMOHI-BA-RHALL-M003	15D0278-03	Product	04/03/15
4	040315-SMOHI-BA-RHALL-M004	15D0278-04	Product	04/03/15
5	040315-SMOHI-BA-RHALL-M005	15D0278-05	Product	04/03/15
6	040315-SMOHI-BA-RHALL-M006	15D0278-06	Product	04/03/15
7	040315-SMOHI-BA-R208-M009	15D0278-07	Product	04/03/15
8	040315-SMOHI-BA-R208-M010	15D0278-08	Product	04/03/15
9	040315-SMOHI-BA-R208-M011	15D0278-09	Product	04/03/15
10	040315-SMOHI-BA-R208-M012	15D0278-10	Product	04/03/15
11	040315-SMOHI-BA-R208-M013	15D0278-11	Caulk	04/03/15
12	040315-SMOHI-BA-R208-M014	15D0278-12	Product	04/03/15
13	040315-SMOHI-BA-R208-M015	15D0278-13	Caulk	04/03/15
14	040315-SMOHI-BA-R208-M016	15D0278-14	Product	04/03/15
15	040315-SMOHI-BA-R208-M017	15D0278-15	Paint	04/03/15
16	040315-SMOHI-BA-R208-M018	15D0278-16	Paint	04/03/15

LDC #: 3418203b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0278

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *[Signature]*
2nd Reviewer: *[Signature]*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040315-SMOHI-BA-R208-M019	15D0278-17	Product	04/03/15
18	040315-SMOHI-BA-R208-M020	15D0278-18	Product	04/03/15
19	040315-SMOHI-BA-R208-M021	15D0278-19	Product	04/03/15
20	040315-SMOHI-BA-RHALL-M001MS	15D0278-01MS	Product	04/03/15
21	040315-SMOHI-BA-RHALL-M001MSD	15D0278-01MSD	Product	04/03/15
22	040315-SMOHI-BA-RHALL-M002MS	15D0278-02MS	Product	04/03/15
23	040315-SMOHI-BA-RHALL-M002MSD	15D0278-02MSD	Product	04/03/15
24				
25				
26				
27				
28				

Notes:

B119500-BLK1				
B119502-BLK1				
B119520-BLK1				

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. oxy-Chlordane
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Mirex
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Santa Monica HS
LDC Report Date: May 7, 2015
Parameters: Polychlorinated Biphenyls
Validation Level: Level II
Laboratory: Con-Test Analytical Laboratory
Sample Delivery Group (SDG): 15D0283

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
040315-SMOHI-BA-R208-M022	15D0283-01	Product	04/03/15
040315-SMOHI-BA-R10-M001	15D0283-02	Product	04/03/15
040315-SMOHI-BA-R10-M002	15D0283-03	Product	04/03/15
040315-SMOHI-BA-R10-M003	15D0283-04	Paint	04/03/15
040315-SMOHI-BA-R10-M004	15D0283-05	Caulk	04/03/15
040315-SMOHI-BA-R12-M001	15D0283-06	Product	04/03/15
040315-SMOHI-BA-REXT-M001	15D0283-07	Product	04/03/15
040315-SMOHI-BA-REXT-M002	15D0283-08	Product	04/03/15
040315-SMOHI-BA-REXT-M003	15D0283-09	Caulk	04/03/15
040315-SMOHI-BA-REXT-M004	15D0283-10	Caulk	04/03/15
040315-SMOHI-BA-REXT-M005	15D0283-11	Caulk	04/03/15
040315-SMOHI-BA-REXT-M006	15D0283-12	Caulk	04/03/15
040315-SMOHI-BA-REXT-M007	15D0283-13	Caulk	04/03/15
040315-SMOHI-BA-REXT-M008	15D0283-14	Caulk	04/03/15
040315-SMOHI-BA-REXT-M009	15D0283-15	Caulk	04/03/15
040315-SMOHI-BA-REXT-M010	15D0283-16	Product	04/03/15
040315-SMOHI-BA-REXT-M011	15D0283-17	Product	04/03/15
040315-SMOHI-BA-REXT-M007MS	15D0283-13MS	Caulk	04/03/15
040315-SMOHI-BA-REXT-M007MSD	15D0283-13MSD	Caulk	04/03/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082A

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detect): The compound or analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

III. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

Samples 040315-SMOHI-BA-R208-M022 and 040315-SMOHI-BA-R208-M021 (from SDG 15D0278), samples 040315-SMOHI-BA-R10-M001 and 040315-SMOHI-BA-R10-M002, samples 040315-SMOHI-BA-REXT-M001 and 040315-SMOHI-BA-REXT-M002, samples 040315-SMOHI-BA-REXT-M003 and 040315-SMOHI-BA-REXT-M004, samples 040315-SMOHI-BA-REXT-M005 and 040315-SMOHI-BA-REXT-M006, and samples 040315-SMOHI-BA-REXT-M007 and 040315-SMOHI-BA-REXT-M008 were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Level II validation.

XI. Target Compound Identification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

**Santa Monica HS
Polychlorinated Biphenyls - Data Qualification Summary - SDG 15D0283**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
15D0283**

No Sample Data Qualified in this SDG

**Santa Monica HS
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG
15D0283**

No Sample Data Qualified in this SDG

LDC #: 34182P3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0283

Level II

Page: 1 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *Ym*2nd Reviewer: *A*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	ND	D=1 + 040315-SMOHI-BA-R208-M021 (15D0278)
XI.	Compound quantitation/RL/LOQ/LODs	N	2+3, 7+8, 9+10, 11+12, 13+14,
XII.	Target compound identification	N	
XIII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	040315-SMOHI-BA-R208-M022	15D0283-01	Product	04/03/15
2	040315-SMOHI-BA-R10-M001	15D0283-02	Product	04/03/15
3	040315-SMOHI-BA-R10-M002	15D0283-03	Product	04/03/15
4	040315-SMOHI-BA-R10-M003	15D0283-04	Paint	04/03/15
5	040315-SMOHI-BA-R10-M004	15D0283-05	Caulk	04/03/15
6	040315-SMOHI-BA-R12-M001	15D0283-06	Product	04/03/15
7	040315-SMOHI-BA-REXT-M001	15D0283-07	Product	04/03/15
8	040315-SMOHI-BA-REXT-M002	15D0283-08	Product	04/03/15
9	040315-SMOHI-BA-REXT-M003	15D0283-09	Caulk	04/03/15
10	040315-SMOHI-BA-REXT-M004	15D0283-10	Caulk	04/03/15
11	040315-SMOHI-BA-REXT-M005	15D0283-11	Caulk	04/03/15
12	040315-SMOHI-BA-REXT-M006	15D0283-12	Caulk	04/03/15
13	040315-SMOHI-BA-REXT-M007	15D0283-13	Caulk	04/03/15
14	040315-SMOHI-BA-REXT-M008	15D0283-14	Caulk	04/03/15
15	040315-SMOHI-BA-REXT-M009	15D0283-15	Caulk	04/03/15
16	040315-SMOHI-BA-REXT-M010	15D0283-16	Product	04/03/15

LDC #: 34182P3b

VALIDATION COMPLETENESS WORKSHEET

Date: 5-4-15

SDG #: 15D0283

Level II

Page: 2 of 2

Laboratory: Con-test Analytical Laboratory

Reviewer: *[Signature]*

2nd Reviewer: *[Signature]*

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

	Client ID	Lab ID	Matrix	Date
17	040315-SMOHI-BA-REXT-M011	15D0283-17	Product	04/03/15
18	040315-SMOHI-BA-REXT-M007MS	15D0283-13MS	Caulk	04/03/15
19	040315-SMOHI-BA-REXT-M007MSD	15D0283-13MSD	Caulk	04/03/15
20				
21				
22				
23				
24				

Notes:

B118864-BLK1	B119520-BLK1			
B119430-BLK1	B119542-BLK1			
B119500-BLK1	B119558-BLK1			
B119502-BLK1				

APPENDIX D
WASTE MANIFESTS

UNIFORM HAZARDOUS WASTE MANIFEST 1. Generator ID Number **CAL000258025** 2. Page 1 of **1** 3. Emergency Response Phone **(800) 483-3718** 4. Manifest Tracking Number **008313504 FLE**

5. Generator's Name and Mailing Address: **Santa Monica - Malibu Unified School District**
Santa Monica - Malibu Unified School District 1651 Sixt
Santa Monica, CA 90404
 Generator's Site Address (if different than mailing address): **Santa Monica High School 601 Pico Boulevard**
Santa Monica, CA 90405

6. Transporter 1 Company Name: **Clean Harbors Environmental Services Inc** U.S. EPA ID Number: **MAD03932250**

7. Transporter 2 Company Name: **SCT** U.S. EPA ID Number: **AZP000513770**

8. Designated Facility Name and Site Address: **Clean Harbors Grassy Mountain LLC**
3 Miles East 7 Miles North of Knolls
Grantsville, UT 84029 U.S. EPA ID Number: **UTD991301748**
 Facility's Phone: **(435) 884-8900**

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	UN3432, POLYCHLORINATED BIPHENYLS, SOLID, (PRE-DEBRIS), 9, PG III, NONE, NON PCB HAZARDOUS WASTE SOLIDS, (Demo Debris)	1	DM	40	K	261		
2.								
3.								
4.								

14. Special Handling Instructions and Additional Information: **1. CH974268SC** **ERG#171 1X55 PM**
CH107554
Box # 5517

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offereor's Printed/Typed Name: **Ramiro Equihua** Signature: **[Signature]** Month: **4** Day: **29** Year: **15**

GENERATOR

16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: **Ramiro Equihua** Signature: **[Signature]** Month: **4** Day: **29** Year: **15**
 Transporter 2 Printed/Typed Name: **Eddie Orofino** Signature: **[Signature]** Month: **05** Day: **04** Year: **15**

18. Discrepancy
 18a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection
corrected profile + DOT shipping name per Jason Bald @smmusa SCT 7/21/15
 Manifest Reference Number: _____ U.S. EPA ID Number: _____

DESIGNATED FACILITY

18b. Alternate Facility (or Generator) Facility's Phone: _____
 18c. Signature of Alternate Facility (or Generator) Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
 1. **H132** 2. _____ 3. _____ 4. _____

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
 Printed/Typed Name: **Joey Hamilton** Signature: **[Signature]** Month: **12** Day: **31** Year: **15**