Site-Specific PCB-Related Remediation Plan

Building C (Library)
Edison Elementary School
2425 Kansas Avenue
Santa Monica, CA

Prepared for:
Santa Monica-Malibu Unified School District
Santa Monica, California

Prepared by:
ENVIRON International Corporation
Westford, Massachusetts,
San Francisco and Irvine, California

Date:
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Project Number:
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ENVIRON

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Acronyms and Abbreviations

Cal/OSHA	California Division of Occupational Safety and Health
CFR	Code of Federal Regulation
cm^2	square centimeter(s)
DOT	Department of Transportation
DTSC	California Department of Toxic Substances Control
EES	Edison Elementary School
ENVIRON	ENVIRON International Corporation
HEPA	high-efficiency particulate air
mg/m^3	milligram(s) per cubic meter
MS/MSD	matrix spike and matrix spike duplicate
PCB	polychlorinated biphenyl
PEA	preliminary environmental assessment
PEL	permissible exposure limit
PPE	personal protective equipment
ppm	parts per million
QA/QC	quality assurance/quality control
SMMUSD or District	Santa Monica-Malibu Unified School District
SOP	Standard Operating Procedure
TWA	time-weighted average
TSCA	Toxic Substances Control Act
USEPA	United States Environmental Protection Agency

1 Edison Elementary School Site-Specific PCB Plan

1.1 Introduction

On behalf of the Santa Monica – Malibu Unified School District (SMMUSD or the District), ENVIRON International Corporation (ENVIRON) has prepared this Site-Specific Polychlorinated Biphenyl (PCB)-Related Remediation Plan (Site-Specific Plan) for three window units in Building C (also known as the Library) at the Edison Elementary School (EES), located at 2425 Kansas Avenue, Santa Monica, California as requested by United States Environmental Protection Agency (USEPA) Region IX.[1] A site location map and site plan of EES indicating the location of Building C is provided as Figures 1 and 2, respectively.

All buildings of the former EES are scheduled for demolition. In preparation for the planned demolition and due to the age of buildings at EES, ENVIRON collected samples of various buildings materials at all the buildings of the former EES and analyzed such for PCBs. This Site-Specific Plan addresses three window units at Building C of EES (shown in Figure 3), the only areas where PCBs were identified in building material samples at concentrations ≥50 milligrams per kilogram (mg/kg). This Site-Specific Plan describes procedures for remediation of Building C building materials in which PCBs have been identified at ≥50 mg/kg in accordance with guidance from USEPA Region IX, and the Toxic Substances Control Act (TSCA) 40 Code of Federal Regulations (CFR) 761.

Based on sampling performed by ENVIRON to date, all sampled surfacing materials (asphalt, concrete and playground material) were non-detect for PCBs and no soils were identified with PCB concentrations >1 mg/kg, with the highest detection of 0.09 mg/kg. A report documenting the sample results from the initial characterization of all buildings at EES is currently under preparation.

Building materials containing PCBs at concentrations ≥50 mg/kg in the three window units areas in Building C will be remediated in accordance with the procedures in this Site-Specific Plan. Section 2 provides a summary of PCB sampling activities at EES performed to date and the results associated with the three window units in, and the soils around, Building C. Section 3 provides further details anticipated to be implemented for removing and disposing of PCB-impacted media from Building C at EES based on current USEPA regulations and guidance. ENVIRON notes that most of the procedures described in Section 3 are based on the remediation procedures in ENVIRON's July 2014 *Site-Specific PCB-Related Building Materials Management, Characterization and Remediation Plan for the Library and Building E Rooms 1, 5, and 8 at Malibu High School* (ENVIRON, 2014b) approved, as supplemented (*Supplemental Removal Information for the Library, Building E - Rooms 1, 5, and 8 and Building G - Room 506 at Malibu High School;* ENVIRON, 2014a), by USEPA Region IX (USEPA, 2014).

Currently, the timing for beginning removal of ≥50 mg/kg PCB-impacted building materials identified at EES is anticipated for mid-December 2014. As further described below, the District intends to conduct this remediation in accordance with 40 CFR 761.62 and 40 CFR 761.61(a)

[1]November 7, 2014 telephone communication with Ms. Carmen Santos, EPA Region IX PCB Coordinator.

and (c). The written certification signed by the District, as required under 40 CFR 761.61(a)(3)(i)(E), is included in Appendix A.

This Site-Specific Plan will be implemented by the District as the owner and operator of the buildings. The District will contract with a qualified remediation contractor to conduct the work detailed in this Plan prior to the planned demolition. All PCB testing will be conducted by a qualified environmental consultant under contract to the District. The District's contact information is below:

Ms. Sandra Lyon, Superintendent
Santa Monica Malibu Unified School District
1651 Sixteenth Street
Santa Monica, CA 90404
310-450-8338 ext. 70229

1.2 Background Information

SMMUSD owns and operated EES. According to available information, the earliest school buildings at EES were constructed in 1950 with subsequent buildings constructed in 1951, 1954, and 1969. In 1993, new relocatable classroom buildings were added and many existing buildings were renovated. An addition to Building C (library) was constructed in 2000. SMMUSD has constructed a replacement elementary school, the Edison Language Academy, and no longer uses the original EES buildings at the Site. Therefore, demolition of EES, including Building C, is now proposed to begin in December 2014.

2 Summary of Previous PCB Investigation Results

2.1 Initial Building Material Characterization Sampling

Between July 8 and July 12, 2014, ENVIRON personnel inspected and photographed each building and room at EES. ENVIRON personnel then sampled potential PCB-impacted building materials in accordance with the USEPA Region I Standard Operating Procedure (SOP) for *Sampling Porous Surfaces for Polychlorinated Biphenyls* (May 2011). In general, the following building materials evaluated for PCBs: light ballasts, caulking, glazing, gaskets/seals, flooring, ceiling tiles, interior paints/wall coverings, and exterior paints.

Samples were packaged, labeled using a unique identification number, stored on ice in coolers, and shipped under standard chain-of-custody procedures to ALS Environmental's Salt Lake City, Utah laboratory, which is accredited by the American Industrial Hygiene Association Laboratory Accreditation Programs LLC (AIHA-LAP, LLC) as well as by the National Environmental Laboratory Accreditation Conference (NELAC). In the laboratory, the samples were prepared/extracted in accordance with USEPA Method 3550 (ultrasonic extraction) and analyzed in accordance with USEPA Method 8082 (gas chromatography), which is consistent with the analytical requirements of 40 CFR 761.61.

A report documenting the sample results from the initial characterization of all buildings at EES is currently under preparation. Based on the characterization sampling, the only building materials identified with ≥50 mg/kg PCBs were in Building C (Library) of EES; specifically, in window gaskets and window caulking at three window units. PCB concentrations ranged from 37 to 280 mg/kg and 3.8 to 57 mg/kg in window gaskets and window caulking, respectively.

A summary of the PCB characterization sampling results in window bank areas covered by this Site-Specific Plan is provided in Table 1 and sampling locations are depicted on Figure 3. Photographs of sampled building materials are provided in Appendix B.

2.2 Delineation Sampling of Adjacent Building Materials

After identification of building materials with ≥50 mg/kg PCBs, a "pilot study" for delineation of PCBs within the porous substrates in contact with the ≥50 mg/kg materials was conducted on October 7 and 14, 2014 after consultation with USEPA[2]. Porous substrates identified were sheetrock (interior of building) and stucco (exterior of building). ENVIRON personnel collected samples in accordance with the USEPA Region I SOP for *Sampling Porous Surfaces for Polychlorinated Biphenyls* (May 2011). In general, samples were collected at windows A through L shown in Figure 3 at a distance of 0", 3" and 12" away from the window sill and at a depth of 0-0.5". In general, samples collected at distances of 0", 3" and 12", were labelled as A, B and C, respectively.

Samples were packaged, labeled using a unique identification number, stored on ice in coolers, and shipped under standard chain-of-custody procedures to ALS Environmental's Salt Lake

[2] October 3, 2014 and October 10, 2014 telephone communications with Ms. Carmen Santos, EPA Region IX PCB Coordinator.

City, Utah laboratory, which is accredited by AIHA-LAP, LLC as well as by NELAC. In the laboratory, the samples were prepared in accordance with USEPA Method 3550 (ultrasonic extraction) and analyzed in accordance with USEPA Method 8082 (gas chromatography).

Because the "A" delineation samples were located closest to the ≥50 mg/kg materials, ENVIRON had all of the "A" delineation samples analyzed first. If PCBs were detected >1 mg/kg at the "A" location, then the "B" samples were analyzed. However, if the "A" sample was ≤1 mg/kg, then the "B" and "C" samples were not analyzed as the delineation of ≤1 mg/kg had been achieved. Similarly, after running the "B" samples, a decision was made as to whether to run the "C" samples, based on the ≤1 mg/kg delineation goal.

A summary of the USEPA requested delineation PCB sampling results is provided in Table 1 and sampling locations are depicted on Figure 3. Photographs of sampled building materials are provided in Appendix B. PCB concentrations ranged from non-detect to 9.4 mg/kg and non-detect to 0.53 mg/kg in sheetrock (interior of building) and stucco (exterior of building), respectively. Based on the results of the "pilot study", PCB concentrations were observed to attenuate to ≤1 mg/kg with increasing distance away from the windows at all locations, with the exception of window F where 1.1 mg/kg was detected at a distance of 12 inches away from the window.

2.3 Sampling of Materials at Ground Surface

At USEPA's request[3], on October 7, 2014, ENVIRON collected exterior surface materials samples beneath windows A through L, which consisted of asphalt, concrete, and a rubber playground material adjacent to the northeast side of Building C. These samples were collected from approximately 0-3 inches below ground surface (bgs). A summary of the PCB sampling results is provided in Table 2 and a figure showing sampling locations is provided as Figure 4. Photographs of the ground surface areas sampled for PCBs are provided in Appendix B. PCB concentrations in exterior surface samples were all non-detect.

No soil was exposed at ground surface in proximity to Building C, and as stated above, testing of asphalt, concrete, and rubber material indicated non-detect concentrations of PCBs; therefore soil beneath the surface covering would not be expected to contain PCBs. However, soil samples were obtained immediately below these surface coverings on October 14, 2014 at USEPA's request[4]. Shallow soil samples were obtained below windows A through L beneath asphalt, concrete and rubber playground material. These soil samples were collected at the soil surface, which was approximately 7-9, 4-6 and 5-7 inches bgs, respectively. A summary of the PCB sampling results is provided in Table 2 and a figure showing sampling locations is provided as Figure 4. PCBs were detected, at a concentration slightly above the reporting limit (0.09 mg/kg) in one soil sample, and were not detected in any of the remaining soil samples.

[3] October 3, 2014 telephone communication with Ms. Carmen Santos, EPA Region IX PCB Coordinator

[4] October 10, 2014 telephone communication with Ms. Carmen Santos, EPA Region IX PCB Coordinator.

2.4 Field Quality Control Procedures

In addition to the primary samples, ENVIRON collected field duplicate samples for each building material type with a minimum frequency of 1 per 20 primary samples, which is consistent with USEPA protocol for quality assurance/quality control (QA/QC) purposes. In addition, ENVIRON provided the laboratory with sufficient sample material to conduct matrix spike and matrix spike duplicate (MS/MSD) analyses on ten percent of the total samples.

2.5 Laboratory Quality Control and Data Validation

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

ENVIRON conducted an internal data validation to assess the validity and usability of the laboratory analytical data (QA/QC evaluation). The analytical data were evaluated based on the following document: USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008).

The QA/QC evaluation was based on precision, accuracy, representativeness, completeness and comparability relative to the project data quality objectives. The data quality objectives for this evaluation centered around evaluation of all PCB sampling data relative to the 1 and 50 mg/kg TSCA thresholds. A quantitative and qualitative assessment of the data was performed for potential sources of error, uncertainty, and bias that may affect the overall usability of the data.

Based on the results of the QA/QC evaluation, ENVIRON concluded that the data are usable for their intended purpose. Some data are qualified as estimated due to the inability to meet all QC criteria. Data qualifications are shown on Table 1 where appropriate. A copy of ENVIRON's data validation reports are provided in Appendix C.

2.6 Data Summary

In summary, ≥50 mg/kg PCBs were identified in window caulk and window gaskets at three window units in Building C of EES. The delineation sampling "pilot study" performed on the adjacent building materials in the window sills beneath windows A through L demonstrated attenuation of PCB concentrations with increasing distance from the window sill. PCB concentrations at windows A through L were observed to attenuate to ≤1 mg/kg at a distance of 12 inches (or less) away from the windows, with the exception of window F where 1.1 mg/kg was detected at a distance of 12 inches. No PCBs were detected in samples of soil, concrete, rubber playground material, or asphalt at >1 mg/kg.

3 Proposed ≥50 mg/kg PCB Removal/Remediation Procedures

This Site-Specific Plan has been developed to establish procedures for removing, cleaning up, and disposing of PCB-impacted media at three window units in Building C at EES. Most of the procedures described below are consistent with ENVIRON's July 2014 *Site-Specific PCB-Related Building Materials Management, Characterization and Remediation Plan for the Library and Building E Rooms 1, 5, and 8 at Malibu High School* (ENVIRON, 2014b) approved, as supplemented (*Supplemental Removal Information for the Library, Building E - Rooms 1, 5, and 8 and Building G - Room 506 at Malibu High School;* ENVIRON, 2014a), by USEPA Region IX (USEPA, 2014). Specifically, the sections on engineering controls, air monitoring during removal, contingency planning, data validation, waste management and disposal, reporting, and recordkeeping and documentation are as generally as described in ENVIRON's July 2014 document.

Throughout implementation and upon its completion, each step of the remediation will be evaluated to determine whether any plan modifications should be made prior to continuing with the remedy implementation in other areas. This section describes the proposed remedial activities anticipated to be implemented for each of the potentially affected media.

3.1 Summary of Remediation Plan

PCBs ≥50 mg/kg were identified in window caulk and window gaskets in three window units in Building C of EES. A conceptual drawing showing the proposed remediation areas is provided as Figure 5. To remediate PCB-impacted building materials, the following activities are proposed:

- Remove the windows and 12 inches of building materials from above, below and to the sides of the windows A through L. These removed materials will be disposed as PCB Bulk Product Waste; and

- At window F only, remove an additional 2 inches of building materials below, above and to the side of window F to a distance of 14 inches. This removed material will be disposed as PCB Bulk Product Waste.

- After removal of the windows and surrounding building materials, no additional confirmatory sampling is proposed as ≤1 mg/kg PCBs will remain in the adjacent substrates. This approach is consistent with the results of the "pilot study" delineation sampling described above in section 2.2, and was verbally approved by USEPA[5].

Matrix Environmental (Matrix) of Long Beach, CA has been selected by SMMUSD to perform remediation services for the PCB-impacted building materials. Matrix will be performing all the activities described in the remainder of this section unless specified otherwise below.

[5] November 20, 2014 telephone communication with Ms. Carmen Santos, EPA Region IX PCB Coordinator.

3.2 Remediation Goals

The remediation plan proposed herein is a combination of a removal and off-site disposal of PCB Bulk Product Waste under 40 CFR 761.62 with a self-implementing remediation and disposal of PCB Remediation Waste under 40 CFR 761.61(a) and (c). The remediation goal for total PCBs in bulk PCB remediation waste will be 1 mg/kg.

3.3 Engineering Controls

Prior to implementing removal or remediation procedures, engineering controls will be put in place by Matrix to prevent the migration of PCBs and PCB-impacted materials from work areas. Engineering controls will include polyethylene sheeting to control and catch debris, wetting material prior to handling, and work practices to minimize dust generation.

An integral step in implementing protective measures is to assign a containment area for each distinct abatement area. The containment area size and construction will be proportionate to the activities that will be conducted (i.e., amount of dust generation expected). Containment structures will be constructed by Matrix within the containment area at each location where abatement is performed and in a manner that minimizes airborne dust from spreading outside the abatement area. For example, a containment structure can be constructed of poly sheeting draped over existing building features and/or support frames built specifically for the containment area. The containment area will be maintained by Matrix under negative air pressure by installing an induced draft fan equipped with HEPA filters to minimize dust particles from being carried out of the containment area. The filtered exhaust from the fan will be routed outside the containment area and vented outside of the building.

Dust monitoring immediately outside the containment structures will be conducted by Matrix. All powered tools will also be equipped with appropriate tool guards and dust/debris collection systems with HEPA filters. Specific engineering controls for dust monitoring are described in more detail in Section 3.4.

3.4 Air Monitoring

Air monitoring stations will be established by Matrix at the perimeter of the designated work area (outside containments). Air monitoring will be conducted by Matrix at all times during PCB remediation activities and air monitoring data will be reviewed by Matrix a minimum of once per hour during the completion of work. The logged data will be downloaded and reviewed daily by Matrix, so that changes to the work practices can be recommended based on observable trends in airborne dust concentration. Air monitoring equipment will be calibrated by Matrix according to manufacturer's specifications.

To verify the effectiveness of dust minimization engineering controls, air monitoring for respirable airborne particulates will be conducted by Matrix using data-logging, real time monitors. The following the California Division of Occupational Safety and Health (Cal/OSHA) permissible exposure limits (PELs), based on an 8-hour, time-weighted average (8-hour TWA) will be considered applicable to this work:

- Total Dust: 10 milligrams per cubic meter (mg/m^3)

- Respirable Fraction: 5 mg/m^3
- PCBs (Aroclor 1242): 1 mg/m^3
- PCBs (Aroclor 1254): 0.5 mg/m^3

A total airborne particulate action limit has been established for the PCB remediation work to be conducted at the site with consideration of the specific receptors, PCB concentrations, work activities, and Cal/OSHA permissible exposure limits. The action limit applies only to air monitoring at the perimeter of the work zone (outside containments); an action limit has not been set for the active work zones (exclusion zones) as engineering controls will be used within these zones.

An action limit of 0.1 mg/m^3 total dust above background (an order of magnitude below the Cal/OSHA 8 hour TWA) will be maintained during site work at the perimeter of the work zone (outside containments). Air monitoring at a location representative of background air conditions (i.e., an area outside of the containment engineering controls) will be conducted by Matrix at the same frequency as the monitoring to obtain data representative of real-time background conditions. The action limit will be used to determine if and when additional engineering controls and/or work stoppages would be necessary.

Should the action level be exceeded during remediation, remediation activities shall cease until work practices can be evaluated and adjusted. ENVIRON and Matrix will then evaluate work procedures and recommend additional engineering controls or modified work practices to control dust generation. Any recommended changes to work practices will be documented. It is noted that the Cal/OSHA standards are based on an 8-hour TWA. Therefore, instantaneous exceedances of the action level and/or the standards listed above will not necessarily indicate an exceedance of the PEL.

3.5 Summary of Remediation Procedures by Media

This section describes the specific remediation procedures that have been established for each type of PCB-impacted material.

3.5.1 Window Caulking and Surrounding Building Materials

Caulking with ≥50 mg/kg PCBs was identified around the exterior of windows of Building C and will be disposed as PCB Bulk Product Waste. In addition, building materials directly adjacent to the PCB-impacted window caulking were identified as containing >1 and <50 mg/kg PCBs. These materials will be removed along with the windows and disposed as PCB Bulk Product Waste.

- Surface preparation for building material removal by Matrix will include surficial wetting of visibly dry and/or deteriorating material to minimize dust generation.
- Polyethylene sheeting will be placed on the ground surface and removal will be conducted by Matrix using hand tools to achieve removal to the maximum extent practicable while minimizing dust or other airborne particulates generated from caulking or adjacent materials. One foot (12 inches) of building material will be removed by Matrix

from below, above, and to the sides of the window units, along with the window units identified as Windows A through L[6]. In addition, at Window F only, removal of interior building materials will extend to 14 inches below, above and to the side of this window.

- Wet wiping and/or vacuuming of all tools and equipment in the work area will be performed by Matrix at the completion of the work activity.
- During the project, equipment and tools used in the removal will be decontaminated by Matrix through spraying and wet wiping. At the completion of the project, any non-disposable equipment and tools that handled PCB material will be decontaminated by Matrix following the procedures described in 40 CFR 761.79.
- All removed materials will be stored by Matrix on site in lined, marked, and covered roll-off containers or Department of Transportation (DOT) 55-gallon drums prior to off-site disposal as PCB Bulk Product Waste.

3.5.2 Window Gaskets

Gaskets with ≥50 mg/kg PCBs were identified in the interior portions of the windows of Building C. Remediation procedures for the gaskets are provided below.

- As described above, the PCB-impacted windows are being removed by Matrix and transported for off-site disposal as PCB Bulk Product Waste. As the entire window is being disposed as PCB Bulk Product Waste, the gaskets too will be transported for off-site disposal.

3.6 Proposed Procedures for Decontamination of Substrate in Contact with ≥50 mg/kg Materials

Although nonporous surfaces are not expected to be encountered during the remediation, due to the known configuration of building materials, procedures for decontamination are provided below as a contingency. The task described below includes decontamination of nonporous materials adjacent to ≥50 mg/kg PCB-impacted materials.

- When possible, all nonporous materials to be decontaminated will be disassembled and transported to a secure decontamination area and staged on polyethylene sheeting. If the material cannot be easily removed, the decontamination area will be lined with polyethylene sheeting in a manner designed to contain all liquids generated from the decontamination process.
- Material will be decontaminated by Matrix via chemical washing with a chemical extraction solvent following the manufacturer's recommended procedures for hand applications: the product will be applied and scrubbed using hand brushes; during the agitation, the surface of the material will be kept wet with the chemical extraction solvent at all times. Following the five-minute dwell time, all free liquid will be vacuumed from the surface; a layer of rinse water will be applied to the material and then vacuumed; this

[6] Note that some samples of the window caulk and window gasket samples from Building C (i.e., windows G through K) were confirmed to contain <50 mg/kg PCBs. However, due to the variability of the data, and the suspected installation of these windows at the same time as those where ≥50 mg/kg PCBs were detected (i.e., windows A through F), all windows will be handled as PCB Bulk Product Waste.

procedure will be repeated three times followed by a triple water rinse after the final application.

- Surface wipe samples will then be collected by ENVIRON in accordance with the standard wipe test as defined in 40 CFR 761.123.

3.7 Contingency Plan

If wider distributions of suspected ≥50 ppm PCB-containing building materials are found, or other obstacles force changes in the remediation approach, remediation contingencies will be developed in consultation with USEPA Region IX for approval prior to implementation.

3.8 Data Validation

A data quality and data usability assessment of all samples will be completed. The data review will be conducted by ENVIRON in accordance with USEPA protocols. This review will include a completeness check of field documentation including sample collection and preservation methods, a completeness check of the laboratory data and documentation, a review of the internal laboratory QA/QC procedures and results including surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) results, blank results, and laboratory control standard results, and an evaluation of sample holding times, and field duplicate results. Upon receiving the data validation summaries, any qualifiers applied to the data will be added to the data summary tables presented in the final report.

3.9 Waste Management and Disposal

Waste management and disposal includes on-site handling, accumulation, containerizing, and labeling, and off-site transporting (including providing and preparing manifests, bills of lading, etc.) and disposing of PCB waste streams. The PCB waste streams will be transported via a licensed waste hauler to a permitted hazardous waste disposal facility as outlined below.

Secure, lined, and covered waste containers (roll-off containers or equivalent) or 55-gallon DOT-approved steel containers will be staged for the collection of PCB wastes generated during the work activities in accordance with applicable requirements in 40 CFR 761.65 and 40 CFR 761, Subpart K. All containers will be properly labeled and marked in accordance with 40 CFR 761.40 and 22 CCR 66262.34.

Upon completion of waste profiling and acceptance at the respective facilities, all PCB Bulk Product Waste will be transported for disposal under a manifest to a disposal facility in accordance with 40 CFR 761.62 and 22 CCR 66262.23.

Water generated by Matrix during decontamination (or as part of dust suppression) that is collected on polyethylene sheeting will be containerized on site, sampled for PCBs and other potential constituents, and designated for off-site disposal in accordance with 40 CFR 761.79 and/or California hazardous waste regulations, as applicable. Polyethylene sheeting, PPE, and non-liquid cleaning materials will be managed and disposed of offsite in accordance with 40 CFR 761.61(a)(5)(v).

3.10 Recordkeeping and Documentation

Following completion of the work activities, applicable records and documents per 40 CFR 761 will be generated and maintained at one location. A remediation report will be prepared by ENVIRON which will contain a detailed description of remediation activities. In addition, the report will include volumes of disposed materials, and all waste disposal records as provided by Matrix. The remediation report will be prepared to provide an accounting of activities performed and documentation necessary to support the conclusion that the remedial activities met the objectives of the project. The report will be submitted to USEPA-Region IX for review and ultimate approval.

The final remediation report will also be available to the public upon request.

3.11 Certification

As required by 40 CFR 761.61(a)(3)(i)(E), a written certification is provided in Appendix A. This certification is signed by both the owner of the property where the remediation site is located, and the party responsible for conducting the remediation, and states that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the remediation site, are on file at the location designated in the certificate, and are available for USEPA inspection.

4 References

ENVIRON. 2014a. *Supplemental Removal Information for the Library, Building E - Rooms 1, 5, and 8 and Building G - Room 506 at Malibu High School.* September 26. Available online: http://smmusd.org/PublicNotices/MHSSuppRemovalSSP092614.pdf.

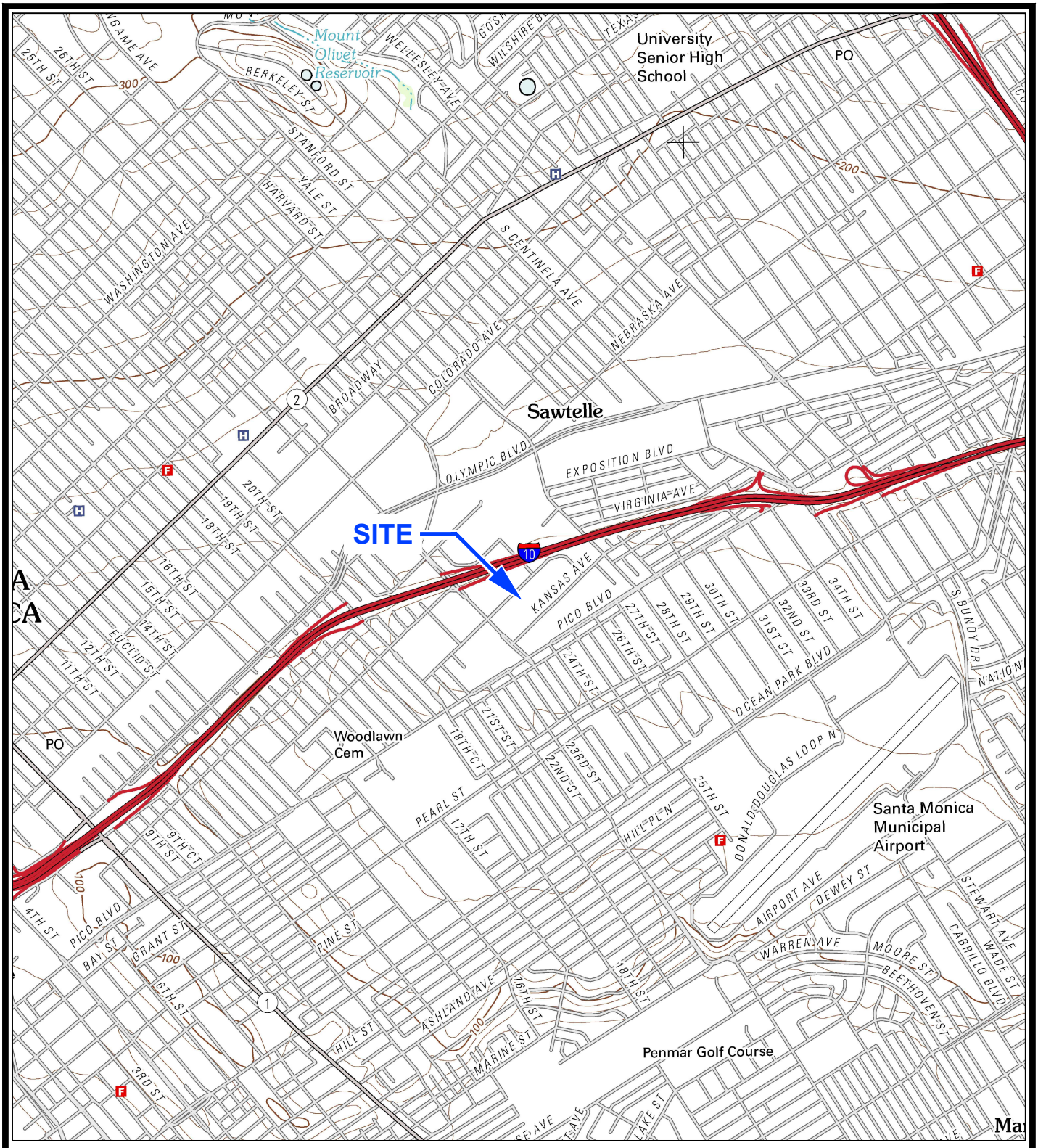
ENVIRON. 2014b. *Site-Specific PCB-Related Building Materials Management, Characterization and Remediation Plan for the Library and Building E Rooms 1, 5, and 8 at Malibu High School*. July 3. Available online: http://www.smmusd.org/PublicNotices/PCBRemediationPlan070314.pdf.

USEPA, 2014. Letter from Jared Blumenfeld/USEPA to Sandra Lyon/SMMUSD. October 31.

USEPA, 2011. Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls. May.

USEPA. 2008. *National Functional Guidelines for Superfund Organic Methods Data Review.* June. Available online: http://www.epa.gov/superfund/programs/clp/download/somnfg.pdf.

Figures



0 1/2 1

Scale in Miles

2000 0 2000 4000

Scale in Feet

N

SOURCE:
USGS QUAD MAP: BY NATIONAL MAP VIEWER. USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE; BEVERLY HILLS, CA. MAP CURRENT AS OF 2012.

ENVIRON

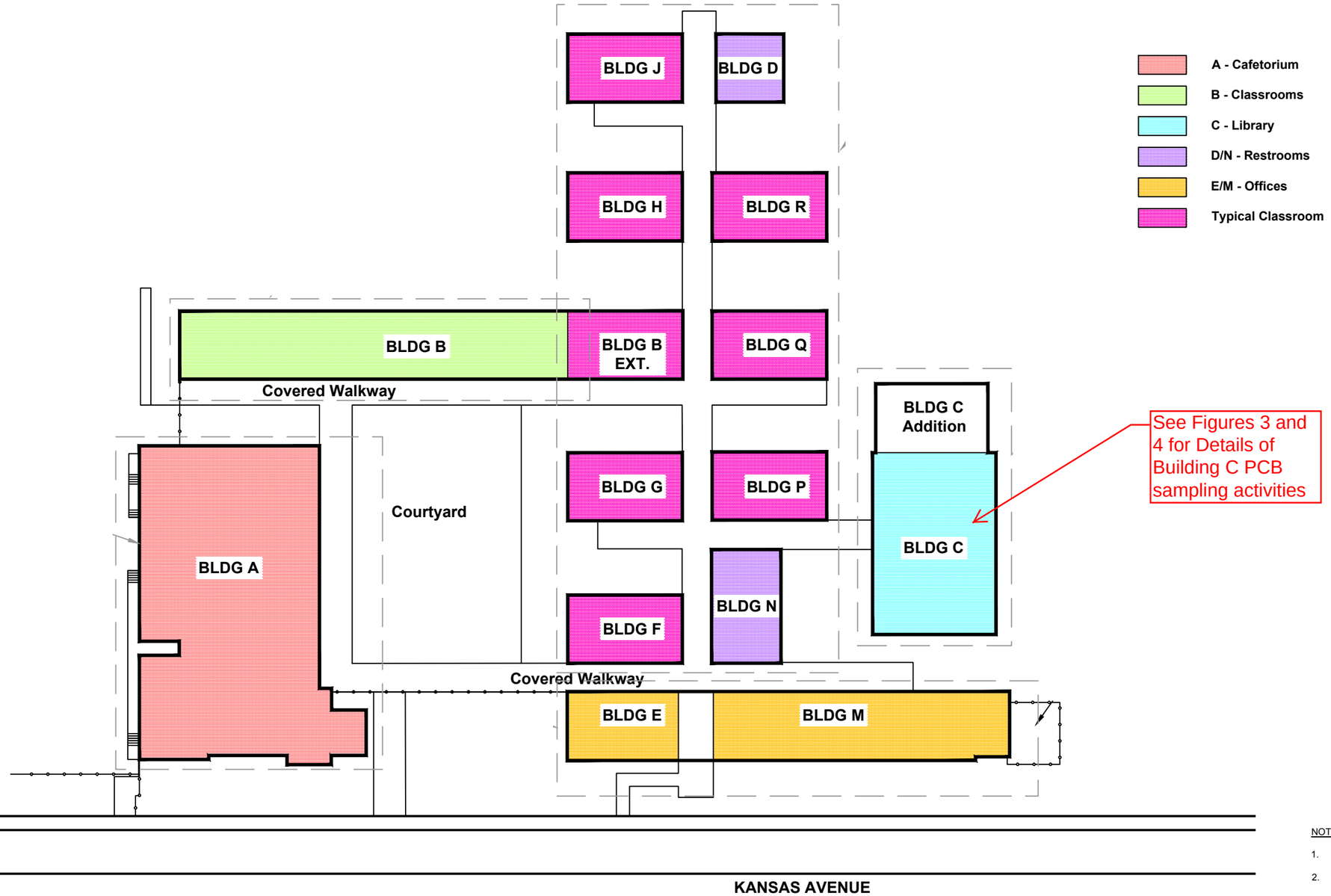
DRAFTED BY: JPH

DATE: July 2014

Site Location Map
Edison Elementary School
2425 Kansas Avenue
Santa Monica, California

FIGURE
1

JHN\ATKO 7/25/14 [FIGURE1] N:\ACTIVE PROJECTS\CAD\SMMUSD



NOTES:

1. Scale and all locations are approximate. Drawing is suitable for design or construction.
2. Created from Drawing No. A-1.1 - Site Plan by Sverdrup CRSS, dated April 7, 2000.

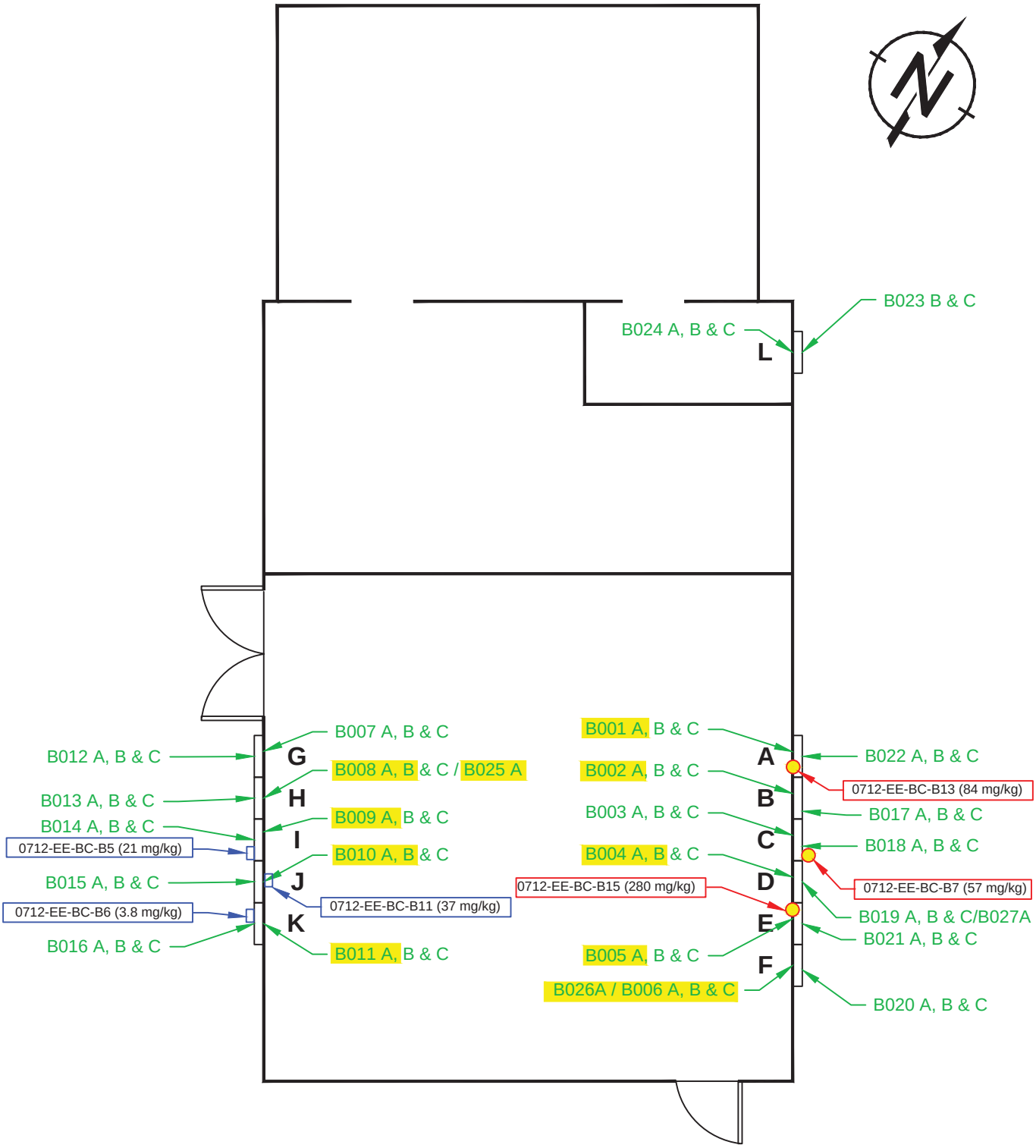
ENVIRON

DRAFTED BY: JPH | DATE: July 2014

Site Plan
Edison Elementary School
2425 Kansas Avenue
Santa Monica, California

FIGURE
2

JHNATKO 7/25/14 [EDISONSITEPLAN] N:\ACTIVE PROJECTS\CAD\SM\MUSD



LEGEND:

"A" Samples collected at the window sill.

"B" Samples collected from 3-in. below the window sill.

"C" Samples collected from 1-ft. below the window sill.

Approximate Window Caulk Sample Location > 50 mg/kg PCBs.

Approximate Window Caulk Sample Location < 50 mg/kg PCBs.

NOTES:

1. Scale and all locations are approximate.
2. Yellow highlighted samples are >1 and <50 mg/kg PCBs.
3. Not all samples analyzed, as samples with ≤1 mg/kg were identified at a closer distance to the source material pf PCBs, such that additional sampling for delineation purposes was not necessary. See Table 1.

0 12

SCALE IN FEET

ENVIRON

DRAFTED BY: JPH

DATE: October 2014

Detail of PCB Sampling Locations
Building Materials

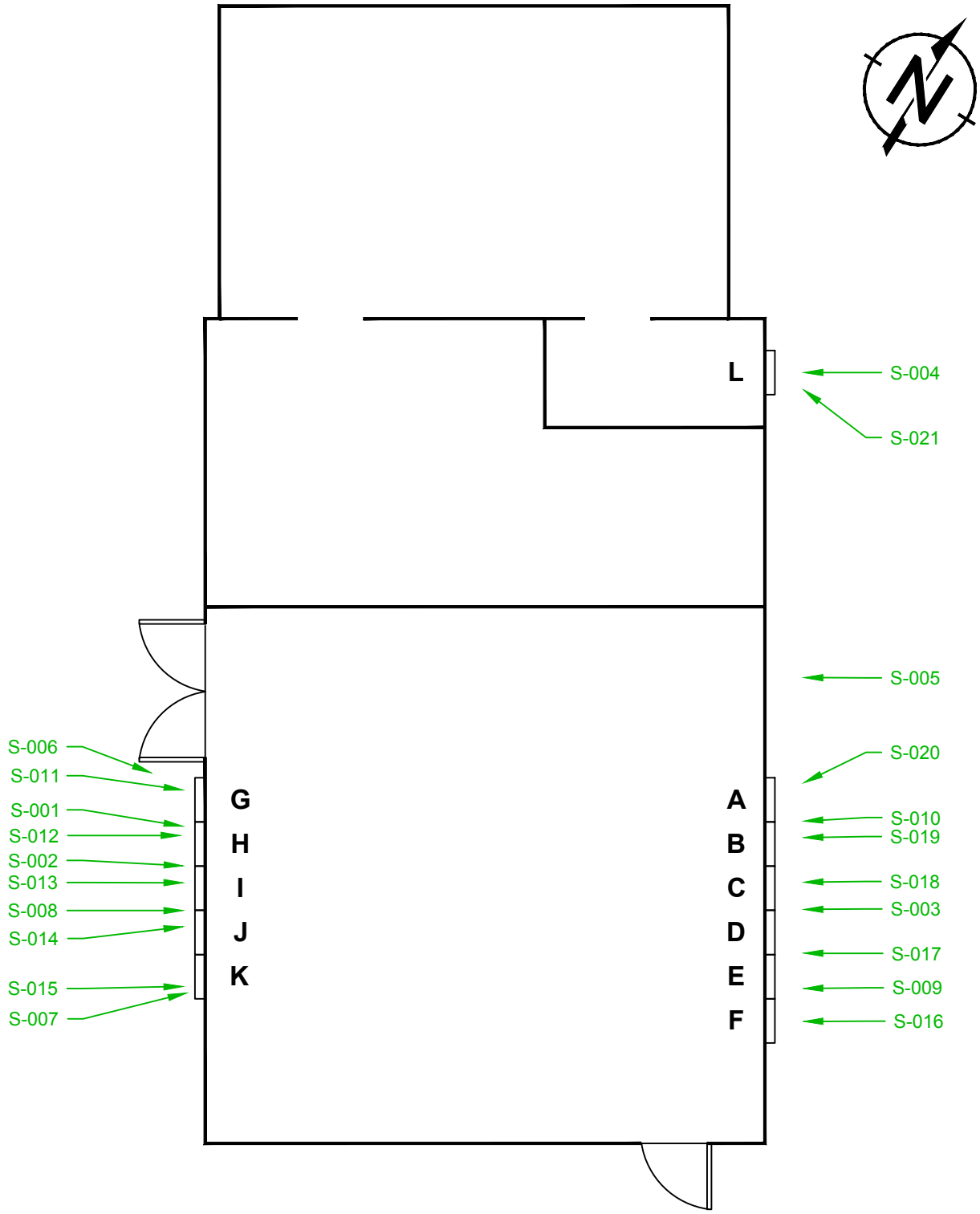
Edison Elementary School

2425 Kansas Avenue; Santa Monica, California

FIGURE

3

RSO 11/20/14 [FIG3_BM_LIBRARYSAMPLINGPLAN] Q:\DRAWINGS\0433980K



NOTE:
1. Scale and all locations are approximate

0 12
SCALE IN FEET

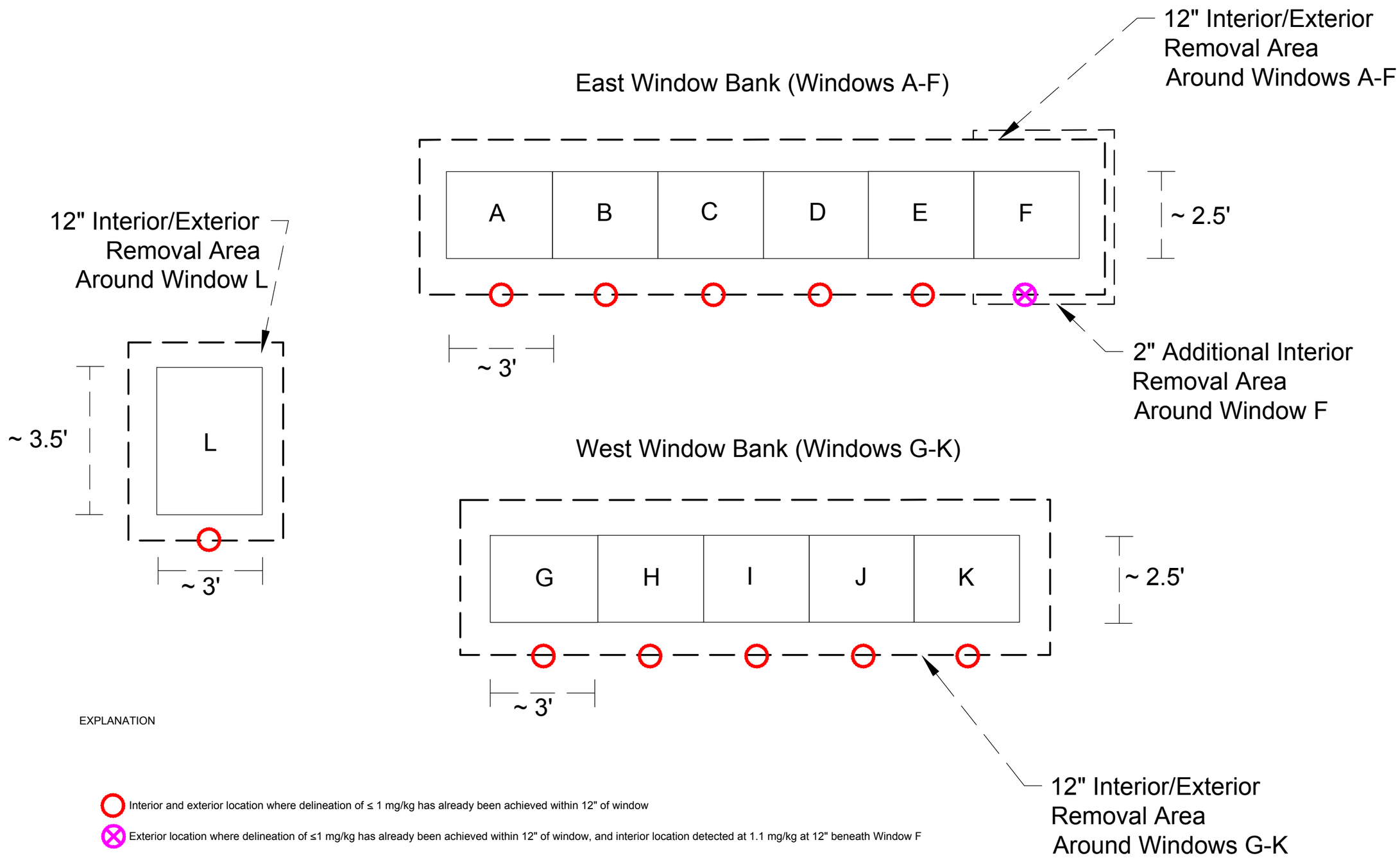
ENVIRON

DRAFTED BY: JPH | DATE: October 201

Detail of PCB Sampling Locations
Building C - Library - Soil
Edison Elementary School
2425 Kansas Avenue; Santa Monica, California

FIGURE
4

RSO 11/20/14 [FIG4_SOIL_LIBRARYSAMPLINGPLAN] Q:\DRAWINGS\0433980K



ENVIRON

DRAFTED BY: RGM | DATE: 11/14/2014

Conceptual Remediation Program

Building C - Library
Edison Elementary School
2425 Kansas Avenue, Santa Monica, California

FIGURE
5

04-33980K

C:\Projects\04-33980K\malibu2.dwg

Tables

Table 1 - PCB Sampling Results - Building Materials
Building C, Edison Elementary School
2425 Kansas Avenue, Santa Monica, CA

Sample Category	Sample Date	Sample I.D.	Sample Location	Material Type	PCB Concentration (mg/kg)
Bulk Material Samples	7/12/2014	0712-EE-BC-B13	Interior Window - East Window A	Window Gasket	84
	7/12/2014	0712-EE-BC-B7	Exterior Window - East Window C	Window Caulk	57
	7/12/2014	0712-EE-BC-B15	Interior Window -East Window E	Window Gasket	280
	7/12/2014	0712-EE-BC-B5	Exterior Window - West Window I	Window Caulk	21
	7/12/2014	0712-EE-BC-B11	Interior Window - West Window J	Window Gasket	37
	7/12/2014	0712-EE-BC-B6	Exterior Window - West Window K	Window Caulk	2.8: DUP - 3.8
Substrate Samples of Interior Building Materials	10/7/2014	1007-EE-BC-LIB-B001-A	Interior Window Sill - Window A	Painted Sheetrock	1.9 J
		1007-EE-BC-LIB-B001-B	Interior Window - 3 in. Below Window A		0.83
		1007-EE-BC-LIB-B001-C	Interior Window - 1-ft. Below Window A		NA
	10/7/2014	1007-EE-BC-LIB-B002-A	Interior Window Sill - Window B	Painted Sheetrock	2 J
		1007-EE-BC-LIB-B002-B	Interior Window - 3 in. BelowWindow B		0.89
		1007-EE-BC-LIB-B002-C	Interior Window - 1-ft. BelowWindow B		NA
	10/7/2014	1007-EE-BC-LIB-B003-A	Interior Window Sill - Window C	Painted Sheetrock	0.9 J
		1007-EE-BC-LIB-B003-B	Interior Window - 3-in. Below Window C		NA
		1007-EE-BC-LIB-B003-C	Interior Window - 1-ft. Below Window C		NA
	10/7/2014	1007-EE-BC-LIB-B004-A	Interior Window Sill - Window D	Painted Sheetrock	2.3 J
		1007-EE-BC-LIB-B004-B	Interior Window - 3-in. Below Window D		1.8
		1007-EE-BC-LIB-B004-C	Interior Window - 1-ft. Below Window D		1 J
	10/7/2014	1007-EE-BC-LIB-B005-A	Interior Window Sill - Window E	Painted Sheetrock	2.3 J
		1007-EE-BC-LIB-B005-B	Interior Window - 3-in. Below Window E		1.7 J
		1007-EE-BC-LIB-B005-C	Interior Window - 1-ft. Below Window E		0.39
	10/7/2014	1007-EE-BC-LIB-B006-A	Interior Window Sill - Window F	Painted Sheetrock	4.1J - DUP: 7.5
		1007-EE-BC-LIB-B006-B	Interior Window - 3-in. Below Window F		1.2
		1007-EE-BC-LIB-B006-C	Interior Window - 1-ft. Below Window F		1.1
	10/7/2014	1007-EE-BC-LIB-B007-A	Interior Window Sill - Window G	Painted Sheetrock	0.65 J
		1007-EE-BC-LIB-B007-B	Interior Window - 3-in. Below Sill		NA
		1007-EE-BC-LIB-B007-C	Interior Window - 1-ft. Below Sill		NA
	10/7/2014	1007-EE-BC-LIB-B008-A	Interior Window Sill - Window H	Painted Sheetrock	3.9J - DUP: 9.4
		1007-EE-BC-LIB-B008-B	Interior Window - 3-in. Below Sill		2.4
		1007-EE-BC-LIB-B008-C	Interior Window - 1-ft. Below Sill		1 J
	10/7/2014	1007-EE-BC-LIB-B009-A	Interior Window Sill - Window I	Painted Sheetrock	1.7 J
		1007-EE-BC-LIB-B009-B	Interior Window - 3-in. Below Window I		0.79
		1007-EE-BC-LIB-B009-C	Interior Window - 1-ft. Below Window I		NA
	10/7/2014	1007-EE-BC-LIB-B010-A	Interior Window Sill - Window J	Painted Sheetrock	7.5 J
		1007-EE-BC-LIB-B010-B	Interior Window - 3-in. Below Window J		3.9 J
		1007-EE-BC-LIB-B010-C	Interior Window - 1-ft. Below Window J		0.92 J
	10/7/2014	1007-EE-BC-LIB-B011-A	Interior Window Sill - Window K	Painted Sheetrock	2.4 J
		1007-EE-BC-LIB-B011-B	Interior Window - 3-in. Below Window K		0.75 J
		1007-EE-BC-LIB-B011-C	Interior Window - 1-ft. Below Window K		NA
	10/14/2014	1014-EE-BC-LIB-B024-A	Interior Window Sill - Window L	Painted Sheetrock	ND (0.19)
		1014-EE-BC-LIB-B024-B	Interior Window - 3-in. Below Window L		NA
		1014-EE-BC-LIB-B024-C	Interior Window - 1-ft. Below Window L		NA

Table 1 - PCB Sampling Results - Building Materials
Building C, Edison Elementary School
2425 Kansas Avenue, Santa Monica, CA

Sample Category	Sample Date	Sample I.D.	Sample Location	Material Type	PCB Concentration (mg/kg)
Substrate Samples of Exterior Building Materials	10/14/2014	1014-EE-BC-LIB-B022-A	Exterior Window Sill - Window A	Painted Stucco	0.19
		1014-EE-BC-LIB-B022-B	Exterior Window - 3-in. Below Window A		NA
		1014-EE-BC-LIB-B022-C	Exterior Window - 1-ft. Below Window A		NA
	10/7/2014	1007-EE-BC-LIB-B017-A	Exterior Window Sill - Window B	Painted Stucco	ND (0.072)
		1007-EE-BC-LIB-B017-B	Exterior Window - 3-in. Below Window B		NA
		1007-EE-BC-LIB-B017-C	Exterior Window - 1-ft. Below Window B		NA
	10/7/2014	1007-EE-BC-LIB-B018-A	Exterior Window Sill - Window C	Painted Stucco	ND (0.064)
		1007-EE-BC-LIB-B018-B	Exterior Window - 3-in. Below Window C		NA
		1007-EE-BC-LIB-B018-C	Exterior Window - 1-ft. Below Window C		NA
	10/7/2014	1007-EE-BC-LIB-B019-A	Exterior Window Sill - Window D	Painted Stucco	0.11 - DUP: 0.47 J
		1007-EE-BC-LIB-B019-B	Exterior Window - 3-in. Below Window D		NA
		1007-EE-BC-LIB-B019-C	Exterior Window - 1-ft. Below Window D		NA
	10/14/2014	1014-EE-BC-LIB-B021-A	Exterior Window Sill - Window E	Painted Stucco	0.24
		1014-EE-BC-LIB-B021-B	Exterior Window - 3-in. Below Window E		NA
		1014-EE-BC-LIB-B021-C	Exterior Window - 1-ft. Below Window E		NA
	10/7/2014	1014-EE-BC-LIB-B020-A	Exterior Window Sill - Window F	Painted Stucco	0.53
		1014-EE-BC-LIB-B020-B	Exterior Window - 3-in. Below Window F		NA
		1014-EE-BC-LIB-B020-C	Exterior Window - 1-ft. Below Window F		NA
	10/7/2014	1007-EE-BC-LIB-B012-A	Exterior Window Sill - Window G	Painted Stucco	ND (0.059)
		1007-EE-BC-LIB-B012-B	Exterior Window - 3-in. Below Window G		NA
		1007-EE-BC-LIB-B012-C	Exterior Window - 1-ft. Below Window G		NA
	10/7/2014	1007-EE-BC-LIB-B013-A	Exterior Window Sill - Window H	Painted Stucco	ND (0.067)
		1007-EE-BC-LIB-B013-B	Exterior Window - 3-in. Below Window H		NA
		1007-EE-BC-LIB-B013-C	Exterior Window - 1-ft. Below Window H		NA
	10/7/2014	1007-EE-BC-LIB-B014-A	Exterior Window Sill - Window I	Painted Stucco	0.091 J
		1007-EE-BC-LIB-B014-B	Exterior Window - 3-in. Below Window I		NA
		1007-EE-BC-LIB-B014-C	Exterior Window - 1-ft. Below Window I		NA
	10/7/2014	1007-EE-BC-LIB-B015-A	Exterior Window Sill - Window J	Painted Stucco	0.089 J
		1007-EE-BC-LIB-B015-B	Exterior Window - 3-in. Below Window J		NA
		1007-EE-BC-LIB-B015-C	Exterior Window - 1-ft. Below Window J		NA
	10/7/2014	1007-EE-BC-LIB-B016-A	Exterior Window Sill - Window K	Painted Stucco	0.074 J
		1007-EE-BC-LIB-B016-B	Exterior Window - 3-in. Below Window K		NA
		1007-EE-BC-LIB-B016-C	Exterior Window - 1-ft. Below Window K		NA
	10/14/2014	1014-EE-BC-LIB-B023-B	Exterior Window - 1-in. Below (No Sill Present) Window L	Painted Stucco	ND (0.041)
		1014-EE-BC-LIB-B023-C	Exterior Window - 1-ft. Below Window L		NA

Notes:
mg/kg = milligram per kilogram
DUP = Duplicate Samples were analyzed for Samples B006-A (B026-A), B008-A (B025-A), and B019-A (B027-A).
ND = Not Detected above laboratory detection limit in parentheses.
NA = Not Analyzed as samples with ≤1 mg/kg were identified at a closer distance to the source material of PCBs, such that additional sampling for delineation purposes was not necessary.
PCB = Polychlorinated Biphenyl
Red Highlighted Concentrations are ≥50 mg/kg PCBs.
Yellow Highlighted Concentrations are > 1 and < 50 mg/kg PCBs.

Table 2 - PCB Sampling Results - Soil
Building C, Edison Elementary School
2425 Kansas Avenue, Santa Monica, CA

Sample Category	Sample Date	Sample I.D.	Sample Location	Material Type	PCB Concentration (mg/kg)
Exterior Ground Surface Samples	10/7/2014	1007-EE-BC-LIB-S005	Exterior Surface Material - North of Window A	Asphalt	ND (0.033)
	10/7/2014	1007-EE-BC-LIB-S010	Exterior Surface Material - Beneath Windows A and B	Rubber Material	ND (0.091)
	10/7/2014	1007-EE-BC-LIB-S003	Exterior Surface Material - Beneath Windows C and D	Rubber Material	ND (0.092)
	10/7/2014	1007-EE-BC-LIB-S009	Exterior Surface Material - Beneath Windows E and F	Rubber Material	ND (0.15)
	10/7/2014	1007-EE-BC-LIB-S006	Exterior Surface Material - Beneath Window G	Concrete	ND (0.095)
	10/7/2014	1007-EE-BC-LIB-S001	Exterior Surface Material - Beneath Windows G and H	Concrete	ND (0.059)
	10/7/2014	1007-EE-BC-LIB-S002	Exterior Surface Material - Beneath Windows H and I	Concrete	ND (0.05)
	10/7/2014	1007-EE-BC-LIB-S008	Exterior Surface Material - Beneath Windows I and J	Concrete	ND (0.099)
	10/7/2014	1007-EE-BC-LIB-S007	Exterior Surface Material - Beneath Window K	Concrete	ND (0.065)
	10/7/2014	1007-EE-BC-LIB-S004	Exterior Surface Material - Beneath Window L	Asphalt	ND (0.065)
Exterior Ground Subsurface Samples	10/14/2014	1014-EE-BC-LIB-S020	Exterior Soil - Beneath Window A	Soil	ND (0.033)
	10/14/2014	1014-EE-BC-LIB-S019	Exterior Soil - Beneath Window B	Soil	ND (0.033)
	10/14/2014	1014-EE-BC-LIB-S018	Exterior Soil - Beneath Window C	Soil	ND (0.033)
	10/14/2014	1014-EE-BC-LIB-S017	Exterior Soil - Beneath Windows D and E	Soil	ND (0.033)
	10/14/2014	1014-EE-BC-LIB-S016	Exterior Soil - Beneath Window F	Soil	0.09
	10/14/2014	1014-EE-BC-LIB-S011	Exterior Soil - Beneath Window G	Soil	ND (0.033)
	10/14/2014	1014-EE-BC-LIB-S012	Exterior Soil - Beneath Window H	Soil	ND (0.033)
	10/14/2014	1014-EE-BC-LIB-S013	Exterior Soil - Beneath Window I	Soil	ND (0.033)
	10/14/2014	1014-EE-BC-LIB-S014	Exterior Soil - Beneath Window J	Soil	ND (0.033)
	10/14/2014	1014-EE-BC-LIB-S015	Exterior Soil - Beneath Window K	Soil	ND (0.033)
	10/14/2014	1014-EE-BC-LIB-S021	Exterior Soil - Beneath Window L	Soil	ND (0.033)

Notes:
mg/kg = milligram per kilogram
ND = Not Detected above laboratory detection limit in parentheses.
PCB = Polychlorinated Biphenyl

Appendix A

Notification and Certification

Certification

Site-Specific PCB-Related Remediation Plan for Building C at Edison Elementary School
Santa Monica-Malibu Unified School District
Edison Elementary School, 2425 Kansas Avenue, Santa Monica, California

Remediation activities are planned for the Edison Elementary School located at 2425 Kansas Avenue, Santa Monica, California ("Site") as described in the above Site-Specific PCB-Related Remediation Plan for Building C at Edison Elementary School ("Site-Specific Plan"). In accordance with 40 CFR 761.61(a)(3)(i)(E) and 761.61(c), the undersigned parties hereby certify that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the Site are on file and available for USEPA inspection at the offices of SMMUSD/FIP, 2828 4th Street Santa Monica, CA 90405.

Each person signing this document represents that he or she is authorized to do so on behalf of the party for whom such execution is made.

Santa Monica-Malibu Unified School District

Signature:

Name: [signature]

Title: FACILITIES TECHNICIAN SMMUSD.

Date: 11/21/2014

Appendix B

Site Photographs

Photo 1: Exterior of windows G through K.

Photo 2: Exterior of window L.

Title: Edison Elementary School Photographs

Date: July to October 2014

Site Location: 2425 Kansas Ave, Santa Monica, CA

ENVIRON

Photo 3: Exterior of windows A through F.

Photo 4: Exterior window caulk at window C (B7)

Title: Edison Elementary School Photographs

Date: July to October 2014

Site Location: 2425 Kansas Ave, Santa Monica, CA

ENVIRON

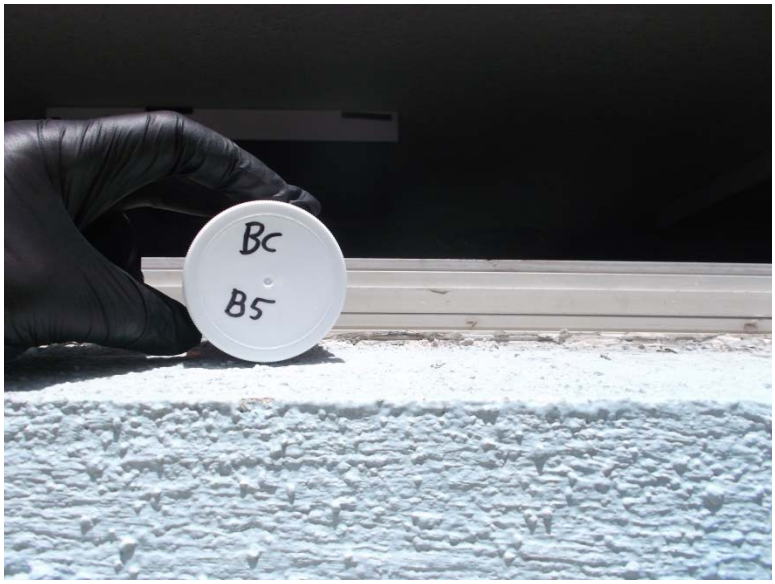


Photo 5: Exterior window caulk at Window I (B5)

Photo 6: Exterior window caulk at Window K (B6)

Title: Edison Elementary School Photographs

Date: July to October 2014

Site Location: 2425 Kansas Ave, Santa Monica, CA

ENVIRON

Photo 7: Window gasket at window E (B15)

Photo 8: Window gasket at window J (B11)

Title: Edison Elementary School Photographs

Date: July to October 2014

Site Location: 2425 Kansas Ave, Santa Monica, CA

ENVIRON

Photo 9: Window gasket at window A (B13)

Photo 10: Exterior delineation sampling below windows A through F

Title: Edison Elementary School Photographs

Date: July to October 2014

Site Location: 2425 Kansas Ave, Santa Monica, CA

ENVIRON

Photo 11: Interior delineation sampling below window H

Photo 12: Asphalt sampled below window L

Title: Edison Elementary School Photographs

Date: July to October 2014

Site Location: 2425 Kansas Ave, Santa Monica, CA

ENVIRON

Photo 13: Concrete sampled below windows G through K

Photo 14: Rubber surface material sampled below windows A through F

Title: Edison Elementary School Photographs

Date: July to October 2014

Site Location: 2425 Kansas Ave, Santa Monica, CA

ENVIRON

Appendix C

Analytical Data and Validation Reports

01-Aug-2014

Douglas Lindsay
ENVIRON International Corp
18100 VonKarman Ave.
Suite 600
Irvine, CA 92612

Re: **Edison Elementary 7.11-7.12.14** Work Order: **14071167**

Dear Douglas,

ALS Environmental received 64 samples on 23-Jul-2014 10:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 89.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Chad Whelton

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Certificate No: MN 532786

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185
ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

ALS Group USA, Corp

Date: 01-Aug-14

Client: ENVIRON International Corp
Project: Edison Elementary 7.11-7.12.14
Work Order: **14071167**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
14071167-01	0712-EE-BD/N-B1	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-02	0712-EE-BD/N-B2	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-03	0712-EE-BD/N-B3	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-04	0712-EE-BD/N-B4	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-05	0712-EE-BD/N-B5	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-06	0712-EE-BD/N-B6	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-07	0712-EE-BD/N-B7	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-08	0712-EE-BD/N-B8	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-09	0712-EE-BD/N-B9	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-10	0712-EE-BD/N-B10	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-11	0712-EE-BD/N-B11	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-12	0712-EE-BD/N-B12	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-13	0712-EE-BC-B11	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-14	0712-EE-BC-B10	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-15	0712-EE-BC-B1	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-16	0712-EE-BC-B1A	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-17	0712-EE-BC-B2	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-18	0712-EE-BC-B3	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-19	0712-EE-BC-B4	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-20	0712-EE-BC-B5	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-21	0712-EE-BC-B6	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-22	0712-EE-BC-B6A	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-23	0712-EE-BC-B7	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-24	0712-EE-BC-B8	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-25	0712-EE-BC-B8A	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-26	0712-EE-BC-B9	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-27	0711-EE-BA-B14A	Bulk		7/11/2014	7/23/2014 10:30	☐
14071167-28	0711-EE-BA-BB15	Bulk		7/11/2014	7/23/2014 10:30	☐
14071167-29	0711-EE-BA-B16	Bulk		7/11/2014	7/23/2014 10:30	☐
14071167-30	0711-EE-BA-B17	Bulk		7/11/2014	7/23/2014 10:30	☐
14071167-31	0711-EE-BA-B18	Bulk		7/11/2014	7/23/2014 10:30	☐
14071167-32	0711-EE-BA-B18A	Bulk		7/11/2014	7/23/2014 10:30	☐
14071167-33	0711-EE-BA-B19	Bulk		7/11/2014	7/23/2014 10:30	☐
14071167-34	0712-EE-BC-B18	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-35	0712-EE-BC-B17	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-36	0712-EE-BC-B16	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-37	0712-EE-BC-B15	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-38	0712-EE-BC-B14	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-39	0712-EE-BC-B13	Bulk		7/12/2014	7/23/2014 10:30	☐

Client: ENVIRON International Corp
Project: Edison Elementary 7.11-7.12.14
Work Order: **14071167**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
14071167-40	0712-EE-BC-B12	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-41	0712-EE-BA-B23	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-42	0712-EE-BA-B24	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-43	0712-EE-BA-B25	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-44	0712-EE-BA-B26	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-45	0712-EE-BA-B26A	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-46	0712-EE-BA-B27	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-47	0712-EE-BA-B28	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-48	0712-EE-BA-B29	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-49	0712-EE-BA-B30	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-50	0712-EE-BA-B31	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-51	0712-EE-BA-B32	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-52	0712-EE-BA-B33	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-53	0712-EE-BA-B34	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-54	0712-EE-BA-B35	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-55	0712-EE-BA-B36	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-56	0712-EE-BA-B37	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-57	0712-EE-BA-B38	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-58	0712-EE-BA-B39	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-59	0712-EE-BA-B39A	Bulk		7/12/2014	7/23/2014 10:30	☐
14071167-60	0711-EE-BA-B20	Bulk		7/11/2014	7/23/2014 10:30	☐
14071167-61	0711-EE-BA-B21	Bulk		7/11/2014	7/23/2014 10:30	☐
14071167-62	0711-EE-BA-B22	Bulk		7/11/2014	7/23/2014 10:30	☐
14071167-63	0711-EE-BA-B13	Bulk		7/11/2014	7/23/2014 10:30	☐
14071167-64	0711-EE-BA-B14	Bulk		7/11/2014	7/23/2014 10:30	☐

ALS Group USA, Corp

Date: 01-Aug-14

Client: ENVIRON International Corp
Project: Edison Elementary 7.11-7.12.14
Work Order: 14071167

Case Narrative

Samples extracted at ALS Holland laboratory using method 3550.

Batch 60933, Method PCB2_8082_S_ENVIRON, Sample 14071167-37A: Surrogate recovery high due to matrix interference.

Batch 60933, Method PCB2_8082_S_ENVIRON, Sample 14071167-39A: Surrogate recovery high due to matrix interference.

ALS Group USA, Corp

Date: 01-Aug-14

Client: ENVIRON International Corp
Project: Edison Elementary 7.11-7.12.14
WorkOrder: **14071167**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
µg/Kg	Micrograms per Kilogram

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BD/N-B1	**Lab ID:**	14071167-01
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		31	µg/Kg	1	7/27/2014 05:34 AM
Aroclor 1221	ND		31	µg/Kg	1	7/27/2014 05:34 AM
Aroclor 1232	ND		31	µg/Kg	1	7/27/2014 05:34 AM
Aroclor 1242	ND		31	µg/Kg	1	7/27/2014 05:34 AM
Aroclor 1248	ND		31	µg/Kg	1	7/27/2014 05:34 AM
Aroclor 1254	ND		31	µg/Kg	1	7/27/2014 05:34 AM
Aroclor 1260	ND		31	µg/Kg	1	7/27/2014 05:34 AM
Aroclor 1262	ND		31	µg/Kg	1	7/27/2014 05:34 AM
Aroclor 1268	ND		31	µg/Kg	1	7/27/2014 05:34 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 05:34 AM
Surr: Decachlorobiphenyl	*84.1*		*40-140*	*%REC*	1	7/27/2014 05:34 AM
Surr: Tetrachloro-m-xylene	*88.8*		*45-124*	*%REC*	1	7/27/2014 05:34 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client: ENVIRON International Corp
Project: Edison Elementary 7.11-7.12.14
Sample ID: 0712-EE-BD/N-B2
Collection Date: 7/12/2014

Work Order: 14071167
Lab ID: 14071167-02
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		40	µg/Kg	1	7/27/2014 05:50 AM
Aroclor 1221	ND		40	µg/Kg	1	7/27/2014 05:50 AM
Aroclor 1232	ND		40	µg/Kg	1	7/27/2014 05:50 AM
Aroclor 1242	ND		40	µg/Kg	1	7/27/2014 05:50 AM
Aroclor 1248	ND		40	µg/Kg	1	7/27/2014 05:50 AM
Aroclor 1254	ND		40	µg/Kg	1	7/27/2014 05:50 AM
Aroclor 1260	ND		40	µg/Kg	1	7/27/2014 05:50 AM
Aroclor 1262	ND		40	µg/Kg	1	7/27/2014 05:50 AM
Aroclor 1268	ND		40	µg/Kg	1	7/27/2014 05:50 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 05:50 AM
Surr: Decachlorobiphenyl	*86.8*		*40-140*	*%REC*	1	7/27/2014 05:50 AM
Surr: Tetrachloro-m-xylene	*87.1*		*45-124*	*%REC*	1	7/27/2014 05:50 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BD/N-B3	**Lab ID:**	14071167-03
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		29	µg/Kg	1	7/27/2014 06:06 AM
Aroclor 1221	ND		29	µg/Kg	1	7/27/2014 06:06 AM
Aroclor 1232	ND		29	µg/Kg	1	7/27/2014 06:06 AM
Aroclor 1242	ND		29	µg/Kg	1	7/27/2014 06:06 AM
Aroclor 1248	ND		29	µg/Kg	1	7/27/2014 06:06 AM
Aroclor 1254	ND		29	µg/Kg	1	7/27/2014 06:06 AM
Aroclor 1260	ND		29	µg/Kg	1	7/27/2014 06:06 AM
Aroclor 1262	ND		29	µg/Kg	1	7/27/2014 06:06 AM
Aroclor 1268	ND		29	µg/Kg	1	7/27/2014 06:06 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 06:06 AM
Surr: Decachlorobiphenyl	*86.0*		*40-140*	*%REC*	1	7/27/2014 06:06 AM
Surr: Tetrachloro-m-xylene	*88.9*		*45-124*	*%REC*	1	7/27/2014 06:06 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BD/N-B4	**Lab ID:**	14071167-04
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		32	µg/Kg	1	7/27/2014 06:22 AM
Aroclor 1221	ND		32	µg/Kg	1	7/27/2014 06:22 AM
Aroclor 1232	ND		32	µg/Kg	1	7/27/2014 06:22 AM
Aroclor 1242	ND		32	µg/Kg	1	7/27/2014 06:22 AM
Aroclor 1248	ND		32	µg/Kg	1	7/27/2014 06:22 AM
Aroclor 1254	ND		32	µg/Kg	1	7/27/2014 06:22 AM
Aroclor 1260	ND		32	µg/Kg	1	7/27/2014 06:22 AM
Aroclor 1262	ND		32	µg/Kg	1	7/27/2014 06:22 AM
Aroclor 1268	ND		32	µg/Kg	1	7/27/2014 06:22 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 06:22 AM
Surr: Decachlorobiphenyl	*88.5*		*40-140*	*%REC*	1	7/27/2014 06:22 AM
Surr: Tetrachloro-m-xylene	*89.6*		*45-124*	*%REC*	1	7/27/2014 06:22 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BD/N-B5	**Lab ID:**	14071167-05
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		29	µg/Kg	1	7/27/2014 06:39 AM
Aroclor 1221	ND		29	µg/Kg	1	7/27/2014 06:39 AM
Aroclor 1232	ND		29	µg/Kg	1	7/27/2014 06:39 AM
Aroclor 1242	ND		29	µg/Kg	1	7/27/2014 06:39 AM
Aroclor 1248	ND		29	µg/Kg	1	7/27/2014 06:39 AM
Aroclor 1254	ND		29	µg/Kg	1	7/27/2014 06:39 AM
Aroclor 1260	ND		29	µg/Kg	1	7/27/2014 06:39 AM
Aroclor 1262	ND		29	µg/Kg	1	7/27/2014 06:39 AM
Aroclor 1268	ND		29	µg/Kg	1	7/27/2014 06:39 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 06:39 AM
Surr: Decachlorobiphenyl	*85.8*		*40-140*	*%REC*	1	7/27/2014 06:39 AM
Surr: Tetrachloro-m-xylene	*88.9*		*45-124*	*%REC*	1	7/27/2014 06:39 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BD/N-B6	**Lab ID:**	14071167-06
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		26	µg/Kg	1	7/27/2014 06:55 AM
Aroclor 1221	ND		26	µg/Kg	1	7/27/2014 06:55 AM
Aroclor 1232	ND		26	µg/Kg	1	7/27/2014 06:55 AM
Aroclor 1242	ND		26	µg/Kg	1	7/27/2014 06:55 AM
Aroclor 1248	ND		26	µg/Kg	1	7/27/2014 06:55 AM
Aroclor 1254	ND		26	µg/Kg	1	7/27/2014 06:55 AM
Aroclor 1260	ND		26	µg/Kg	1	7/27/2014 06:55 AM
Aroclor 1262	ND		26	µg/Kg	1	7/27/2014 06:55 AM
Aroclor 1268	ND		26	µg/Kg	1	7/27/2014 06:55 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 06:55 AM
Surr: Decachlorobiphenyl	*88.5*		*40-140*	*%REC*	1	7/27/2014 06:55 AM
Surr: Tetrachloro-m-xylene	*89.3*		*45-124*	*%REC*	1	7/27/2014 06:55 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BD/N-B7	**Lab ID:**	14071167-07
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		45	µg/Kg	1	7/27/2014 07:11 AM
Aroclor 1221	ND		45	µg/Kg	1	7/27/2014 07:11 AM
Aroclor 1232	ND		45	µg/Kg	1	7/27/2014 07:11 AM
Aroclor 1242	ND		45	µg/Kg	1	7/27/2014 07:11 AM
Aroclor 1248	ND		45	µg/Kg	1	7/27/2014 07:11 AM
Aroclor 1254	ND		45	µg/Kg	1	7/27/2014 07:11 AM
Aroclor 1260	ND		45	µg/Kg	1	7/27/2014 07:11 AM
Aroclor 1262	ND		45	µg/Kg	1	7/27/2014 07:11 AM
Aroclor 1268	ND		45	µg/Kg	1	7/27/2014 07:11 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 07:11 AM
Surr: Decachlorobiphenyl	*87.3*		*40-140*	*%REC*	1	7/27/2014 07:11 AM
Surr: Tetrachloro-m-xylene	*91.2*		*45-124*	*%REC*	1	7/27/2014 07:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BD/N-B8	**Lab ID:**	14071167-08
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		30	µg/Kg	1	7/27/2014 07:27 AM
Aroclor 1221	ND		30	µg/Kg	1	7/27/2014 07:27 AM
Aroclor 1232	ND		30	µg/Kg	1	7/27/2014 07:27 AM
Aroclor 1242	ND		30	µg/Kg	1	7/27/2014 07:27 AM
Aroclor 1248	ND		30	µg/Kg	1	7/27/2014 07:27 AM
Aroclor 1254	ND		30	µg/Kg	1	7/27/2014 07:27 AM
Aroclor 1260	ND		30	µg/Kg	1	7/27/2014 07:27 AM
Aroclor 1262	ND		30	µg/Kg	1	7/27/2014 07:27 AM
Aroclor 1268	ND		30	µg/Kg	1	7/27/2014 07:27 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 07:27 AM
Surr: Decachlorobiphenyl	*86.4*		*40-140*	*%REC*	1	7/27/2014 07:27 AM
Surr: Tetrachloro-m-xylene	*90.9*		*45-124*	*%REC*	1	7/27/2014 07:27 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BD/N-B9	**Lab ID:**	14071167-09
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		30	µg/Kg	1	7/28/2014 10:52 PM
Aroclor 1221	ND		30	µg/Kg	1	7/28/2014 10:52 PM
Aroclor 1232	ND		30	µg/Kg	1	7/28/2014 10:52 PM
Aroclor 1242	ND		30	µg/Kg	1	7/28/2014 10:52 PM
Aroclor 1248	ND		30	µg/Kg	1	7/28/2014 10:52 PM
Aroclor 1254	ND		30	µg/Kg	1	7/28/2014 10:52 PM
Aroclor 1260	ND		30	µg/Kg	1	7/28/2014 10:52 PM
Aroclor 1262	ND		30	µg/Kg	1	7/28/2014 10:52 PM
Aroclor 1268	ND		30	µg/Kg	1	7/28/2014 10:52 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/28/2014 10:52 PM
Surr: Decachlorobiphenyl	*91.8*		*40-140*	*%REC*	1	7/28/2014 10:52 PM
Surr: Tetrachloro-m-xylene	*96.6*		*45-124*	*%REC*	1	7/28/2014 10:52 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BD/N-B10	**Lab ID:**	14071167-10
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		25	µg/Kg	1	7/28/2014 11:08 PM
Aroclor 1221	ND		25	µg/Kg	1	7/28/2014 11:08 PM
Aroclor 1232	ND		25	µg/Kg	1	7/28/2014 11:08 PM
Aroclor 1242	ND		25	µg/Kg	1	7/28/2014 11:08 PM
Aroclor 1248	ND		25	µg/Kg	1	7/28/2014 11:08 PM
Aroclor 1254	ND		25	µg/Kg	1	7/28/2014 11:08 PM
Aroclor 1260	ND		25	µg/Kg	1	7/28/2014 11:08 PM
Aroclor 1262	ND		25	µg/Kg	1	7/28/2014 11:08 PM
Aroclor 1268	ND		25	µg/Kg	1	7/28/2014 11:08 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/28/2014 11:08 PM
Surr: Decachlorobiphenyl	*93.4*		*40-140*	*%REC*	1	7/28/2014 11:08 PM
Surr: Tetrachloro-m-xylene	*108*		*45-124*	*%REC*	1	7/28/2014 11:08 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BD/N-B11	**Lab ID:**	14071167-11
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		94	µg/Kg	1	7/28/2014 11:24 PM
Aroclor 1221	ND		94	µg/Kg	1	7/28/2014 11:24 PM
Aroclor 1232	ND		94	µg/Kg	1	7/28/2014 11:24 PM
Aroclor 1242	ND		94	µg/Kg	1	7/28/2014 11:24 PM
Aroclor 1248	ND		94	µg/Kg	1	7/28/2014 11:24 PM
Aroclor 1254	**540**		**94**	**µg/Kg**	1	7/28/2014 11:24 PM
Aroclor 1260	ND		94	µg/Kg	1	7/28/2014 11:24 PM
Aroclor 1262	ND		94	µg/Kg	1	7/28/2014 11:24 PM
Aroclor 1268	ND		94	µg/Kg	1	7/28/2014 11:24 PM
PCBs, Total	**540**			**µg/Kg**	1	7/28/2014 11:24 PM
Surr: Decachlorobiphenyl	*91.6*		*40-140*	*%REC*	1	7/28/2014 11:24 PM
Surr: Tetrachloro-m-xylene	*109*		*45-124*	*%REC*	1	7/28/2014 11:24 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BD/N-B12	**Lab ID:**	14071167-12
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		95	µg/Kg	1	7/28/2014 11:40 PM
Aroclor 1221	ND		95	µg/Kg	1	7/28/2014 11:40 PM
Aroclor 1232	ND		95	µg/Kg	1	7/28/2014 11:40 PM
Aroclor 1242	ND		95	µg/Kg	1	7/28/2014 11:40 PM
Aroclor 1248	ND		95	µg/Kg	1	7/28/2014 11:40 PM
Aroclor 1254	**710**		**95**	**µg/Kg**	1	7/28/2014 11:40 PM
Aroclor 1260	ND		95	µg/Kg	1	7/28/2014 11:40 PM
Aroclor 1262	ND		95	µg/Kg	1	7/28/2014 11:40 PM
Aroclor 1268	ND		95	µg/Kg	1	7/28/2014 11:40 PM
PCBs, Total	**710**			**µg/Kg**	1	7/28/2014 11:40 PM
Surr: Decachlorobiphenyl	*93.2*		*40-140*	*%REC*	1	7/28/2014 11:40 PM
Surr: Tetrachloro-m-xylene	*109*		*45-124*	*%REC*	1	7/28/2014 11:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B11	**Lab ID:**	14071167-13
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		630	µg/Kg	20	7/28/2014 01:09 PM
Aroclor 1221	ND		630	µg/Kg	20	7/28/2014 01:09 PM
Aroclor 1232	ND		630	µg/Kg	20	7/28/2014 01:09 PM
Aroclor 1242	ND		630	µg/Kg	20	7/28/2014 01:09 PM
Aroclor 1248	ND		630	µg/Kg	20	7/28/2014 01:09 PM
Aroclor 1254	**37,000**		**630**	**µg/Kg**	20	7/28/2014 01:09 PM
Aroclor 1260	ND		630	µg/Kg	20	7/28/2014 01:09 PM
Aroclor 1262	ND		630	µg/Kg	20	7/28/2014 01:09 PM
Aroclor 1268	ND		630	µg/Kg	20	7/28/2014 01:09 PM
PCBs, Total	**37,000**			**µg/Kg**	20	7/28/2014 01:09 PM
Surr: Decachlorobiphenyl	*104*		*40-140*	*%REC*	20	7/28/2014 01:09 PM
Surr: Tetrachloro-m-xylene	*109*		*45-124*	*%REC*	20	7/28/2014 01:09 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B10	**Lab ID:**	14071167-14
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		30	µg/Kg	1	7/28/2014 11:57 PM
Aroclor 1221	ND		30	µg/Kg	1	7/28/2014 11:57 PM
Aroclor 1232	ND		30	µg/Kg	1	7/28/2014 11:57 PM
Aroclor 1242	ND		30	µg/Kg	1	7/28/2014 11:57 PM
Aroclor 1248	**320**		**30**	**µg/Kg**	1	7/28/2014 11:57 PM
Aroclor 1254	ND		30	µg/Kg	1	7/28/2014 11:57 PM
Aroclor 1260	ND		30	µg/Kg	1	7/28/2014 11:57 PM
Aroclor 1262	ND		30	µg/Kg	1	7/28/2014 11:57 PM
Aroclor 1268	ND		30	µg/Kg	1	7/28/2014 11:57 PM
PCBs, Total	**320**			**µg/Kg**	1	7/28/2014 11:57 PM
Surr: Decachlorobiphenyl	*93.0*		*40-140*	*%REC*	1	7/28/2014 11:57 PM
Surr: Tetrachloro-m-xylene	*101*		*45-124*	*%REC*	1	7/28/2014 11:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B1	**Lab ID:**	14071167-15
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		320	µg/Kg	10	7/29/2014 12:13 AM
Aroclor 1221	ND		320	µg/Kg	10	7/29/2014 12:13 AM
Aroclor 1232	ND		320	µg/Kg	10	7/29/2014 12:13 AM
Aroclor 1242	ND		320	µg/Kg	10	7/29/2014 12:13 AM
Aroclor 1248	ND		320	µg/Kg	10	7/29/2014 12:13 AM
Aroclor 1254	ND		320	µg/Kg	10	7/29/2014 12:13 AM
Aroclor 1260	ND		320	µg/Kg	10	7/29/2014 12:13 AM
Aroclor 1262	ND		320	µg/Kg	10	7/29/2014 12:13 AM
Aroclor 1268	ND		320	µg/Kg	10	7/29/2014 12:13 AM
PCBs, Total	**ND**			**µg/Kg**	10	7/29/2014 12:13 AM
Surr: Decachlorobiphenyl	*81.3*		*40-140*	*%REC*	10	7/29/2014 12:13 AM
Surr: Tetrachloro-m-xylene	*109*		*45-124*	*%REC*	10	7/29/2014 12:13 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B1A	**Lab ID:**	14071167-16
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		300	µg/Kg	10	7/29/2014 12:29 AM
Aroclor 1221	ND		300	µg/Kg	10	7/29/2014 12:29 AM
Aroclor 1232	ND		300	µg/Kg	10	7/29/2014 12:29 AM
Aroclor 1242	ND		300	µg/Kg	10	7/29/2014 12:29 AM
Aroclor 1248	ND		300	µg/Kg	10	7/29/2014 12:29 AM
Aroclor 1254	ND		300	µg/Kg	10	7/29/2014 12:29 AM
Aroclor 1260	ND		300	µg/Kg	10	7/29/2014 12:29 AM
Aroclor 1262	ND		300	µg/Kg	10	7/29/2014 12:29 AM
Aroclor 1268	ND		300	µg/Kg	10	7/29/2014 12:29 AM
PCBs, Total	**ND**			**µg/Kg**	10	7/29/2014 12:29 AM
Surr: Decachlorobiphenyl	*87.1*		*40-140*	*%REC*	10	7/29/2014 12:29 AM
Surr: Tetrachloro-m-xylene	*103*		*45-124*	*%REC*	10	7/29/2014 12:29 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B2	**Lab ID:**	14071167-17
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		320	µg/Kg	10	7/29/2014 01:18 AM
Aroclor 1221	ND		320	µg/Kg	10	7/29/2014 01:18 AM
Aroclor 1232	ND		320	µg/Kg	10	7/29/2014 01:18 AM
Aroclor 1242	ND		320	µg/Kg	10	7/29/2014 01:18 AM
Aroclor 1248	ND		320	µg/Kg	10	7/29/2014 01:18 AM
Aroclor 1254	ND		320	µg/Kg	10	7/29/2014 01:18 AM
Aroclor 1260	ND		320	µg/Kg	10	7/29/2014 01:18 AM
Aroclor 1262	ND		320	µg/Kg	10	7/29/2014 01:18 AM
Aroclor 1268	ND		320	µg/Kg	10	7/29/2014 01:18 AM
PCBs, Total	**ND**			**µg/Kg**	10	7/29/2014 01:18 AM
Surr: Decachlorobiphenyl	*86.2*		*40-140*	*%REC*	10	7/29/2014 01:18 AM
Surr: Tetrachloro-m-xylene	*111*		*45-124*	*%REC*	10	7/29/2014 01:18 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B3	**Lab ID:**	14071167-18
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		330	µg/Kg	10	7/29/2014 01:34 AM
Aroclor 1221	ND		330	µg/Kg	10	7/29/2014 01:34 AM
Aroclor 1232	ND		330	µg/Kg	10	7/29/2014 01:34 AM
Aroclor 1242	ND		330	µg/Kg	10	7/29/2014 01:34 AM
Aroclor 1248	ND		330	µg/Kg	10	7/29/2014 01:34 AM
Aroclor 1254	ND		330	µg/Kg	10	7/29/2014 01:34 AM
Aroclor 1260	ND		330	µg/Kg	10	7/29/2014 01:34 AM
Aroclor 1262	ND		330	µg/Kg	10	7/29/2014 01:34 AM
Aroclor 1268	ND		330	µg/Kg	10	7/29/2014 01:34 AM
PCBs, Total	**ND**			**µg/Kg**	10	7/29/2014 01:34 AM
Surr: Decachlorobiphenyl	*90.7*		*40-140*	*%REC*	10	7/29/2014 01:34 AM
Surr: Tetrachloro-m-xylene	*109*		*45-124*	*%REC*	10	7/29/2014 01:34 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B4	**Lab ID:**	14071167-19
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		28	µg/Kg	1	7/29/2014 01:50 AM
Aroclor 1221	ND		28	µg/Kg	1	7/29/2014 01:50 AM
Aroclor 1232	ND		28	µg/Kg	1	7/29/2014 01:50 AM
Aroclor 1242	ND		28	µg/Kg	1	7/29/2014 01:50 AM
Aroclor 1248	ND		28	µg/Kg	1	7/29/2014 01:50 AM
Aroclor 1254	ND		28	µg/Kg	1	7/29/2014 01:50 AM
Aroclor 1260	ND		28	µg/Kg	1	7/29/2014 01:50 AM
Aroclor 1262	ND		28	µg/Kg	1	7/29/2014 01:50 AM
Aroclor 1268	ND		28	µg/Kg	1	7/29/2014 01:50 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/29/2014 01:50 AM
Surr: Decachlorobiphenyl	*75.4*		*40-140*	*%REC*	1	7/29/2014 01:50 AM
Surr: Tetrachloro-m-xylene	*97.7*		*45-124*	*%REC*	1	7/29/2014 01:50 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B5	**Lab ID:**	14071167-20
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		260	µg/Kg	10	7/28/2014 01:25 PM
Aroclor 1221	ND		260	µg/Kg	10	7/28/2014 01:25 PM
Aroclor 1232	ND		260	µg/Kg	10	7/28/2014 01:25 PM
Aroclor 1242	ND		260	µg/Kg	10	7/28/2014 01:25 PM
Aroclor 1248	**21,000**		**260**	**µg/Kg**	10	7/28/2014 01:25 PM
Aroclor 1254	ND		260	µg/Kg	10	7/28/2014 01:25 PM
Aroclor 1260	ND		260	µg/Kg	10	7/28/2014 01:25 PM
Aroclor 1262	ND		260	µg/Kg	10	7/28/2014 01:25 PM
Aroclor 1268	ND		260	µg/Kg	10	7/28/2014 01:25 PM
PCBs, Total	**21,000**			**µg/Kg**	10	7/28/2014 01:25 PM
Surr: Decachlorobiphenyl	*105*		*40-140*	*%REC*	10	7/28/2014 01:25 PM
Surr: Tetrachloro-m-xylene	*108*		*45-124*	*%REC*	10	7/28/2014 01:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B6	**Lab ID:**	14071167-21
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		66	µg/Kg	2	7/28/2014 01:42 PM
Aroclor 1221	ND		66	µg/Kg	2	7/28/2014 01:42 PM
Aroclor 1232	ND		66	µg/Kg	2	7/28/2014 01:42 PM
Aroclor 1242	ND		66	µg/Kg	2	7/28/2014 01:42 PM
Aroclor 1248	ND		66	µg/Kg	2	7/28/2014 01:42 PM
Aroclor 1254	**3,800**		**66**	**µg/Kg**	2	7/28/2014 01:42 PM
Aroclor 1260	ND		66	µg/Kg	2	7/28/2014 01:42 PM
Aroclor 1262	ND		66	µg/Kg	2	7/28/2014 01:42 PM
Aroclor 1268	ND		66	µg/Kg	2	7/28/2014 01:42 PM
PCBs, Total	**3,800**			**µg/Kg**	2	7/28/2014 01:42 PM
Surr: Decachlorobiphenyl	*94.6*		*40-140*	*%REC*	2	7/28/2014 01:42 PM
Surr: Tetrachloro-m-xylene	*95.9*		*45-124*	*%REC*	2	7/28/2014 01:42 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B6A	**Lab ID:**	14071167-22
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		32	µg/Kg	1	7/29/2014 02:39 AM
Aroclor 1221	ND		32	µg/Kg	1	7/29/2014 02:39 AM
Aroclor 1232	ND		32	µg/Kg	1	7/29/2014 02:39 AM
Aroclor 1242	ND		32	µg/Kg	1	7/29/2014 02:39 AM
Aroclor 1248	ND		32	µg/Kg	1	7/29/2014 02:39 AM
Aroclor 1254	**2,800**		**32**	**µg/Kg**	1	7/29/2014 02:39 AM
Aroclor 1260	ND		32	µg/Kg	1	7/29/2014 02:39 AM
Aroclor 1262	ND		32	µg/Kg	1	7/29/2014 02:39 AM
Aroclor 1268	ND		32	µg/Kg	1	7/29/2014 02:39 AM
PCBs, Total	**2,800**			**µg/Kg**	1	7/29/2014 02:39 AM
Surr: Decachlorobiphenyl	*91.5*		*40-140*	*%REC*	1	7/29/2014 02:39 AM
Surr: Tetrachloro-m-xylene	*99.3*		*45-124*	*%REC*	1	7/29/2014 02:39 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B7	**Lab ID:**	14071167-23
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		1,100	µg/Kg	20	7/28/2014 01:58 PM
Aroclor 1221	ND		1,100	µg/Kg	20	7/28/2014 01:58 PM
Aroclor 1232	ND		1,100	µg/Kg	20	7/28/2014 01:58 PM
Aroclor 1242	ND		1,100	µg/Kg	20	7/28/2014 01:58 PM
Aroclor 1248	ND		1,100	µg/Kg	20	7/28/2014 01:58 PM
Aroclor 1254	**57,000**		**1,100**	**µg/Kg**	20	7/28/2014 01:58 PM
Aroclor 1260	ND		1,100	µg/Kg	20	7/28/2014 01:58 PM
Aroclor 1262	ND		1,100	µg/Kg	20	7/28/2014 01:58 PM
Aroclor 1268	ND		1,100	µg/Kg	20	7/28/2014 01:58 PM
PCBs, Total	**57,000**			**µg/Kg**	20	7/28/2014 01:58 PM
Surr: Decachlorobiphenyl	*87.6*		*40-140*	*%REC*	20	7/28/2014 01:58 PM
Surr: Tetrachloro-m-xylene	*95.5*		*45-124*	*%REC*	20	7/28/2014 01:58 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B8	**Lab ID:**	14071167-24
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		33	µg/Kg	1	7/29/2014 02:55 AM
Aroclor 1221	ND		33	µg/Kg	1	7/29/2014 02:55 AM
Aroclor 1232	ND		33	µg/Kg	1	7/29/2014 02:55 AM
Aroclor 1242	ND		33	µg/Kg	1	7/29/2014 02:55 AM
Aroclor 1248	ND		33	µg/Kg	1	7/29/2014 02:55 AM
Aroclor 1254	**260**		**33**	**µg/Kg**	1	7/29/2014 02:55 AM
Aroclor 1260	ND		33	µg/Kg	1	7/29/2014 02:55 AM
Aroclor 1262	ND		33	µg/Kg	1	7/29/2014 02:55 AM
Aroclor 1268	ND		33	µg/Kg	1	7/29/2014 02:55 AM
PCBs, Total	**260**			**µg/Kg**	1	7/29/2014 02:55 AM
Surr: Decachlorobiphenyl	*92.0*		*40-140*	*%REC*	1	7/29/2014 02:55 AM
Surr: Tetrachloro-m-xylene	*99.1*		*45-124*	*%REC*	1	7/29/2014 02:55 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B8A	**Lab ID:**	14071167-25
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		30	µg/Kg	1	7/29/2014 03:11 AM
Aroclor 1221	ND		30	µg/Kg	1	7/29/2014 03:11 AM
Aroclor 1232	ND		30	µg/Kg	1	7/29/2014 03:11 AM
Aroclor 1242	ND		30	µg/Kg	1	7/29/2014 03:11 AM
Aroclor 1248	ND		30	µg/Kg	1	7/29/2014 03:11 AM
Aroclor 1254	**230**		**30**	**µg/Kg**	1	7/29/2014 03:11 AM
Aroclor 1260	ND		30	µg/Kg	1	7/29/2014 03:11 AM
Aroclor 1262	ND		30	µg/Kg	1	7/29/2014 03:11 AM
Aroclor 1268	ND		30	µg/Kg	1	7/29/2014 03:11 AM
PCBs, Total	**230**			**µg/Kg**	1	7/29/2014 03:11 AM
Surr: Decachlorobiphenyl	*95.1*		*40-140*	*%REC*	1	7/29/2014 03:11 AM
Surr: Tetrachloro-m-xylene	*97.4*		*45-124*	*%REC*	1	7/29/2014 03:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B9	**Lab ID:**	14071167-26
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		32	µg/Kg	1	7/29/2014 03:28 AM
Aroclor 1221	ND		32	µg/Kg	1	7/29/2014 03:28 AM
Aroclor 1232	ND		32	µg/Kg	1	7/29/2014 03:28 AM
Aroclor 1242	ND		32	µg/Kg	1	7/29/2014 03:28 AM
Aroclor 1248	**470**		**32**	**µg/Kg**	1	7/29/2014 03:28 AM
Aroclor 1254	ND		32	µg/Kg	1	7/29/2014 03:28 AM
Aroclor 1260	ND		32	µg/Kg	1	7/29/2014 03:28 AM
Aroclor 1262	ND		32	µg/Kg	1	7/29/2014 03:28 AM
Aroclor 1268	ND		32	µg/Kg	1	7/29/2014 03:28 AM
PCBs, Total	**470**			**µg/Kg**	1	7/29/2014 03:28 AM
Surr: Decachlorobiphenyl	*91.2*		*40-140*	*%REC*	1	7/29/2014 03:28 AM
Surr: Tetrachloro-m-xylene	*95.4*		*45-124*	*%REC*	1	7/29/2014 03:28 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-B14A	**Lab ID:**	14071167-27
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		33	µg/Kg	1	7/27/2014 01:56 PM
Aroclor 1221	ND		33	µg/Kg	1	7/27/2014 01:56 PM
Aroclor 1232	ND		33	µg/Kg	1	7/27/2014 01:56 PM
Aroclor 1242	ND		33	µg/Kg	1	7/27/2014 01:56 PM
Aroclor 1248	ND		33	µg/Kg	1	7/27/2014 01:56 PM
Aroclor 1254	**66**		**33**	**µg/Kg**	1	7/27/2014 01:56 PM
Aroclor 1260	ND		33	µg/Kg	1	7/27/2014 01:56 PM
Aroclor 1262	ND		33	µg/Kg	1	7/27/2014 01:56 PM
Aroclor 1268	ND		33	µg/Kg	1	7/27/2014 01:56 PM
PCBs, Total	**66**			**µg/Kg**	1	7/27/2014 01:56 PM
Surr: Decachlorobiphenyl	*74.0*		*40-140*	*%REC*	1	7/27/2014 01:56 PM
Surr: Tetrachloro-m-xylene	*79.7*		*45-124*	*%REC*	1	7/27/2014 01:56 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-BB15	**Lab ID:**	14071167-28
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		30	µg/Kg	1	7/27/2014 02:12 PM
Aroclor 1221	ND		30	µg/Kg	1	7/27/2014 02:12 PM
Aroclor 1232	ND		30	µg/Kg	1	7/27/2014 02:12 PM
Aroclor 1242	ND		30	µg/Kg	1	7/27/2014 02:12 PM
Aroclor 1248	ND		30	µg/Kg	1	7/27/2014 02:12 PM
Aroclor 1254	**52**		**30**	**µg/Kg**	1	7/27/2014 02:12 PM
Aroclor 1260	ND		30	µg/Kg	1	7/27/2014 02:12 PM
Aroclor 1262	ND		30	µg/Kg	1	7/27/2014 02:12 PM
Aroclor 1268	ND		30	µg/Kg	1	7/27/2014 02:12 PM
PCBs, Total	**52**			**µg/Kg**	1	7/27/2014 02:12 PM
Surr: Decachlorobiphenyl	*75.7*		*40-140*	*%REC*	1	7/27/2014 02:12 PM
Surr: Tetrachloro-m-xylene	*81.2*		*45-124*	*%REC*	1	7/27/2014 02:12 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-B16	**Lab ID:**	14071167-29
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		33	µg/Kg	1	7/27/2014 02:29 PM
Aroclor 1221	ND		33	µg/Kg	1	7/27/2014 02:29 PM
Aroclor 1232	ND		33	µg/Kg	1	7/27/2014 02:29 PM
Aroclor 1242	ND		33	µg/Kg	1	7/27/2014 02:29 PM
Aroclor 1248	ND		33	µg/Kg	1	7/27/2014 02:29 PM
Aroclor 1254	ND		33	µg/Kg	1	7/27/2014 02:29 PM
Aroclor 1260	ND		33	µg/Kg	1	7/27/2014 02:29 PM
Aroclor 1262	ND		33	µg/Kg	1	7/27/2014 02:29 PM
Aroclor 1268	ND		33	µg/Kg	1	7/27/2014 02:29 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 02:29 PM
Surr: Decachlorobiphenyl	*72.3*		*40-140*	*%REC*	1	7/27/2014 02:29 PM
Surr: Tetrachloro-m-xylene	*82.0*		*45-124*	*%REC*	1	7/27/2014 02:29 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-B17	**Lab ID:**	14071167-30
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		31	µg/Kg	1	7/27/2014 02:45 PM
Aroclor 1221	ND		31	µg/Kg	1	7/27/2014 02:45 PM
Aroclor 1232	ND		31	µg/Kg	1	7/27/2014 02:45 PM
Aroclor 1242	ND		31	µg/Kg	1	7/27/2014 02:45 PM
Aroclor 1248	ND		31	µg/Kg	1	7/27/2014 02:45 PM
Aroclor 1254	ND		31	µg/Kg	1	7/27/2014 02:45 PM
Aroclor 1260	ND		31	µg/Kg	1	7/27/2014 02:45 PM
Aroclor 1262	ND		31	µg/Kg	1	7/27/2014 02:45 PM
Aroclor 1268	ND		31	µg/Kg	1	7/27/2014 02:45 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 02:45 PM
Surr: Decachlorobiphenyl	*82.6*		*40-140*	*%REC*	1	7/27/2014 02:45 PM
Surr: Tetrachloro-m-xylene	*90.2*		*45-124*	*%REC*	1	7/27/2014 02:45 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-B18	**Lab ID:**	14071167-31
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		66	µg/Kg	2	7/27/2014 03:01 PM
Aroclor 1221	ND		66	µg/Kg	2	7/27/2014 03:01 PM
Aroclor 1232	ND		66	µg/Kg	2	7/27/2014 03:01 PM
Aroclor 1242	ND		66	µg/Kg	2	7/27/2014 03:01 PM
Aroclor 1248	ND		66	µg/Kg	2	7/27/2014 03:01 PM
Aroclor 1254	ND		66	µg/Kg	2	7/27/2014 03:01 PM
Aroclor 1260	ND		66	µg/Kg	2	7/27/2014 03:01 PM
Aroclor 1262	ND		66	µg/Kg	2	7/27/2014 03:01 PM
Aroclor 1268	ND		66	µg/Kg	2	7/27/2014 03:01 PM
PCBs, Total	**ND**			**µg/Kg**	2	7/27/2014 03:01 PM
Surr: Decachlorobiphenyl	*60.4*		*40-140*	*%REC*	2	7/27/2014 03:01 PM
Surr: Tetrachloro-m-xylene	*63.6*		*45-124*	*%REC*	2	7/27/2014 03:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-B18A	**Lab ID:**	14071167-32
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		61	µg/Kg	2	7/27/2014 03:17 PM
Aroclor 1221	ND		61	µg/Kg	2	7/27/2014 03:17 PM
Aroclor 1232	ND		61	µg/Kg	2	7/27/2014 03:17 PM
Aroclor 1242	ND		61	µg/Kg	2	7/27/2014 03:17 PM
Aroclor 1248	ND		61	µg/Kg	2	7/27/2014 03:17 PM
Aroclor 1254	ND		61	µg/Kg	2	7/27/2014 03:17 PM
Aroclor 1260	ND		61	µg/Kg	2	7/27/2014 03:17 PM
Aroclor 1262	ND		61	µg/Kg	2	7/27/2014 03:17 PM
Aroclor 1268	ND		61	µg/Kg	2	7/27/2014 03:17 PM
PCBs, Total	**ND**			**µg/Kg**	2	7/27/2014 03:17 PM
Surr: Decachlorobiphenyl	*52.4*		*40-140*	*%REC*	2	7/27/2014 03:17 PM
Surr: Tetrachloro-m-xylene	*58.1*		*45-124*	*%REC*	2	7/27/2014 03:17 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-B19	**Lab ID:**	14071167-33
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		30	µg/Kg	1	7/27/2014 03:33 PM
Aroclor 1221	ND		30	µg/Kg	1	7/27/2014 03:33 PM
Aroclor 1232	ND		30	µg/Kg	1	7/27/2014 03:33 PM
Aroclor 1242	ND		30	µg/Kg	1	7/27/2014 03:33 PM
Aroclor 1248	ND		30	µg/Kg	1	7/27/2014 03:33 PM
Aroclor 1254	**87**		**30**	**µg/Kg**	1	7/27/2014 03:33 PM
Aroclor 1260	ND		30	µg/Kg	1	7/27/2014 03:33 PM
Aroclor 1262	ND		30	µg/Kg	1	7/27/2014 03:33 PM
Aroclor 1268	ND		30	µg/Kg	1	7/27/2014 03:33 PM
PCBs, Total	**87**			**µg/Kg**	1	7/27/2014 03:33 PM
Surr: Decachlorobiphenyl	*55.0*		*40-140*	*%REC*	1	7/27/2014 03:33 PM
Surr: Tetrachloro-m-xylene	*64.0*		*45-124*	*%REC*	1	7/27/2014 03:33 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B18	**Lab ID:**	14071167-34
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		33	µg/Kg	1	7/27/2014 03:50 PM
Aroclor 1221	ND		33	µg/Kg	1	7/27/2014 03:50 PM
Aroclor 1232	ND		33	µg/Kg	1	7/27/2014 03:50 PM
Aroclor 1242	ND		33	µg/Kg	1	7/27/2014 03:50 PM
Aroclor 1248	ND		33	µg/Kg	1	7/27/2014 03:50 PM
Aroclor 1254	ND		33	µg/Kg	1	7/27/2014 03:50 PM
Aroclor 1260	ND		33	µg/Kg	1	7/27/2014 03:50 PM
Aroclor 1262	ND		33	µg/Kg	1	7/27/2014 03:50 PM
Aroclor 1268	ND		33	µg/Kg	1	7/27/2014 03:50 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 03:50 PM
Surr: Decachlorobiphenyl	*64.7*		*40-140*	*%REC*	1	7/27/2014 03:50 PM
Surr: Tetrachloro-m-xylene	*75.0*		*45-124*	*%REC*	1	7/27/2014 03:50 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B17	**Lab ID:**	14071167-35
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		33	µg/Kg	1	7/27/2014 04:06 PM
Aroclor 1221	ND		33	µg/Kg	1	7/27/2014 04:06 PM
Aroclor 1232	ND		33	µg/Kg	1	7/27/2014 04:06 PM
Aroclor 1242	ND		33	µg/Kg	1	7/27/2014 04:06 PM
Aroclor 1248	ND		33	µg/Kg	1	7/27/2014 04:06 PM
Aroclor 1254	ND		33	µg/Kg	1	7/27/2014 04:06 PM
Aroclor 1260	ND		33	µg/Kg	1	7/27/2014 04:06 PM
Aroclor 1262	ND		33	µg/Kg	1	7/27/2014 04:06 PM
Aroclor 1268	ND		33	µg/Kg	1	7/27/2014 04:06 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 04:06 PM
Surr: Decachlorobiphenyl	*66.1*		*40-140*	*%REC*	1	7/27/2014 04:06 PM
Surr: Tetrachloro-m-xylene	*79.8*		*45-124*	*%REC*	1	7/27/2014 04:06 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B16	**Lab ID:**	14071167-36
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		36	µg/Kg	1	7/27/2014 04:22 PM
Aroclor 1221	ND		36	µg/Kg	1	7/27/2014 04:22 PM
Aroclor 1232	ND		36	µg/Kg	1	7/27/2014 04:22 PM
Aroclor 1242	ND		36	µg/Kg	1	7/27/2014 04:22 PM
Aroclor 1248	ND		36	µg/Kg	1	7/27/2014 04:22 PM
Aroclor 1254	**14,000**		**360**	**µg/Kg**	10	7/28/2014 02:14 PM
Aroclor 1260	ND		36	µg/Kg	1	7/27/2014 04:22 PM
Aroclor 1262	ND		36	µg/Kg	1	7/27/2014 04:22 PM
Aroclor 1268	ND		36	µg/Kg	1	7/27/2014 04:22 PM
PCBs, Total	**14,000**			**µg/Kg**	10	7/28/2014 02:14 PM
Surr: Decachlorobiphenyl	*70.6*		*40-140*	*%REC*	1	7/27/2014 04:22 PM
Surr: Tetrachloro-m-xylene	*88.4*		*45-124*	*%REC*	1	7/27/2014 04:22 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B15	**Lab ID:**	14071167-37
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		33	µg/Kg	1	7/27/2014 04:54 PM
Aroclor 1221	ND		33	µg/Kg	1	7/27/2014 04:54 PM
Aroclor 1232	ND		33	µg/Kg	1	7/27/2014 04:54 PM
Aroclor 1242	ND		33	µg/Kg	1	7/27/2014 04:54 PM
Aroclor 1248	ND		33	µg/Kg	1	7/27/2014 04:54 PM
Aroclor 1254	**280,000**		**3,300**	**µg/Kg**	100	7/28/2014 02:30 PM
Aroclor 1260	ND		33	µg/Kg	1	7/27/2014 04:54 PM
Aroclor 1262	ND		33	µg/Kg	1	7/27/2014 04:54 PM
Aroclor 1268	ND		33	µg/Kg	1	7/27/2014 04:54 PM
PCBs, Total	**280,000**			**µg/Kg**	100	7/28/2014 02:30 PM
Surr: Decachlorobiphenyl	*74.3*		*40-140*	*%REC*	1	7/27/2014 04:54 PM
Surr: Tetrachloro-m-xylene	*84.2*		*45-124*	*%REC*	1	7/27/2014 04:54 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B14	**Lab ID:**	14071167-38
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		53	µg/Kg	1	7/27/2014 05:10 PM
Aroclor 1221	ND		53	µg/Kg	1	7/27/2014 05:10 PM
Aroclor 1232	ND		53	µg/Kg	1	7/27/2014 05:10 PM
Aroclor 1242	ND		53	µg/Kg	1	7/27/2014 05:10 PM
Aroclor 1248	**30,000**		**530**	**µg/Kg**	10	7/28/2014 02:46 PM
Aroclor 1254	ND		53	µg/Kg	1	7/27/2014 05:10 PM
Aroclor 1260	ND		53	µg/Kg	1	7/27/2014 05:10 PM
Aroclor 1262	ND		53	µg/Kg	1	7/27/2014 05:10 PM
Aroclor 1268	ND		53	µg/Kg	1	7/27/2014 05:10 PM
PCBs, Total	**30,000**			**µg/Kg**	10	7/28/2014 02:46 PM
Surr: Decachlorobiphenyl	*74.2*		*40-140*	*%REC*	1	7/27/2014 05:10 PM
Surr: Tetrachloro-m-xylene	*88.4*		*45-124*	*%REC*	1	7/27/2014 05:10 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B13	**Lab ID:**	14071167-39
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		31	µg/Kg	1	7/27/2014 05:27 PM
Aroclor 1221	ND		31	µg/Kg	1	7/27/2014 05:27 PM
Aroclor 1232	ND		31	µg/Kg	1	7/27/2014 05:27 PM
Aroclor 1242	ND		31	µg/Kg	1	7/27/2014 05:27 PM
Aroclor 1248	ND		31	µg/Kg	1	7/27/2014 05:27 PM
Aroclor 1254	**84,000**		**3,100**	**µg/Kg**	100	7/28/2014 03:03 PM
Aroclor 1260	ND		31	µg/Kg	1	7/27/2014 05:27 PM
Aroclor 1262	ND		31	µg/Kg	1	7/27/2014 05:27 PM
Aroclor 1268	**150**		**31**	**µg/Kg**	1	7/27/2014 05:27 PM
PCBs, Total	**84,000**			**µg/Kg**	100	7/28/2014 03:03 PM
Surr: Decachlorobiphenyl	*77.1*		*40-140*	*%REC*	1	7/27/2014 05:27 PM
Surr: Tetrachloro-m-xylene	*83.4*		*45-124*	*%REC*	1	7/27/2014 05:27 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BC-B12	**Lab ID:**	14071167-40
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/24/14	Analyst: **JC**
Aroclor 1016	ND		33	µg/Kg	1	7/27/2014 05:43 PM
Aroclor 1221	ND		33	µg/Kg	1	7/27/2014 05:43 PM
Aroclor 1232	ND		33	µg/Kg	1	7/27/2014 05:43 PM
Aroclor 1242	ND		33	µg/Kg	1	7/27/2014 05:43 PM
Aroclor 1248	ND		33	µg/Kg	1	7/27/2014 05:43 PM
Aroclor 1254	**12,000**		**330**	**µg/Kg**	10	7/28/2014 03:19 PM
Aroclor 1260	ND		33	µg/Kg	1	7/27/2014 05:43 PM
Aroclor 1262	ND		33	µg/Kg	1	7/27/2014 05:43 PM
Aroclor 1268	ND		33	µg/Kg	1	7/27/2014 05:43 PM
PCBs, Total	**12,000**			**µg/Kg**	10	7/28/2014 03:19 PM
Surr: Decachlorobiphenyl	*75.7*		*40-140*	*%REC*	1	7/27/2014 05:43 PM
Surr: Tetrachloro-m-xylene	*88.6*		*45-124*	*%REC*	1	7/27/2014 05:43 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B23	**Lab ID:**	14071167-41
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		31	µg/Kg	1	7/27/2014 06:32 PM
Aroclor 1221	ND		31	µg/Kg	1	7/27/2014 06:32 PM
Aroclor 1232	ND		31	µg/Kg	1	7/27/2014 06:32 PM
Aroclor 1242	ND		31	µg/Kg	1	7/27/2014 06:32 PM
Aroclor 1248	ND		31	µg/Kg	1	7/27/2014 06:32 PM
Aroclor 1254	**74**		**31**	**µg/Kg**	1	7/27/2014 06:32 PM
Aroclor 1260	ND		31	µg/Kg	1	7/27/2014 06:32 PM
Aroclor 1262	ND		31	µg/Kg	1	7/27/2014 06:32 PM
Aroclor 1268	ND		31	µg/Kg	1	7/27/2014 06:32 PM
PCBs, Total	**74**			**µg/Kg**	1	7/27/2014 06:32 PM
Surr: Decachlorobiphenyl	*72.8*		*40-140*	*%REC*	1	7/27/2014 06:32 PM
Surr: Tetrachloro-m-xylene	*93.5*		*45-124*	*%REC*	1	7/27/2014 06:32 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B24	**Lab ID:**	14071167-42
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		28	µg/Kg	1	7/27/2014 06:48 PM
Aroclor 1221	ND		28	µg/Kg	1	7/27/2014 06:48 PM
Aroclor 1232	ND		28	µg/Kg	1	7/27/2014 06:48 PM
Aroclor 1242	ND		28	µg/Kg	1	7/27/2014 06:48 PM
Aroclor 1248	ND		28	µg/Kg	1	7/27/2014 06:48 PM
Aroclor 1254	**33**		**28**	**µg/Kg**	1	7/27/2014 06:48 PM
Aroclor 1260	ND		28	µg/Kg	1	7/27/2014 06:48 PM
Aroclor 1262	ND		28	µg/Kg	1	7/27/2014 06:48 PM
Aroclor 1268	ND		28	µg/Kg	1	7/27/2014 06:48 PM
PCBs, Total	**33**			**µg/Kg**	1	7/27/2014 06:48 PM
Surr: Decachlorobiphenyl	*71.7*		*40-140*	*%REC*	1	7/27/2014 06:48 PM
Surr: Tetrachloro-m-xylene	*94.2*		*45-124*	*%REC*	1	7/27/2014 06:48 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B25	**Lab ID:**	14071167-43
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		350	µg/Kg	1	7/27/2014 07:04 PM
Aroclor 1221	ND		350	µg/Kg	1	7/27/2014 07:04 PM
Aroclor 1232	ND		350	µg/Kg	1	7/27/2014 07:04 PM
Aroclor 1242	ND		350	µg/Kg	1	7/27/2014 07:04 PM
Aroclor 1248	ND		350	µg/Kg	1	7/27/2014 07:04 PM
Aroclor 1254	ND		350	µg/Kg	1	7/27/2014 07:04 PM
Aroclor 1260	ND		350	µg/Kg	1	7/27/2014 07:04 PM
Aroclor 1262	ND		350	µg/Kg	1	7/27/2014 07:04 PM
Aroclor 1268	ND		350	µg/Kg	1	7/27/2014 07:04 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 07:04 PM
Surr: Decachlorobiphenyl	*75.2*		*40-140*	*%REC*	1	7/27/2014 07:04 PM
Surr: Tetrachloro-m-xylene	*91.2*		*45-124*	*%REC*	1	7/27/2014 07:04 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B26	**Lab ID:**	14071167-44
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		84	µg/Kg	1	7/27/2014 07:20 PM
Aroclor 1221	ND		84	µg/Kg	1	7/27/2014 07:20 PM
Aroclor 1232	ND		84	µg/Kg	1	7/27/2014 07:20 PM
Aroclor 1242	ND		84	µg/Kg	1	7/27/2014 07:20 PM
Aroclor 1248	ND		84	µg/Kg	1	7/27/2014 07:20 PM
Aroclor 1254	ND		84	µg/Kg	1	7/27/2014 07:20 PM
Aroclor 1260	ND		84	µg/Kg	1	7/27/2014 07:20 PM
Aroclor 1262	ND		84	µg/Kg	1	7/27/2014 07:20 PM
Aroclor 1268	ND		84	µg/Kg	1	7/27/2014 07:20 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 07:20 PM
Surr: Decachlorobiphenyl	*77.0*		*40-140*	*%REC*	1	7/27/2014 07:20 PM
Surr: Tetrachloro-m-xylene	*91.2*		*45-124*	*%REC*	1	7/27/2014 07:20 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B26A	**Lab ID:**	14071167-45
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		180	µg/Kg	1	7/27/2014 07:52 PM
Aroclor 1221	ND		180	µg/Kg	1	7/27/2014 07:52 PM
Aroclor 1232	ND		180	µg/Kg	1	7/27/2014 07:52 PM
Aroclor 1242	ND		180	µg/Kg	1	7/27/2014 07:52 PM
Aroclor 1248	ND		180	µg/Kg	1	7/27/2014 07:52 PM
Aroclor 1254	ND		180	µg/Kg	1	7/27/2014 07:52 PM
Aroclor 1260	ND		180	µg/Kg	1	7/27/2014 07:52 PM
Aroclor 1262	ND		180	µg/Kg	1	7/27/2014 07:52 PM
Aroclor 1268	ND		180	µg/Kg	1	7/27/2014 07:52 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 07:52 PM
Surr: Decachlorobiphenyl	*80.6*		*40-140*	*%REC*	1	7/27/2014 07:52 PM
Surr: Tetrachloro-m-xylene	*95.1*		*45-124*	*%REC*	1	7/27/2014 07:52 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B27	**Lab ID:**	14071167-46
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		110	µg/Kg	1	7/27/2014 08:09 PM
Aroclor 1221	ND		110	µg/Kg	1	7/27/2014 08:09 PM
Aroclor 1232	ND		110	µg/Kg	1	7/27/2014 08:09 PM
Aroclor 1242	ND		110	µg/Kg	1	7/27/2014 08:09 PM
Aroclor 1248	ND		110	µg/Kg	1	7/27/2014 08:09 PM
Aroclor 1254	ND		110	µg/Kg	1	7/27/2014 08:09 PM
Aroclor 1260	ND		110	µg/Kg	1	7/27/2014 08:09 PM
Aroclor 1262	ND		110	µg/Kg	1	7/27/2014 08:09 PM
Aroclor 1268	ND		110	µg/Kg	1	7/27/2014 08:09 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 08:09 PM
Surr: Decachlorobiphenyl	*82.2*		*40-140*	*%REC*	1	7/27/2014 08:09 PM
Surr: Tetrachloro-m-xylene	*93.0*		*45-124*	*%REC*	1	7/27/2014 08:09 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B28	**Lab ID:**	14071167-47
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		71	µg/Kg	1	7/27/2014 08:25 PM
Aroclor 1221	ND		71	µg/Kg	1	7/27/2014 08:25 PM
Aroclor 1232	ND		71	µg/Kg	1	7/27/2014 08:25 PM
Aroclor 1242	ND		71	µg/Kg	1	7/27/2014 08:25 PM
Aroclor 1248	ND		71	µg/Kg	1	7/27/2014 08:25 PM
Aroclor 1254	ND		71	µg/Kg	1	7/27/2014 08:25 PM
Aroclor 1260	ND		71	µg/Kg	1	7/27/2014 08:25 PM
Aroclor 1262	ND		71	µg/Kg	1	7/27/2014 08:25 PM
Aroclor 1268	ND		71	µg/Kg	1	7/27/2014 08:25 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 08:25 PM
Surr: Decachlorobiphenyl	*81.9*		*40-140*	*%REC*	1	7/27/2014 08:25 PM
Surr: Tetrachloro-m-xylene	*94.4*		*45-124*	*%REC*	1	7/27/2014 08:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B29	**Lab ID:**	14071167-48
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		32	µg/Kg	1	7/27/2014 08:41 PM
Aroclor 1221	ND		32	µg/Kg	1	7/27/2014 08:41 PM
Aroclor 1232	ND		32	µg/Kg	1	7/27/2014 08:41 PM
Aroclor 1242	ND		32	µg/Kg	1	7/27/2014 08:41 PM
Aroclor 1248	ND		32	µg/Kg	1	7/27/2014 08:41 PM
Aroclor 1254	ND		32	µg/Kg	1	7/27/2014 08:41 PM
Aroclor 1260	ND		32	µg/Kg	1	7/27/2014 08:41 PM
Aroclor 1262	ND		32	µg/Kg	1	7/27/2014 08:41 PM
Aroclor 1268	ND		32	µg/Kg	1	7/27/2014 08:41 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 08:41 PM
Surr: Decachlorobiphenyl	*84.4*		*40-140*	*%REC*	1	7/27/2014 08:41 PM
Surr: Tetrachloro-m-xylene	*95.6*		*45-124*	*%REC*	1	7/27/2014 08:41 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B30	**Lab ID:**	14071167-49
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		32	µg/Kg	1	7/27/2014 08:57 PM
Aroclor 1221	ND		32	µg/Kg	1	7/27/2014 08:57 PM
Aroclor 1232	ND		32	µg/Kg	1	7/27/2014 08:57 PM
Aroclor 1242	ND		32	µg/Kg	1	7/27/2014 08:57 PM
Aroclor 1248	ND		32	µg/Kg	1	7/27/2014 08:57 PM
Aroclor 1254	ND		32	µg/Kg	1	7/27/2014 08:57 PM
Aroclor 1260	ND		32	µg/Kg	1	7/27/2014 08:57 PM
Aroclor 1262	ND		32	µg/Kg	1	7/27/2014 08:57 PM
Aroclor 1268	ND		32	µg/Kg	1	7/27/2014 08:57 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 08:57 PM
Surr: Decachlorobiphenyl	*85.3*		*40-140*	*%REC*	1	7/27/2014 08:57 PM
Surr: Tetrachloro-m-xylene	*96.3*		*45-124*	*%REC*	1	7/27/2014 08:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B31	**Lab ID:**	14071167-50
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		140	µg/Kg	1	7/27/2014 09:13 PM
Aroclor 1221	ND		140	µg/Kg	1	7/27/2014 09:13 PM
Aroclor 1232	ND		140	µg/Kg	1	7/27/2014 09:13 PM
Aroclor 1242	ND		140	µg/Kg	1	7/27/2014 09:13 PM
Aroclor 1248	ND		140	µg/Kg	1	7/27/2014 09:13 PM
Aroclor 1254	ND		140	µg/Kg	1	7/27/2014 09:13 PM
Aroclor 1260	ND		140	µg/Kg	1	7/27/2014 09:13 PM
Aroclor 1262	ND		140	µg/Kg	1	7/27/2014 09:13 PM
Aroclor 1268	ND		140	µg/Kg	1	7/27/2014 09:13 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 09:13 PM
Surr: Decachlorobiphenyl	*84.1*		*40-140*	*%REC*	1	7/27/2014 09:13 PM
Surr: Tetrachloro-m-xylene	*94.6*		*45-124*	*%REC*	1	7/27/2014 09:13 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B32	**Lab ID:**	14071167-51
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		70	µg/Kg	1	7/27/2014 09:29 PM
Aroclor 1221	ND		70	µg/Kg	1	7/27/2014 09:29 PM
Aroclor 1232	ND		70	µg/Kg	1	7/27/2014 09:29 PM
Aroclor 1242	ND		70	µg/Kg	1	7/27/2014 09:29 PM
Aroclor 1248	ND		70	µg/Kg	1	7/27/2014 09:29 PM
Aroclor 1254	ND		70	µg/Kg	1	7/27/2014 09:29 PM
Aroclor 1260	ND		70	µg/Kg	1	7/27/2014 09:29 PM
Aroclor 1262	ND		70	µg/Kg	1	7/27/2014 09:29 PM
Aroclor 1268	ND		70	µg/Kg	1	7/27/2014 09:29 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 09:29 PM
Surr: Decachlorobiphenyl	*84.2*		*40-140*	*%REC*	1	7/27/2014 09:29 PM
Surr: Tetrachloro-m-xylene	*95.1*		*45-124*	*%REC*	1	7/27/2014 09:29 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B33	**Lab ID:**	14071167-52
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		77	µg/Kg	1	7/27/2014 09:46 PM
Aroclor 1221	ND		77	µg/Kg	1	7/27/2014 09:46 PM
Aroclor 1232	ND		77	µg/Kg	1	7/27/2014 09:46 PM
Aroclor 1242	ND		77	µg/Kg	1	7/27/2014 09:46 PM
Aroclor 1248	ND		77	µg/Kg	1	7/27/2014 09:46 PM
Aroclor 1254	**390**		**77**	**µg/Kg**	1	7/27/2014 09:46 PM
Aroclor 1260	ND		77	µg/Kg	1	7/27/2014 09:46 PM
Aroclor 1262	ND		77	µg/Kg	1	7/27/2014 09:46 PM
Aroclor 1268	ND		77	µg/Kg	1	7/27/2014 09:46 PM
PCBs, Total	**390**			**µg/Kg**	1	7/27/2014 09:46 PM
Surr: Decachlorobiphenyl	*84.6*		*40-140*	*%REC*	1	7/27/2014 09:46 PM
Surr: Tetrachloro-m-xylene	*97.2*		*45-124*	*%REC*	1	7/27/2014 09:46 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B34	**Lab ID:**	14071167-53
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		31	µg/Kg	1	7/27/2014 10:02 PM
Aroclor 1221	ND		31	µg/Kg	1	7/27/2014 10:02 PM
Aroclor 1232	ND		31	µg/Kg	1	7/27/2014 10:02 PM
Aroclor 1242	ND		31	µg/Kg	1	7/27/2014 10:02 PM
Aroclor 1248	ND		31	µg/Kg	1	7/27/2014 10:02 PM
Aroclor 1254	ND		31	µg/Kg	1	7/27/2014 10:02 PM
Aroclor 1260	ND		31	µg/Kg	1	7/27/2014 10:02 PM
Aroclor 1262	ND		31	µg/Kg	1	7/27/2014 10:02 PM
Aroclor 1268	ND		31	µg/Kg	1	7/27/2014 10:02 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 10:02 PM
Surr: Decachlorobiphenyl	*80.8*		*40-140*	*%REC*	1	7/27/2014 10:02 PM
Surr: Tetrachloro-m-xylene	*94.7*		*45-124*	*%REC*	1	7/27/2014 10:02 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B35	**Lab ID:**	14071167-54
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		19	µg/Kg	1	7/27/2014 10:18 PM
Aroclor 1221	ND		19	µg/Kg	1	7/27/2014 10:18 PM
Aroclor 1232	ND		19	µg/Kg	1	7/27/2014 10:18 PM
Aroclor 1242	ND		19	µg/Kg	1	7/27/2014 10:18 PM
Aroclor 1248	ND		19	µg/Kg	1	7/27/2014 10:18 PM
Aroclor 1254	**100**		**19**	**µg/Kg**	1	7/27/2014 10:18 PM
Aroclor 1260	ND		19	µg/Kg	1	7/27/2014 10:18 PM
Aroclor 1262	ND		19	µg/Kg	1	7/27/2014 10:18 PM
Aroclor 1268	ND		19	µg/Kg	1	7/27/2014 10:18 PM
PCBs, Total	**100**			**µg/Kg**	1	7/27/2014 10:18 PM
Surr: Decachlorobiphenyl	*85.3*		*40-140*	*%REC*	1	7/27/2014 10:18 PM
Surr: Tetrachloro-m-xylene	*95.8*		*45-124*	*%REC*	1	7/27/2014 10:18 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B36	**Lab ID:**	14071167-55
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		23	µg/Kg	1	7/27/2014 10:50 PM
Aroclor 1221	ND		23	µg/Kg	1	7/27/2014 10:50 PM
Aroclor 1232	ND		23	µg/Kg	1	7/27/2014 10:50 PM
Aroclor 1242	ND		23	µg/Kg	1	7/27/2014 10:50 PM
Aroclor 1248	ND		23	µg/Kg	1	7/27/2014 10:50 PM
Aroclor 1254	**150**		**23**	**µg/Kg**	1	7/27/2014 10:50 PM
Aroclor 1260	ND		23	µg/Kg	1	7/27/2014 10:50 PM
Aroclor 1262	ND		23	µg/Kg	1	7/27/2014 10:50 PM
Aroclor 1268	ND		23	µg/Kg	1	7/27/2014 10:50 PM
PCBs, Total	**150**			**µg/Kg**	1	7/27/2014 10:50 PM
Surr: Decachlorobiphenyl	*80.0*		*40-140*	*%REC*	1	7/27/2014 10:50 PM
Surr: Tetrachloro-m-xylene	*91.7*		*45-124*	*%REC*	1	7/27/2014 10:50 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B37	**Lab ID:**	14071167-56
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		40	µg/Kg	1	7/27/2014 11:07 PM
Aroclor 1221	ND		40	µg/Kg	1	7/27/2014 11:07 PM
Aroclor 1232	ND		40	µg/Kg	1	7/27/2014 11:07 PM
Aroclor 1242	ND		40	µg/Kg	1	7/27/2014 11:07 PM
Aroclor 1248	ND		40	µg/Kg	1	7/27/2014 11:07 PM
Aroclor 1254	ND		40	µg/Kg	1	7/27/2014 11:07 PM
Aroclor 1260	ND		40	µg/Kg	1	7/27/2014 11:07 PM
Aroclor 1262	ND		40	µg/Kg	1	7/27/2014 11:07 PM
Aroclor 1268	ND		40	µg/Kg	1	7/27/2014 11:07 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 11:07 PM
Surr: Decachlorobiphenyl	*86.2*		*40-140*	*%REC*	1	7/27/2014 11:07 PM
Surr: Tetrachloro-m-xylene	*93.6*		*45-124*	*%REC*	1	7/27/2014 11:07 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B38	**Lab ID:**	14071167-57
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		51	µg/Kg	1	7/27/2014 11:23 PM
Aroclor 1221	ND		51	µg/Kg	1	7/27/2014 11:23 PM
Aroclor 1232	ND		51	µg/Kg	1	7/27/2014 11:23 PM
Aroclor 1242	ND		51	µg/Kg	1	7/27/2014 11:23 PM
Aroclor 1248	ND		51	µg/Kg	1	7/27/2014 11:23 PM
Aroclor 1254	ND		51	µg/Kg	1	7/27/2014 11:23 PM
Aroclor 1260	ND		51	µg/Kg	1	7/27/2014 11:23 PM
Aroclor 1262	ND		51	µg/Kg	1	7/27/2014 11:23 PM
Aroclor 1268	ND		51	µg/Kg	1	7/27/2014 11:23 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 11:23 PM
Surr: Decachlorobiphenyl	*86.0*		*40-140*	*%REC*	1	7/27/2014 11:23 PM
Surr: Tetrachloro-m-xylene	*92.3*		*45-124*	*%REC*	1	7/27/2014 11:23 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B39	**Lab ID:**	14071167-58
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		32	µg/Kg	1	7/27/2014 11:39 PM
Aroclor 1221	ND		32	µg/Kg	1	7/27/2014 11:39 PM
Aroclor 1232	ND		32	µg/Kg	1	7/27/2014 11:39 PM
Aroclor 1242	ND		32	µg/Kg	1	7/27/2014 11:39 PM
Aroclor 1248	ND		32	µg/Kg	1	7/27/2014 11:39 PM
Aroclor 1254	ND		32	µg/Kg	1	7/27/2014 11:39 PM
Aroclor 1260	ND		32	µg/Kg	1	7/27/2014 11:39 PM
Aroclor 1262	ND		32	µg/Kg	1	7/27/2014 11:39 PM
Aroclor 1268	ND		32	µg/Kg	1	7/27/2014 11:39 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 11:39 PM
Surr: Decachlorobiphenyl	*86.6*		*40-140*	*%REC*	1	7/27/2014 11:39 PM
Surr: Tetrachloro-m-xylene	*92.8*		*45-124*	*%REC*	1	7/27/2014 11:39 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0712-EE-BA-B39A	**Lab ID:**	14071167-59
Collection Date:	7/12/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		33	µg/Kg	1	7/27/2014 11:55 PM
Aroclor 1221	ND		33	µg/Kg	1	7/27/2014 11:55 PM
Aroclor 1232	ND		33	µg/Kg	1	7/27/2014 11:55 PM
Aroclor 1242	ND		33	µg/Kg	1	7/27/2014 11:55 PM
Aroclor 1248	ND		33	µg/Kg	1	7/27/2014 11:55 PM
Aroclor 1254	ND		33	µg/Kg	1	7/27/2014 11:55 PM
Aroclor 1260	ND		33	µg/Kg	1	7/27/2014 11:55 PM
Aroclor 1262	ND		33	µg/Kg	1	7/27/2014 11:55 PM
Aroclor 1268	ND		33	µg/Kg	1	7/27/2014 11:55 PM
PCBs, Total	**ND**			**µg/Kg**	1	7/27/2014 11:55 PM
Surr: Decachlorobiphenyl	*86.3*		*40-140*	*%REC*	1	7/27/2014 11:55 PM
Surr: Tetrachloro-m-xylene	*93.8*		*45-124*	*%REC*	1	7/27/2014 11:55 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-B20	**Lab ID:**	14071167-60
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		32	µg/Kg	1	7/28/2014 12:11 AM
Aroclor 1221	ND		32	µg/Kg	1	7/28/2014 12:11 AM
Aroclor 1232	ND		32	µg/Kg	1	7/28/2014 12:11 AM
Aroclor 1242	ND		32	µg/Kg	1	7/28/2014 12:11 AM
Aroclor 1248	ND		32	µg/Kg	1	7/28/2014 12:11 AM
Aroclor 1254	ND		32	µg/Kg	1	7/28/2014 12:11 AM
Aroclor 1260	ND		32	µg/Kg	1	7/28/2014 12:11 AM
Aroclor 1262	ND		32	µg/Kg	1	7/28/2014 12:11 AM
Aroclor 1268	ND		32	µg/Kg	1	7/28/2014 12:11 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/28/2014 12:11 AM
Surr: Decachlorobiphenyl	*88.8*		*40-140*	*%REC*	1	7/28/2014 12:11 AM
Surr: Tetrachloro-m-xylene	*96.3*		*45-124*	*%REC*	1	7/28/2014 12:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-B21	**Lab ID:**	14071167-61
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		84	µg/Kg	1	7/28/2014 01:16 AM
Aroclor 1221	ND		84	µg/Kg	1	7/28/2014 01:16 AM
Aroclor 1232	ND		84	µg/Kg	1	7/28/2014 01:16 AM
Aroclor 1242	ND		84	µg/Kg	1	7/28/2014 01:16 AM
Aroclor 1248	ND		84	µg/Kg	1	7/28/2014 01:16 AM
Aroclor 1254	ND		84	µg/Kg	1	7/28/2014 01:16 AM
Aroclor 1260	ND		84	µg/Kg	1	7/28/2014 01:16 AM
Aroclor 1262	ND		84	µg/Kg	1	7/28/2014 01:16 AM
Aroclor 1268	ND		84	µg/Kg	1	7/28/2014 01:16 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/28/2014 01:16 AM
Surr: Decachlorobiphenyl	*87.6*		*40-140*	*%REC*	1	7/28/2014 01:16 AM
Surr: Tetrachloro-m-xylene	*93.5*		*45-124*	*%REC*	1	7/28/2014 01:16 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-B22	**Lab ID:**	14071167-62
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		28	µg/Kg	1	7/28/2014 01:32 AM
Aroclor 1221	ND		28	µg/Kg	1	7/28/2014 01:32 AM
Aroclor 1232	ND		28	µg/Kg	1	7/28/2014 01:32 AM
Aroclor 1242	ND		28	µg/Kg	1	7/28/2014 01:32 AM
Aroclor 1248	ND		28	µg/Kg	1	7/28/2014 01:32 AM
Aroclor 1254	ND		28	µg/Kg	1	7/28/2014 01:32 AM
Aroclor 1260	ND		28	µg/Kg	1	7/28/2014 01:32 AM
Aroclor 1262	ND		28	µg/Kg	1	7/28/2014 01:32 AM
Aroclor 1268	ND		28	µg/Kg	1	7/28/2014 01:32 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/28/2014 01:32 AM
Surr: Decachlorobiphenyl	*73.9*		*40-140*	*%REC*	1	7/28/2014 01:32 AM
Surr: Tetrachloro-m-xylene	*79.4*		*45-124*	*%REC*	1	7/28/2014 01:32 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-B13	**Lab ID:**	14071167-63
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		32	µg/Kg	1	7/28/2014 01:48 AM
Aroclor 1221	ND		32	µg/Kg	1	7/28/2014 01:48 AM
Aroclor 1232	ND		32	µg/Kg	1	7/28/2014 01:48 AM
Aroclor 1242	ND		32	µg/Kg	1	7/28/2014 01:48 AM
Aroclor 1248	ND		32	µg/Kg	1	7/28/2014 01:48 AM
Aroclor 1254	ND		32	µg/Kg	1	7/28/2014 01:48 AM
Aroclor 1260	ND		32	µg/Kg	1	7/28/2014 01:48 AM
Aroclor 1262	ND		32	µg/Kg	1	7/28/2014 01:48 AM
Aroclor 1268	ND		32	µg/Kg	1	7/28/2014 01:48 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/28/2014 01:48 AM
Surr: Decachlorobiphenyl	*81.3*		*40-140*	*%REC*	1	7/28/2014 01:48 AM
Surr: Tetrachloro-m-xylene	*85.6*		*45-124*	*%REC*	1	7/28/2014 01:48 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *01-Aug-14*

Client:	ENVIRON International Corp		
Project:	Edison Elementary 7.11-7.12.14	**Work Order:**	14071167
Sample ID:	0711-EE-BA-B14	**Lab ID:**	14071167-64
Collection Date:	7/11/2014	**Matrix:**	BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 7/25/14	Analyst: **JC**
Aroclor 1016	ND		30	µg/Kg	1	7/28/2014 02:04 AM
Aroclor 1221	ND		30	µg/Kg	1	7/28/2014 02:04 AM
Aroclor 1232	ND		30	µg/Kg	1	7/28/2014 02:04 AM
Aroclor 1242	ND		30	µg/Kg	1	7/28/2014 02:04 AM
Aroclor 1248	ND		30	µg/Kg	1	7/28/2014 02:04 AM
Aroclor 1254	ND		30	µg/Kg	1	7/28/2014 02:04 AM
Aroclor 1260	ND		30	µg/Kg	1	7/28/2014 02:04 AM
Aroclor 1262	ND		30	µg/Kg	1	7/28/2014 02:04 AM
Aroclor 1268	ND		30	µg/Kg	1	7/28/2014 02:04 AM
PCBs, Total	**ND**			**µg/Kg**	1	7/28/2014 02:04 AM
Surr: Decachlorobiphenyl	*82.6*		*40-140*	*%REC*	1	7/28/2014 02:04 AM
Surr: Tetrachloro-m-xylene	*86.7*		*45-124*	*%REC*	1	7/28/2014 02:04 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 01-Aug-14

Client: ENVIRON International Corp
Work Order: 14071167
Project: Edison Elementary 7.11-7.12.14

QC BATCH REPORT

Batch ID: **60908** Instrument ID **GC14** Method: **SW8082**

MBLK Sample ID: **PBLKS1-60908-60908** Units: **µg/Kg** Analysis Date: **7/27/2014 05:02 AM**

Client ID: Run ID: **GC14_140726A** SeqNo: **2869842** Prep Date: **7/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	33								
Aroclor 1221	ND	33								
Aroclor 1232	ND	33								
Aroclor 1242	ND	33								
Aroclor 1248	ND	33								
Aroclor 1254	ND	33								
Aroclor 1260	ND	33								
Aroclor 1262	ND	33								
Aroclor 1268	ND	33								
PCBs, Total	ND	0								
Surr: Decachlorobiphenyl	*143*	0	*166*	0	*86.1*	*50-130*		0		
Surr: Tetrachloro-m-xylene	*145.2*	0	*166*	0	*87.5*	*45-124*		0		

LCS Sample ID: **PLCSS1-60908-60908** Units: **µg/Kg** Analysis Date: **7/27/2014 05:18 AM**

Client ID: Run ID: **GC14_140726A** SeqNo: **2869843** Prep Date: **7/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	1274	33	1666	0	76.5	50-130		0		
Aroclor 1260	1247	33	1666	0	74.9	50-130		0		
Surr: Decachlorobiphenyl	*133.8*	0	*166*	0	*80.6*	*50-130*		0		
Surr: Tetrachloro-m-xylene	*135.8*	0	*166*	0	*81.8*	*45-124*		0		

The following samples were analyzed in this batch:

14071167-01A	14071167-02A	14071167-03A
14071167-04A	14071167-05A	14071167-06A
14071167-07A	14071167-08A	14071167-09A
14071167-10A	14071167-11A	14071167-12A
14071167-13A	14071167-14A	14071167-15A
14071167-16A	14071167-17A	14071167-18A
14071167-19A	14071167-20A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ENVIRON International Corp
Work Order: 14071167
Project: Edison Elementary 7.11-7.12.14

QC BATCH REPORT

Batch ID: **60933** Instrument ID **GC14** Method: **SW8082**

MBLK Sample ID: **PBLKS1-60933-60933** Units: **µg/Kg** Analysis Date: **7/29/2014 02:06 AM**

Client ID: Run ID: **GC14_140728A** SeqNo: **2870212** Prep Date: **7/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	33								
Aroclor 1221	ND	33								
Aroclor 1232	ND	33								
Aroclor 1242	ND	33								
Aroclor 1248	ND	33								
Aroclor 1254	ND	33								
Aroclor 1260	ND	33								
Aroclor 1262	ND	33								
Aroclor 1268	ND	33								
PCBs, Total	ND	0								
Surr: Decachlorobiphenyl	*126.1*	0	*166*	0	*76*	*50-130*	0			
Surr: Tetrachloro-m-xylene	*159.4*	0	*166*	0	*96.1*	*45-124*	0			

LCS Sample ID: **PLCSS1-60933-60933** Units: **µg/Kg** Analysis Date: **7/29/2014 02:23 AM**

Client ID: Run ID: **GC14_140728A** SeqNo: **2870213** Prep Date: **7/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	1745	33	1666	0	105	50-130	0			
Aroclor 1260	1550	33	1666	0	93	50-130	0			
Surr: Decachlorobiphenyl	*141.3*	0	*166*	0	*85.1*	*50-130*	0			
Surr: Tetrachloro-m-xylene	*170.6*	0	*166*	0	*103*	*45-124*	0			

The following samples were analyzed in this batch:

14071167-21A	14071167-22A	14071167-23A
14071167-24A	14071167-25A	14071167-26A
14071167-27A	14071167-28A	14071167-29A
14071167-30A	14071167-31A	14071167-32A
14071167-33A	14071167-34A	14071167-35A
14071167-36A	14071167-37A	14071167-38A
14071167-39A	14071167-40A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ENVIRON International Corp
Work Order: 14071167
Project: Edison Elementary 7.11-7.12.14

QC BATCH REPORT

Batch ID: **60969** Instrument ID **GC14** Method: **SW8082**

MBLK Sample ID: **PBLKS1-60969-60969** Units: **µg/Kg** Analysis Date: **7/27/2014 05:59 PM**

Client ID: Run ID: **GC14_140726A** SeqNo: **2869866** Prep Date: **7/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	33								
Aroclor 1221	ND	33								
Aroclor 1232	ND	33								
Aroclor 1242	ND	33								
Aroclor 1248	ND	33								
Aroclor 1254	ND	33								
Aroclor 1260	ND	33								
Aroclor 1262	ND	33								
Aroclor 1268	ND	33								
PCBs, Total	ND	0								
Surr: Decachlorobiphenyl	*124.2*	0	*166*	0	*74.8*	*50-130*		0		
Surr: Tetrachloro-m-xylene	*144.4*	0	*166*	0	*87*	*45-124*		0		

LCS Sample ID: **PLCSS1-60969-60969** Units: **µg/Kg** Analysis Date: **7/27/2014 06:15 PM**

Client ID: Run ID: **GC14_140726A** SeqNo: **2869867** Prep Date: **7/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	1407	33	1666	0	84.4	50-130		0		
Aroclor 1260	1301	33	1666	0	78.1	50-130		0		
Surr: Decachlorobiphenyl	*124.3*	0	*166*	0	*74.9*	*50-130*		0		
Surr: Tetrachloro-m-xylene	*140.9*	0	*166*	0	*84.9*	*45-124*		0		

The following samples were analyzed in this batch:

14071167-41A	14071167-42A	14071167-43A
14071167-44A	14071167-45A	14071167-46A
14071167-47A	14071167-48A	14071167-49A
14071167-50A	14071167-51A	14071167-52A
14071167-53A	14071167-54A	14071167-55A
14071167-56A	14071167-57A	14071167-58A
14071167-59A	14071167-60A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ENVIRON International Corp
Work Order: 14071167
Project: Edison Elementary 7.11-7.12.14

QC BATCH REPORT

Batch ID: **60970** Instrument ID **GC14** Method: **SW8082**

MBLK Sample ID: **PBLKS1-60970-60970** Units: **µg/Kg** Analysis Date: **7/28/2014 12:27 AM**

Client ID: Run ID: **GC14_140726A** SeqNo: **2869888** Prep Date: **7/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	33								
Aroclor 1221	ND	33								
Aroclor 1232	ND	33								
Aroclor 1242	ND	33								
Aroclor 1248	ND	33								
Aroclor 1254	ND	33								
Aroclor 1260	ND	33								
Aroclor 1262	ND	33								
Aroclor 1268	ND	33								
PCBs, Total	ND	0								
Surr: Decachlorobiphenyl	*135.9*	0	*166*	0	*81.8*	*50-130*		0		
Surr: Tetrachloro-m-xylene	*145.1*	0	*166*	0	*87.4*	*45-124*		0		

LCS Sample ID: **PLCSS1-60970-60970** Units: **µg/Kg** Analysis Date: **7/28/2014 12:44 AM**

Client ID: Run ID: **GC14_140726A** SeqNo: **2869889** Prep Date: **7/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	1463	33	1666	0	87.8	50-130		0		
Aroclor 1260	1426	33	1666	0	85.6	50-130		0		
Surr: Decachlorobiphenyl	*137.7*	0	*166*	0	*83*	*50-130*		0		
Surr: Tetrachloro-m-xylene	*142.4*	0	*166*	0	*85.8*	*45-124*		0		

The following samples were analyzed in this batch:

14071167-61A	14071167-62A	14071167-63A
14071167-64A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

1419843

WO#1407167

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status 1419845

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____ DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 7/12/14 Purchase Order No. _____

3. Company Name ENVIRON
Address 18100 Von Karman Ave, Suite 600
Irvine, CA 92612
Person to Contact Doug Lindsay
Telephone (617) 360-1697
Fax Telephone ( )
E-mail Address dlindsay@environcorp.com
Billing Address (if different from above)

4. Quote No. _____
ALS Project Manager Paul Pope

5. Sample Collection
Sampling Site Edison Elementary
Industrial Process
Date of Collection 7/12/14
Time Collected
Date of Shipment 7/13/14
Chain of Custody No. 1 of 5

6. How did you first learn about ALS?

7. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
-1	0712-EE-BD/N-B1	Bulk	2oz	PCB 8082	3
-2	0712-EE-BD/N-B2	↓	↓	↓	↓
-3	0712-EE-BD/N-B3				
-4	0712-EE-BD/N-B4				
-5	0712-EE-BD/N-B5				
-6	0712-EE-BD/N-B6				
-7	0712-EE-BD/N-B7				
-8	0712-EE-BD/N-B8				
-9	0712-EE-BD/N-B9				
-10	0712-EE-BD/N-B10				
-11	0712-EE-BD/N-B11				
-12	0712-EE-BD/N-B12				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1. µg/sample 2. mg/m³ 3. ppm 4. % 5. µg/m³ 6.____ (other) Please indicate one or more units in the column entitled Units**

Comments

Possible Contamination and/or Chemical Hazards

7. Chain of Custody (Optional)

Relinquished by	[signature]	Date/Time	7/13/14 5:00pm
Received by	Fed Ex	Date/Time	
Relinquished by	Fed Ex	Date/Time	
Received by	[signature]	Date/Time	07/17/14 0935

960 West LeVoy Drive / Salt Lake City, UT 84123 800-356-9135 or 801-266-7700 / FAX: 801-268-9992

ALS Environmental

7/22/14 2:55pm

Recieved by (Laboratory): [signature] 7/23/14 1030

20.6°C

[For lab use only]

WO# 1407162 13103/8

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____ DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 7/12/14 Purchase Order No. _____

3. Company Name ENVIRON
Address 18100 Von Karman Ave, Suite 600
Irvine, CA 92612
Person to Contact Doug Lindsay
Telephone (617) 360-1697
Fax Telephone ( )
E-mail Address dlindsay@environcorp.com
Billing Address (if different from above)

4. Quote No. _____
ALS Project Manager Paul Pope

5. Sample Collection
Sampling Site Edison Elementary
Industrial Process
Date of Collection 7/12/14
Time Collected
Date of Shipment 7/13/14
Chain of Custody No. 2 of 5

6. How did you first learn about ALS?

7. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
-13	0712-EE-BC-B11	Bulk	2 oz	PCB 8082	3
-14	0712-EE-BC-B10				
-15	0712-EE-BC-B1				
-16	0712-EE-BC-B1A				
-17	0712-EE-BC-B2				
-18	0712-EE-BC-B3				
-19	0712-EE-BC-B4				
-20	0712-EE-BC-B5				
-21	0712-EE-BC-B6				
-22	0712-EE-BC-B6A				
-23	0712-EE-BC-B7				
-24	0712-EE-BC-B8				
-25	0712-EE-BC-B8A				
-26	0712-EE-BC-B9				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1. µg/sample 2. mg/m³ 3. ppm 4. % 5. µg/m³ 6.____ (other) Please indicate one or more units in the column entitled Units**

Comments

Possible Contamination and/or Chemical Hazards

7. Chain of Custody (Optional)

Relinquished by	[signature]	Date/Time	7/13/14 5:00pm
Received by	Fed Ex	Date/Time	
Relinquished by	Fed Ex	Date/Time	
Received by	[signature]	Date/Time	07/17/14 0935

960 West LeVoy Drive / Salt Lake City, UT 84123 800-356-9135 or 801-266-7700 / FAX: 801-268-9992
ALS Environmental

07/22/14 2:55pm

Rcd by (Lab): [signature] 7/23/14 1030

20.6°C

WO#1407 1162

[For lab use only]

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____ DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 7/12/14 Purchase Order No. _____

3. Company Name ENVIRON
Address 18100 Von Karman Ave, Suite 600
Irvine, CA 92612
Person to Contact Doug Lindsay
Telephone (617) 360-1697
Fax Telephone ( )
E-mail Address dlindsay@environcorp.com
Billing Address (if different from above)

4. Quote No. _____
ALS Project Manager Paul Pope

5. Sample Collection
Sampling Site Edison Elementary
Industrial Process
Date of Collection 7/11/14 - 7/12/14
Time Collected
Date of Shipment 7/13/14
Chain of Custody No. 3 of 5

6. How did you first learn about ALS?

7. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
-27	0711-EE-BA-B14A	Bulk	2oz	PCB 8082	3
-28	0711-EE-BA-B15				
-29	0711-EE-BA-B16				
-30	0711-EE-BA-B17				
-31	0711-EE-BA-B18				
-32	0711-EE-BA-B18A				
-33	0711-EE-BA-B19				
-34	0712-EE-BC-B18				
-35	0712-EE-BC-B17				
-36	0712-EE-BC-B16				
-37	0712-EE-BC-B15				
-38	0712-EE-BC-B14				
-39	0712-EE-BC-B13				
-40	0712-EE-BC-B12				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1. µg/sample 2. mg/m³ 3. ppm 4. % 5. µg/m³ 6.____ (other) Please indicate one or more units in the column entitled Units**

Comments

Possible Contamination and/or Chemical Hazards

7. Chain of Custody (Optional)

Relinquished by	[signature]	Date/Time	7/13/14 5:00pm
Received by	Fed Ex	Date/Time	
Relinquished by	FedEx	Date/Time	
Received by	[signature]	Date/Time	07/17/14 0935

960 West LeVoy Drive / Salt Lake City, UT 84123 800-356-9135 or 801-266-7700 / FAX: 801-268-9992
ALS Environmental

7/22/14 2:55pm

Rcd by: (Lab) [signature] 7/23/14 1030 20.6°C

[For lab use only]

WO#1407 1162

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____ DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 7/12/14 Purchase Order No. _____

3. Company Name ENVIRON
Address 18100 Von Karman Avenue, Suite 600
Irvine, CA 92612
Person to Contact Doug Lindsay
Telephone (617) 360-1697
Fax Telephone ( )
E-mail Address dlindsay@environcorp.com
Billing Address (if different from above)

4. Quote No. _____
ALS Project Manager Paul Pope

5. Sample Collection
Sampling Site Edison Elementary
Industrial Process
Date of Collection 7/12/14
Time Collected
Date of Shipment 7/13/14
Chain of Custody No. 4 of 5

6. How did you first learn about ALS?

7. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
-41	0712-EE-BA-B23	BULK	20z	PCB 8082	3
-42	0712-EE-BA-B24				
-43	0712-EE-BA-B25				
-44	0712-EE-BA-B26				
-45	0712-EE-BA-B26A				
-46	0712-EE-BA-B27				
-47	0712-EE-BA-B28				
-48	0712-EE-BA-B29				
-49	0712-EE-BA-B30				
-50	0712-EE-BA-B31				
-51	0712-EE-BA-B32				
-52	0712-EE-BA-B33				
-53	0712-EE-BA-B34				
-54	0712-EE-BA-B35				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1. µg/sample 2. mg/m³ 3. ppm 4. % 5. µg/m³ 6.____ (other) Please indicate one or more units in the column entitled Units**

Comments

Possible Contamination and/or Chemical Hazards

7. Chain of Custody (Optional)

Relinquished by	[signature]	Date/Time	7/13/14 5:00pm
Received by	Fed Ex	Date/Time	
Relinquished by	Fedex	Date/Time	
Received by	[signature]	Date/Time	07/17/14 0935

960 West LeVoy Drive / Salt Lake City, UT 84123 800-356-9135 or 801-266-7700 / FAX: 801-268-9992
ALS Environmental

7/22/14 2:55pm

Rec'd by: (Lab) [signature] 7/23/14 1030

20.6°C

[For lab use only]

WO# 14071162

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____ DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 7/12/14 Purchase Order No. _____

3. Company Name ENVIRON
Address 18100 Von Karman Ave, Suite 600
Irvine, CA 92612
Person to Contact Doug Lindsay
Telephone (61?) 360-1697
Fax Telephone ( )
E-mail Address dlindsay@environcorp.com
Billing Address (if different from above)

4. Quote No. _____
ALS Project Manager Paul Page

5. Sample Collection
Sampling Site Edison Elementary
Industrial Process
Date of Collection 7/11-7/12/14
Time Collected
Date of Shipment 7/13/14
Chain of Custody No. 5 of 5

6. How did you first learn about ALS?

7. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	0712-EE-BA-B32	Bulk	20z	PCB8082	3
07/17/14 QA listed on previous page	0712-EE-BA-B33				
	0712-EE-BA-B34				
	0712-EE-BA-B35				
-55	0712-EE-BA-B36				
-56	0712-EE-BA-B37				
-57	0712-EE-BA-B38				
-58	0712-EE-BA-B39				
-59	0712-EE-BA-B39A				
-60	0711-EE-BA-B20				
-61	0711-EE-BA-B21				
-62	0711-EE-BA-B22				
-63	0711-EE-BA-B13				
-64	0711-EE-BA-B14				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1. µg/sample 2. mg/m³ 3. ppm 4. % 5. µg/m³ 6.____ (other) Please indicate one or more units in the column entitled Units**

Comments

Possible Contamination and/or Chemical Hazards

7. Chain of Custody (Optional)

Relinquished by	[signature]	Date/Time	7/13/14 5:00pm
Received by	FedEx	Date/Time	
Relinquished by	FedEx	Date/Time	
Received by	[signature]	Date/Time	07/17/14 0935

960 West LeVoy Drive / Salt Lake City, UT 84123 800-356-9135 or 801-266-7700 / FAX: 801-268-9992
ALS Environmental

7/22/14 2:56pm

Rcd by: (Lab) [signature] 7/23/14 1030 20.6°C

ALS Environmental

CHAIN-OF-CUSTODY

Project / Job / Task:	Split:	Workorder ID: 1419843	Level: ENV_LVL4
Client: Environ Corporation		Account: 7003	Type: BULK
Comments:			Preservatives: COOL

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Containers ID(s)	Containers Count	Requested Analysis SW8082
1	07/12/2014 00:00	0712-EE-BD/N-B1	1419843001		Soil/Solid/Sediment	A	1	A
2	07/12/2014 00:00	0712-EE-BD/N-B2	1419843002		Soil/Solid/Sediment	A	1	A
3	07/12/2014 00:00	0712-EE-BD/N-B3	1419843003		Soil/Solid/Sediment	A	1	A
4	07/12/2014 00:00	0712-EE-BD/N-B4	1419843004		Soil/Solid/Sediment	A	1	A
5	07/12/2014 00:00	0712-EE-BD/N-B5	1419843005		Soil/Solid/Sediment	A	1	A
6	07/12/2014 00:00	0712-EE-BD/N-B6	1419843006		Soil/Solid/Sediment	A	1	A
7	07/12/2014 00:00	0712-EE-BD/N-B7	1419843007		Soil/Solid/Sediment	A	1	A
8	07/12/2014 00:00	0712-EE-BD/N-B8	1419843008		Soil/Solid/Sediment	A	1	A
9	07/12/2014 00:00	0712-EE-BD/N-B9	1419843009		Soil/Solid/Sediment	A	1	A
10	07/12/2014 00:00	0712-EE-BD/N-B10	1419843010		Soil/Solid/Sediment	A	1	A

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Edwards, Meredith D.	07/17/2014 09:35	ALS Sample Receiving	Sample Login
[signature]	7/17/14 1445	R331 cut	Storage
R-33-1	7/22/14 1245	READ FIELD TB	EXT
[signature]	7/22/14 2x	[signature]	

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: _____ Lab Notebook No.: _____

Prepared / Analyzed by: _____ Date / Time: _____

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location

ALS Environmental

CHAIN-OF-CUSTODY

Project / Job / Task:	Split:	Workorder ID: 1419843	Level: ENV_LVL4
Client: Environ Corporation		Account: 7003	Type: BULK
Comments:			Preservatives: COOL

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Containers ID(s)	Containers Count	Requested Analysis SW8062
11	07/12/2014 00:00	0712-EE-BD/N-B11	1419843011		Soil/Solid/Sediment	A	1	A
12	07/12/2014 00:00	0712-EE-BD/N-B12	1419843012		Soil/Solid/Sediment	A	1	A
13	07/12/2014 00:00	0712-EE-BC-B11	1419843013		Soil/Solid/Sediment	A	1	A
14	07/12/2014 00:00	0712-EE-BC-B10	1419843014		Soil/Solid/Sediment	A	1	A
15	07/12/2014 00:00	0712-EE-BC-B1	1419843015		Soil/Solid/Sediment	A	1	A
16	07/12/2014 00:00	0712-EE-BC-B1A	1419843016		Soil/Solid/Sediment	A	1	A
17	07/12/2014 00:00	0712-EE-BC-B2	1419843017		Soil/Solid/Sediment	A	1	A
18	07/12/2014 00:00	0712-EE-BC-B3	1419843018		Soil/Solid/Sediment	A	1	A
19	07/12/2014 00:00	0712-EE-BC-B4	1419843019		Soil/Solid/Sediment	A	1	A
20	07/12/2014 00:00	0712-EE-BC-B5	1419843020		Soil/Solid/Sediment	A	1	A

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Edwards, Meredith D.	07/17/2014 09:35	ALS Sample Receiving	Sample Login
[signature]	7/17/14 1445	RMI Cart	Sorry
R-33-1	7/21/14 1245	READ FRITTS	EXT
[signature]	7/22/14 2:55	[signature]	

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: _____ Lab Notebook No.: _____

Prepared / Analyzed by: _____ Date / Time: _____

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location

ALS Environmental

CHAIN-OF-CUSTODY

Project / Job / Task:	Split:	Workorder ID: 1419843	Level: ENV_LVL4
Client: Environ Corporation		Account: 7003	Type: BULK
Comments:			Preservatives: COOL

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Containers ID(s)	Containers Count	Requested Analysis: SW8082
21	07/12/2014 00:00	0712-EE-BC-B6	1419843021		Soil/Solid/Sediment	A	1	A
22	07/12/2014 00:00	0712-EE-BC-B6A	1419843022		Soil/Solid/Sediment	A	1	A
23	07/12/2014 00:00	0712-EE-BC-B7	1419843023		Soil/Solid/Sediment	A	1	A
24	07/12/2014 00:00	0712-EE-BC-B8	1419843024		Soil/Solid/Sediment	A	1	A
25	07/12/2014 00:00	0712-EE-BC-B8A	1419843025		Soil/Solid/Sediment	A	1	A
26	07/12/2014 00:00	0712-EE-BC-B9	1419843026		Soil/Solid/Sediment	A	1	A
27	07/11/2014 00:00	0711-EE-BA-B14A	1419843027		Soil/Solid/Sediment	A	1	A
28	07/11/2014 00:00	0711-EE-BA-B15	1419843028		Soil/Solid/Sediment	A	1	A
29	07/11/2014 00:00	0711-EE-BA-B16	1419843029		Soil/Solid/Sediment	A	1	A
30	07/11/2014 00:00	0711-EE-BA-B17	1419843030		Soil/Solid/Sediment	A	1	A

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Edwards, Meredith D.	07/17/2014 09:35	ALS Sample Receiving	Sample Login
[signature]	7/17/14 1445	R331 cut	Storage
R-33-1	7/22/14 1245	READFRETTE	EXT
[signature]	7/22/14 2355	[signature]	

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: _____ Lab Notebook No.: _____

Prepared / Analyzed by: _____ Date / Time: _____

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location

ALS Environmental

CHAIN-OF-CUSTODY

Project / Job / Task:	Split:	Workorder ID: 1419843	Level: ENV_LVL4
Client: Environ Corporation		Account: 7003	Type: BULK
Comments:			Preservatives: COOL

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Containers ID(s)	Containers Count	Requested Analysis: SW8082
31	07/11/2014 00:00	0711-EE-BA-B18	1419843031		Soil/Solid/Sediment	A	1	A
32	07/11/2014 00:00	0711-EE-BA-B18A	1419843032		Soil/Solid/Sediment	A	1	A
33	07/11/2014 00:00	0711-EE-BA-B19	1419843033		Soil/Solid/Sediment	A	1	A
34	07/12/2014 00:00	0712-EE-BC-B18	1419843034		Soil/Solid/Sediment	A	1	A
35	07/12/2014 00:00	0712-EE-BC-B17	1419843035		Soil/Solid/Sediment	A	1	A
36	07/12/2014 00:00	0712-EE-BC-B16	1419843036		Soil/Solid/Sediment	A	1	A
37	07/12/2014 00:00	0712-EE-BC-B15	1419843037		Soil/Solid/Sediment	A	1	A
38	07/12/2014 00:00	0712-EE-BC-B14	1419843038		Soil/Solid/Sediment	A	1	A
39	07/12/2014 00:00	0712-EE-BC-B13	1419843039		Soil/Solid/Sediment	A	1	A
40	07/12/2014 00:00	0712-EE-BC-B12	1419843040		Soil/Solid/Sediment	A	1	A

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Edwards, Meredith D.	07/17/2014 09:35	ALS Sample Receiving	Sample Login
[illegible]	7/17/14 1445	[illegible]	Storage
R-33-1	7/22/14 1245	[illegible]	EXT
[illegible]	7/22/14 2:05	[illegible]	

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: _____ Lab Notebook No.: _____

Prepared / Analyzed by: _____ Date / Time: _____

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location

ALS Environmental

CHAIN-OF-CUSTODY

Project / Job / Task:	Split:	Workorder ID: 1419843	Level: ENV_LVL4
Client: Environ Corporation		Account: 7003	Type: BULK
Comments:			Preservatives: COOL

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Containers ID(s)	Containers Count	Requested Analysis: SW8082
41	07/12/2014 00:00	0712-EE-BA-B23	1419843041		Soil/Solid/Sediment	A	1	A
42	07/12/2014 00:00	0712-EE-BA-B24	1419843042		Soil/Solid/Sediment	A	1	A
43	07/12/2014 00:00	0712-EE-BA-B25	1419843043		Soil/Solid/Sediment	A	1	A
44	07/12/2014 00:00	0712-EE-BA-B26	1419843044		Soil/Solid/Sediment	A	1	A
45	07/12/2014 00:00	0712-EE-BA-B26A	1419843045		Soil/Solid/Sediment	A	1	A
46	07/12/2014 00:00	0712-EE-BA-B27	1419843046		Soil/Solid/Sediment	A	1	A
47	07/12/2014 00:00	0712-EE-BA-B28	1419843047		Soil/Solid/Sediment	A	1	A
48	07/12/2014 00:00	0712-EE-BA-B29	1419843048		Soil/Solid/Sediment	A	1	A
49	07/12/2014 00:00	0712-EE-BA-B30	1419843049		Soil/Solid/Sediment	A	1	A
50	07/12/2014 00:00	0712-EE-BA-B31	1419843050		Soil/Solid/Sediment	A	1	A

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Edwards, Meredith D.	07/17/2014 09:35	ALS Sample Receiving	Sample Login
[illegible]	7/17/14 1445	R331 Out	Storage
R-33-1	7/21/14 1245	READ FREEZER	EXT
[illegible]	7/22/14 [illegible]	[illegible]	

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: _____ Lab Notebook No.: _____

Prepared / Analyzed by: _____ Date / Time: _____

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location

ALS Environmental

CHAIN-OF-CUSTODY

Project / Job / Task:	Split:	Workorder ID: 1419843	Level: ENV_LVL4
Client: Environ Corporation		Account: 7003	Type: BULK
Comments:			Preservatives: COOL

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Containers ID(s)	Containers Count	SW8082
51	07/12/2014 00:00	0712-EE-BA-B32	1419843051		Soil/Solid/Sediment	A	1	A
52	07/12/2014 00:00	0712-EE-BA-B33	1419843052		Soil/Solid/Sediment	A	1	A
53	07/12/2014 00:00	0712-EE-BA-B34	1419843053		Soil/Solid/Sediment	A	1	A
54	07/12/2014 00:00	0712-EE-BA-B35	1419843054		Soil/Solid/Sediment	A	1	A
55	07/12/2014 00:00	0712-EE-BA-B36	1419843055		Soil/Solid/Sediment	A	1	A
56	07/12/2014 00:00	0712-EE-BA-B37	1419843056		Soil/Solid/Sediment	A	1	A
57	07/12/2014 00:00	0712-EE-BA-B38	1419843057		Soil/Solid/Sediment	A	1	A
58	07/12/2014 00:00	0712-EE-BA-B39	1419843058		Soil/Solid/Sediment	A	1	A
59	07/12/2014 00:00	0712-EE-BA-B39A	1419843059		Soil/Solid/Sediment	A	1	A
60	07/11/2014 00:00	0711-EE-BA-B20	1419843060		Soil/Solid/Sediment	A	1	A

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Edwards, Meredith D.	07/17/2014 09:35	ALS Sample Receiving	Sample Login
[illegible]	7/17/14 1400	RDD/cut	Group
R-32-1	7/22/14 1245	REDFRETTS	EXT
[illegible]	7/22/14 12:50	[illegible]	

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: _____ Lab Notebook No.: _____

Prepared / Analyzed by: _____ Date / Time: _____

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location

ALS Environmental

CHAIN-OF-CUSTODY

Project / Job / Task:	Split:	Workorder ID: 1419843	Level: ENV_LVL4
Client: Environ Corporation		Account: 7003	Type: BULK
Comments:			Preservatives: COOL

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Containers ID(s)	Containers Count	Requested Analysis: SW8082
61	07/11/2014 00:00	0711-EE-BA-B21	1419843061		Soil/Solid/Sediment	A	1	A
62	07/11/2014 00:00	0711-EE-BA-B22	1419843062		Soil/Solid/Sediment	A	1	A
63	07/11/2014 00:00	0711-EE-BA-B13	1419843063		Soil/Solid/Sediment	A	1	A
64	07/11/2014 00:00	0711-EE-BA-B14	1419843064		Soil/Solid/Sediment	A	1	A
65								
66								
67								
68								
69								
70								

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Edwards, Meredith D.	07/17/2014 09:35	ALS Sample Receiving	Sample Login
[illegible]	7/17/14 [illegible]	[illegible]	[illegible]
R-32-1	7/22/14 1245	[illegible]	EXT
[illegible]	7/22/14 2350	[illegible]	

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: _____ Lab Notebook No.: _____

Prepared / Analyzed by: _____ Date / Time: _____

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location

SECURITY SEAL

ALS Laboratory Group

Environmental Division

38

00

FedEx Express Package US Airbill

FedEx Tracking Number 8029 2730 2121

Form ID No. 0215

SPH1

Recipient's Copy

1 From

Date 07/13/14

Sender's Name Jason Hunter Phone 617 946-6100

Company ENVIRON INTL CORP

Address 20 CUSTOM HOUSE ST STE 800

Dept./Floor/Suite/Room

City BOSTON State MA ZIP 02110-3524

2 Your Internal Billing Reference

3 To

Recipient's Name Sample Receiving Phone 800 356 9135

Company ALS Environmental

Address 960 West LaVoy Drive

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address ~~Salt Lake~~

Use this line for the HOLD location address or for continuation of your shipping address.

City Salt Lake City State UT ZIP 84123

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0105223720

8029 2730 2121

4 Express Package Service *To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., see the FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.*
- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [x] No Signature Required — Packages may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Obtain recip. Acct. No. [ ]

Total Packages 1 Total Weight 44 lbs.

Credit Card Auth.

*Liability is limited to $100.00 unless you declare a higher value. See the current FedEx Service Guide for details.

611

Part Date 3/12 • Part #153134 • ©1994-2012 FedEx • PRINTED IN U.S.A. SRI

fedex.com 1.800.GoFedEx 1.800.463.3339

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FedEx Express

FedEx First Overnight

FedEx First Ove

ORIGIN ID:CIBA (617) 946-6100
DOUGLAS LINDSAY
ENVIRON INTL CORP
20 CUSTOM HOUSE ST STE 800
BOSTON, MA 02110
UNITED STATES US

SHIP DATE: 10JUL14
ACTWGT: 9.0 LB
CAD: 6988981/BSFD1501
DIMS: 13x9x9 IN
BILL THIRD PARTY

TO PAUL POPE
ALS ENVIRONMENTAL
960 WEST LEVOY DRIVE

SALT LAKE CITY UT 84123
(800) 358-0136
INV:
PO:
REF:
DEPT:

FedEx Express

TRK# (0201) 7705 7371 0082

FRI - 11 JUL 8:00A
FIRST OVERNIGHT
DSR AHS
84123
UT-US SLC

W1 NPHA

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **ENVIRONINT - CA** Date/Time Received: **23-Jul-14 10:30**

Work Order: **14071167** Received by: **BAB**

Checklist completed by Baylan Bosworth (eSignature) 23-Jul-14 (Date) Reviewed by: Ann Preston (eSignature) 27-Jul-14 (Date)

Matrices: BULK
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):	20.6	C	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	7/23/2014 2:41:16 PM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

DATA VALIDATION REVIEW
Edison Elementary Sampling Event
Santa Monica, California

Laboratory Sample Delivery Groups (SDGs): 14071167

Laboratory: ALS Environmental, Holland, Michigan

Reviewer: Wendy Stonestreet **Date Reviewed: November 18, 2014**

This data validation report has been prepared by ENVIRON International Corporation (ENVIRON) to assess the validity and usability of laboratory analytical data generated from samples collected at the Edison Elementary, Santa Monica, California Site (the "site") on July 23, 2014.

The analytical data were evaluated for quality assurance and quality control (QA/QC) based on the following document: *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (June 2008). Analytical services for the PCB analysis of 64 solid matrix samples was provided by ALS Environmental, Holland, Michigan. For the purpose of this report, six samples were evaluated for validation.

This report summarizes the QA/QC evaluation of the data according to precision, accuracy, representativeness, completeness and comparability relative to the project data quality objectives. This report provides a quantitative and qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability of the data.

The following table summarizes the samples and quality control samples submitted to the laboratory which were validated in this report:

Field ID	Sample Type	Lab ID	Matrix	Analyses
				PCBs
SDG: 14071167				
0712-EE-BC-11	SA	14071167-13	Solid	X
0712-EE-BC-B5	SA	14071167-20	Solid	X
0712-EE-BC-B6	SA	14071167-21	Solid	X
0712-EE-BC-B7	SA	14071167-21	Solid	X
0712-EE-BC-B15	SA	14071167-37	Solid	X
0712-EE-BC-B13	SA	14071167-39	Solid	X

Sample Type: SA = Sample
PCBs = Polychlorinated biphenyls by USEPA Method SW-846 8082A by Gas Chromatography

ENVIRON

General Overall Assessment:

___X__ Data are usable without qualification.

_____ Data are usable with qualification (noted below).

_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were noted below.

1.0 Data Package Completeness

Were all items delivered as specified on the COC and is the data package complete?

Yes, the laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative. The laboratory submitted all required deliverables as requested by the client.

2.0 Laboratory Case Narrative, Sample Preservation and Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated the following:

- **SDG: 14071167:** Surrogate recovery results were outside of laboratory control limits for two samples. The surrogate recoveries were reported outside of laboratory criteria due to sample dilution. The laboratory did not report the recoveries for the surrogates from the second diluted run and no qualification of data was required.

Samples were received at the Holland, Michigan laboratory in good condition but above the proper temperature of 4˚C ± 2˚C at 20.6˚C. The technical holding time was met for all samples and therefore the temperature exceedance likely has little impact on the usability of the data.

3.0 Technical Holding Times

Were samples extracted/analyzed within method specific holding time requirements?

No. All samples were prepared within method specific required holding time of 14 days and analyzed within the 40 days from sample collection.

4.0 Blank Contamination

Were any analytes detected in the Method Blanks?

No analytes were detected in the associated method blanks.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes. LCS analyses met the criteria for frequency of analysis and all LCS recoveries were within evaluation criteria.

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Surrogate recoveries were reported outside of laboratory control limits for diluted samples. No qualification of data was necessary.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

No. A matrix spike was performed from a site specific sample in this SDG.

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples performed as part of this SDG?

Yes, but only as spiked duplicates, which are discussed in Section 5.0.

9.0 Field Duplicate Results

Were field duplicate samples collected as part of the evaluated SDG?

No.

10.0 Detects and Calibration Range

For samples that were diluted and nondetect, were undiluted results also reported?

No.

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
0712-EE-BC-B11	8082A	20
0712-EE-BC-B5	8082A	10
1007-EE-BC-LIB-B010-C	8082A	2

For samples that were diluted, were the detected results divided by the dilution factors greater than the reporting limits and within calibration range?

Yes. Data users should be aware of the elevated detection limits when evaluating data usage for comparison to project standards.

For samples that were not diluted and detected, were the results within calibration range?

Yes

11.0 Additional Qualifications

Were additional qualifications applied?

No.

12.0 Overall Data Assessment

The data are usable for its intended purpose based on an evaluation of the QC parameters discussed in this report.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-89886-1
Client Project/Site: Edison, Santa Monica, 04-33980H

For:
ENVIRON International Corp.
20 Custom House St
Suite 800
Boston, Massachusetts 02110

Attn: Doug Lindsay

Authorized for release by:
10/14/2014 2:10:49 PM

Patty Mata, Senior Project Manager
(949)261-1022
patty.mata@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-89886-1	1007-EE-BC-LIB-B001-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-4	1007-EE-BC-LIB-B002-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-7	1007-EE-BC-LIB-B003-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-10	1007-EE-BC-LIB-B004-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-13	1007-EE-BC-LIB-B005-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-16	1007-EE-BC-LIB-B006-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-19	1007-EE-BC-LIB-B007-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-22	1007-EE-BC-LIB-B008-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-25	1007-EE-BC-LIB-B009-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-28	1007-EE-BC-LIB-B010-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-31	1007-EE-BC-LIB-B011-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-34	1007-EE-BC-LIB-B012-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-37	1007-EE-BC-LIB-B013-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-40	1007-EE-BC-LIB-B014-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-43	1007-EE-BC-LIB-B015-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-46	1007-EE-BC-LIB-B016-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-49	1007-EE-BC-LIB-B017-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-52	1007-EE-BC-LIB-B018-A	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-55	1007-EE-BC-LIB-B019-A	Solid	10/07/14 00:01	10/08/14 09:45

Job ID: 440-89886-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-89886-1

Comments
Samples with -B or -C suffix in the sample ID were placed on Hold by client prior to extraction or analysis. Only the samples with -A suffix in sample ID were requested for analysis.

Receipt
The samples were received on 10/8/2014 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC Semi VOA
Method(s) 8082: The following samples appear to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: 1007-EE-BC-LIB-B001-A (440-89886-1), 1007-EE-BC-LIB-B002-A (440-89886-4), 1007-EE-BC-LIB-B003-A (440-89886-7), 1007-EE-BC-LIB-B004-A (440-89886-10), 1007-EE-BC-LIB-B005-A (440-89886-13), 1007-EE-BC-LIB-B006-A (440-89886-16), 1007-EE-BC-LIB-B007-A (440-89886-19), 1007-EE-BC-LIB-B008-A (440-89886-22), 1007-EE-BC-LIB-B009-A (440-89886-25), 1007-EE-BC-LIB-B010-A (440-89886-28), 1007-EE-BC-LIB-B011-A (440-89886-31), 1007-EE-BC-LIB-B014-A (440-89886-40), 1007-EE-BC-LIB-B015-A (440-89886-43), 1007-EE-BC-LIB-B016-A (440-89886-46), 1007-EE-BC-LIB-B019-A (440-89886-55). The samples have been quantified and reported as a mixture of Aroclors 1248 and 1254. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

Client Sample ID: 1007-EE-BC-LIB-B001-A

Lab Sample ID: 440-89886-1

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		410	ug/Kg		10/10/14 07:52	10/13/14 14:08	5
Aroclor-1221	ND		410	ug/Kg		10/10/14 07:52	10/13/14 14:08	5
Aroclor-1232	ND		410	ug/Kg		10/10/14 07:52	10/13/14 14:08	5
Aroclor-1242	ND		410	ug/Kg		10/10/14 07:52	10/13/14 14:08	5
Aroclor-1248	ND		410	ug/Kg		10/10/14 07:52	10/13/14 14:08	5
Aroclor-1254	**1900**		410	ug/Kg		10/10/14 07:52	10/13/14 14:08	5
Aroclor-1260	ND		410	ug/Kg		10/10/14 07:52	10/13/14 14:08	5
Aroclor-1262	ND		410	ug/Kg		10/10/14 07:52	10/13/14 14:08	5
Aroclor-1268	ND		410	ug/Kg		10/10/14 07:52	10/13/14 14:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*140*		*29 - 151*	*10/10/14 07:52*	*10/13/14 14:08*	*5*
DCB Decachlorobiphenyl	*88*	*p*	*14 - 163*	*10/10/14 07:52*	*10/13/14 14:08*	*5*

Client Sample ID: 1007-EE-BC-LIB-B002-A

Lab Sample ID: 440-89886-4

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:23	5
Aroclor-1221	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:23	5
Aroclor-1232	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:23	5
Aroclor-1242	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:23	5
Aroclor-1248	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:23	5
Aroclor-1254	**2000**		420	ug/Kg		10/10/14 07:52	10/13/14 14:23	5
Aroclor-1260	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:23	5
Aroclor-1262	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:23	5
Aroclor-1268	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:23	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*118*		*29 - 151*	*10/10/14 07:52*	*10/13/14 14:23*	*5*
DCB Decachlorobiphenyl	*98*		*14 - 163*	*10/10/14 07:52*	*10/13/14 14:23*	*5*

Client Sample ID: 1007-EE-BC-LIB-B003-A

Lab Sample ID: 440-89886-7

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:39	5
Aroclor-1221	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:39	5
Aroclor-1232	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:39	5
Aroclor-1242	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:39	5
Aroclor-1248	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:39	5
Aroclor-1254	**900**		420	ug/Kg		10/10/14 07:52	10/13/14 14:39	5
Aroclor-1260	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:39	5
Aroclor-1262	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:39	5
Aroclor-1268	ND		420	ug/Kg		10/10/14 07:52	10/13/14 14:39	5

Client Sample ID: 1007-EE-BC-LIB-B003-A — Lab Sample ID: 440-89886-7

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	138		29 - 151	10/10/14 07:52	10/13/14 14:39	5
DCB Decachlorobiphenyl	94	p	14 - 163	10/10/14 07:52	10/13/14 14:39	5

Client Sample ID: 1007-EE-BC-LIB-B004-A — Lab Sample ID: 440-89886-10

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		490	ug/Kg		10/10/14 07:52	10/13/14 14:54	5
Aroclor-1221	ND		490	ug/Kg		10/10/14 07:52	10/13/14 14:54	5
Aroclor-1232	ND		490	ug/Kg		10/10/14 07:52	10/13/14 14:54	5
Aroclor-1242	ND		490	ug/Kg		10/10/14 07:52	10/13/14 14:54	5
Aroclor-1248	ND		490	ug/Kg		10/10/14 07:52	10/13/14 14:54	5
Aroclor-1254	**2300**		490	ug/Kg		10/10/14 07:52	10/13/14 14:54	5
Aroclor-1260	ND		490	ug/Kg		10/10/14 07:52	10/13/14 14:54	5
Aroclor-1262	ND		490	ug/Kg		10/10/14 07:52	10/13/14 14:54	5
Aroclor-1268	ND		490	ug/Kg		10/10/14 07:52	10/13/14 14:54	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	133		29 - 151	10/10/14 07:52	10/13/14 14:54	5
DCB Decachlorobiphenyl	86	p	14 - 163	10/10/14 07:52	10/13/14 14:54	5

Client Sample ID: 1007-EE-BC-LIB-B005-A — Lab Sample ID: 440-89886-13

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		480	ug/Kg		10/10/14 07:52	10/13/14 15:10	5
Aroclor-1221	ND		480	ug/Kg		10/10/14 07:52	10/13/14 15:10	5
Aroclor-1232	ND		480	ug/Kg		10/10/14 07:52	10/13/14 15:10	5
Aroclor-1242	ND		480	ug/Kg		10/10/14 07:52	10/13/14 15:10	5
Aroclor-1248	ND		480	ug/Kg		10/10/14 07:52	10/13/14 15:10	5
Aroclor-1254	**2300**		480	ug/Kg		10/10/14 07:52	10/13/14 15:10	5
Aroclor-1260	ND		480	ug/Kg		10/10/14 07:52	10/13/14 15:10	5
Aroclor-1262	ND		480	ug/Kg		10/10/14 07:52	10/13/14 15:10	5
Aroclor-1268	ND		480	ug/Kg		10/10/14 07:52	10/13/14 15:10	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	111		29 - 151	10/10/14 07:52	10/13/14 15:10	5
DCB Decachlorobiphenyl	97	p	14 - 163	10/10/14 07:52	10/13/14 15:10	5

Client Sample ID: 1007-EE-BC-LIB-B006-A — Lab Sample ID: 440-89886-16

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		990	ug/Kg		10/10/14 07:52	10/13/14 15:25	10
Aroclor-1221	ND		990	ug/Kg		10/10/14 07:52	10/13/14 15:25	10

Client Sample ID: 1007-EE-BC-LIB-B006-A

Lab Sample ID: 440-89886-16

Date Collected: 10/07/14 00:01

Matrix: Solid

Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1232	ND		990	ug/Kg		10/10/14 07:52	10/13/14 15:25	10
Aroclor-1242	ND		990	ug/Kg		10/10/14 07:52	10/13/14 15:25	10
Aroclor-1248	ND		990	ug/Kg		10/10/14 07:52	10/13/14 15:25	10
Aroclor-1254	**4100**		990	ug/Kg		10/10/14 07:52	10/13/14 15:25	10
Aroclor-1260	ND		990	ug/Kg		10/10/14 07:52	10/13/14 15:25	10
Aroclor-1262	ND		990	ug/Kg		10/10/14 07:52	10/13/14 15:25	10
Aroclor-1268	ND		990	ug/Kg		10/10/14 07:52	10/13/14 15:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*121*		*29 - 151*	*10/10/14 07:52*	*10/13/14 15:25*	*10*
DCB Decachlorobiphenyl	*94*		*14 - 163*	*10/10/14 07:52*	*10/13/14 15:25*	*10*

Client Sample ID: 1007-EE-BC-LIB-B007-A

Lab Sample ID: 440-89886-19

Date Collected: 10/07/14 00:01

Matrix: Solid

Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		84	ug/Kg		10/10/14 07:52	10/13/14 15:41	1
Aroclor-1221	ND		84	ug/Kg		10/10/14 07:52	10/13/14 15:41	1
Aroclor-1232	ND		84	ug/Kg		10/10/14 07:52	10/13/14 15:41	1
Aroclor-1242	ND		84	ug/Kg		10/10/14 07:52	10/13/14 15:41	1
Aroclor-1248	ND		84	ug/Kg		10/10/14 07:52	10/13/14 15:41	1
Aroclor-1254	**650**		84	ug/Kg		10/10/14 07:52	10/13/14 15:41	1
Aroclor-1260	ND		84	ug/Kg		10/10/14 07:52	10/13/14 15:41	1
Aroclor-1262	ND		84	ug/Kg		10/10/14 07:52	10/13/14 15:41	1
Aroclor-1268	ND		84	ug/Kg		10/10/14 07:52	10/13/14 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*29 - 151*	*10/10/14 07:52*	*10/13/14 15:41*	*1*
DCB Decachlorobiphenyl	*77*		*14 - 163*	*10/10/14 07:52*	*10/13/14 15:41*	*1*

Client Sample ID: 1007-EE-BC-LIB-B008-A

Lab Sample ID: 440-89886-22

Date Collected: 10/07/14 00:01

Matrix: Solid

Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		870	ug/Kg		10/10/14 07:52	10/13/14 15:56	10
Aroclor-1221	ND		870	ug/Kg		10/10/14 07:52	10/13/14 15:56	10
Aroclor-1232	ND		870	ug/Kg		10/10/14 07:52	10/13/14 15:56	10
Aroclor-1242	ND		870	ug/Kg		10/10/14 07:52	10/13/14 15:56	10
Aroclor-1248	ND		870	ug/Kg		10/10/14 07:52	10/13/14 15:56	10
Aroclor-1254	**3900**		870	ug/Kg		10/10/14 07:52	10/13/14 15:56	10
Aroclor-1260	ND		870	ug/Kg		10/10/14 07:52	10/13/14 15:56	10
Aroclor-1262	ND		870	ug/Kg		10/10/14 07:52	10/13/14 15:56	10
Aroclor-1268	ND		870	ug/Kg		10/10/14 07:52	10/13/14 15:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*120*		*29 - 151*	*10/10/14 07:52*	*10/13/14 15:56*	*10*
DCB Decachlorobiphenyl	*108*	*p*	*14 - 163*	*10/10/14 07:52*	*10/13/14 15:56*	*10*

Client Sample ID: 1007-EE-BC-LIB-B009-A

Lab Sample ID: 440-89886-25

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		480	ug/Kg		10/10/14 07:52	10/13/14 16:11	5
Aroclor-1221	ND		480	ug/Kg		10/10/14 07:52	10/13/14 16:11	5
Aroclor-1232	ND		480	ug/Kg		10/10/14 07:52	10/13/14 16:11	5
Aroclor-1242	ND		480	ug/Kg		10/10/14 07:52	10/13/14 16:11	5
Aroclor-1248	ND		480	ug/Kg		10/10/14 07:52	10/13/14 16:11	5
Aroclor-1254	**1700**		480	ug/Kg		10/10/14 07:52	10/13/14 16:11	5
Aroclor-1260	ND		480	ug/Kg		10/10/14 07:52	10/13/14 16:11	5
Aroclor-1262	ND		480	ug/Kg		10/10/14 07:52	10/13/14 16:11	5
Aroclor-1268	ND		480	ug/Kg		10/10/14 07:52	10/13/14 16:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*29 - 151*	*10/10/14 07:52*	*10/13/14 16:11*	*5*
DCB Decachlorobiphenyl	*108*		*14 - 163*	*10/10/14 07:52*	*10/13/14 16:11*	*5*

Client Sample ID: 1007-EE-BC-LIB-B010-A

Lab Sample ID: 440-89886-28

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		960	ug/Kg		10/10/14 07:52	10/13/14 16:27	10
Aroclor-1221	ND		960	ug/Kg		10/10/14 07:52	10/13/14 16:27	10
Aroclor-1232	ND		960	ug/Kg		10/10/14 07:52	10/13/14 16:27	10
Aroclor-1242	ND		960	ug/Kg		10/10/14 07:52	10/13/14 16:27	10
Aroclor-1248	ND		960	ug/Kg		10/10/14 07:52	10/13/14 16:27	10
Aroclor-1254	**7500**		960	ug/Kg		10/10/14 07:52	10/13/14 16:27	10
Aroclor-1260	ND		960	ug/Kg		10/10/14 07:52	10/13/14 16:27	10
Aroclor-1262	ND		960	ug/Kg		10/10/14 07:52	10/13/14 16:27	10
Aroclor-1268	ND		960	ug/Kg		10/10/14 07:52	10/13/14 16:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*29 - 151*	*10/10/14 07:52*	*10/13/14 16:27*	*10*
DCB Decachlorobiphenyl	*116*		*14 - 163*	*10/10/14 07:52*	*10/13/14 16:27*	*10*

Client Sample ID: 1007-EE-BC-LIB-B011-A

Lab Sample ID: 440-89886-31

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		470	ug/Kg		10/10/14 07:52	10/13/14 17:13	5
Aroclor-1221	ND		470	ug/Kg		10/10/14 07:52	10/13/14 17:13	5
Aroclor-1232	ND		470	ug/Kg		10/10/14 07:52	10/13/14 17:13	5
Aroclor-1242	ND		470	ug/Kg		10/10/14 07:52	10/13/14 17:13	5
Aroclor-1248	ND		470	ug/Kg		10/10/14 07:52	10/13/14 17:13	5
Aroclor-1254	**2400**		470	ug/Kg		10/10/14 07:52	10/13/14 17:13	5
Aroclor-1260	ND		470	ug/Kg		10/10/14 07:52	10/13/14 17:13	5
Aroclor-1262	ND		470	ug/Kg		10/10/14 07:52	10/13/14 17:13	5
Aroclor-1268	ND		470	ug/Kg		10/10/14 07:52	10/13/14 17:13	5

Client Sample ID: 1007-EE-BC-LIB-B011-A

Lab Sample ID: 440-89886-31

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	106		29 - 151	10/10/14 07:52	10/13/14 17:13	5
DCB Decachlorobiphenyl	97		14 - 163	10/10/14 07:52	10/13/14 17:13	5

Client Sample ID: 1007-EE-BC-LIB-B012-A

Lab Sample ID: 440-89886-34

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		59	ug/Kg		10/10/14 07:52	10/13/14 17:29	1
Aroclor-1221	ND		59	ug/Kg		10/10/14 07:52	10/13/14 17:29	1
Aroclor-1232	ND		59	ug/Kg		10/10/14 07:52	10/13/14 17:29	1
Aroclor-1242	ND		59	ug/Kg		10/10/14 07:52	10/13/14 17:29	1
Aroclor-1248	ND		59	ug/Kg		10/10/14 07:52	10/13/14 17:29	1
Aroclor-1254	ND		59	ug/Kg		10/10/14 07:52	10/13/14 17:29	1
Aroclor-1260	ND		59	ug/Kg		10/10/14 07:52	10/13/14 17:29	1
Aroclor-1262	ND		59	ug/Kg		10/10/14 07:52	10/13/14 17:29	1
Aroclor-1268	ND		59	ug/Kg		10/10/14 07:52	10/13/14 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		29 - 151	10/10/14 07:52	10/13/14 17:29	1
DCB Decachlorobiphenyl	90		14 - 163	10/10/14 07:52	10/13/14 17:29	1

Client Sample ID: 1007-EE-BC-LIB-B013-A

Lab Sample ID: 440-89886-37

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		67	ug/Kg		10/10/14 07:52	10/13/14 17:44	1
Aroclor-1221	ND		67	ug/Kg		10/10/14 07:52	10/13/14 17:44	1
Aroclor-1232	ND		67	ug/Kg		10/10/14 07:52	10/13/14 17:44	1
Aroclor-1242	ND		67	ug/Kg		10/10/14 07:52	10/13/14 17:44	1
Aroclor-1248	ND		67	ug/Kg		10/10/14 07:52	10/13/14 17:44	1
Aroclor-1254	ND		67	ug/Kg		10/10/14 07:52	10/13/14 17:44	1
Aroclor-1260	ND		67	ug/Kg		10/10/14 07:52	10/13/14 17:44	1
Aroclor-1262	ND		67	ug/Kg		10/10/14 07:52	10/13/14 17:44	1
Aroclor-1268	ND		67	ug/Kg		10/10/14 07:52	10/13/14 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	89		29 - 151	10/10/14 07:52	10/13/14 17:44	1
DCB Decachlorobiphenyl	87		14 - 163	10/10/14 07:52	10/13/14 17:44	1

Client Sample ID: 1007-EE-BC-LIB-B014-A

Lab Sample ID: 440-89886-40

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		65	ug/Kg		10/10/14 07:52	10/13/14 17:59	1
Aroclor-1221	ND		65	ug/Kg		10/10/14 07:52	10/13/14 17:59	1

Client Sample ID: 1007-EE-BC-LIB-B014-A

Lab Sample ID: 440-89886-40

Date Collected: 10/07/14 00:01

Matrix: Solid

Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1232	ND		65	ug/Kg		10/10/14 07:52	10/13/14 17:59	1
Aroclor-1242	ND		65	ug/Kg		10/10/14 07:52	10/13/14 17:59	1
Aroclor-1248	ND		65	ug/Kg		10/10/14 07:52	10/13/14 17:59	1
Aroclor-1254	**91**		65	ug/Kg		10/10/14 07:52	10/13/14 17:59	1
Aroclor-1260	ND		65	ug/Kg		10/10/14 07:52	10/13/14 17:59	1
Aroclor-1262	ND		65	ug/Kg		10/10/14 07:52	10/13/14 17:59	1
Aroclor-1268	ND		65	ug/Kg		10/10/14 07:52	10/13/14 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*29 - 151*	*10/10/14 07:52*	*10/13/14 17:59*	*1*
DCB Decachlorobiphenyl	*97*		*14 - 163*	*10/10/14 07:52*	*10/13/14 17:59*	*1*

Client Sample ID: 1007-EE-BC-LIB-B015-A

Lab Sample ID: 440-89886-43

Date Collected: 10/07/14 00:01

Matrix: Solid

Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		64	ug/Kg		10/10/14 07:52	10/13/14 18:15	1
Aroclor-1221	ND		64	ug/Kg		10/10/14 07:52	10/13/14 18:15	1
Aroclor-1232	ND		64	ug/Kg		10/10/14 07:52	10/13/14 18:15	1
Aroclor-1242	ND		64	ug/Kg		10/10/14 07:52	10/13/14 18:15	1
Aroclor-1248	ND		64	ug/Kg		10/10/14 07:52	10/13/14 18:15	1
Aroclor-1254	**89**		64	ug/Kg		10/10/14 07:52	10/13/14 18:15	1
Aroclor-1260	ND		64	ug/Kg		10/10/14 07:52	10/13/14 18:15	1
Aroclor-1262	ND		64	ug/Kg		10/10/14 07:52	10/13/14 18:15	1
Aroclor-1268	ND		64	ug/Kg		10/10/14 07:52	10/13/14 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*99*		*29 - 151*	*10/10/14 07:52*	*10/13/14 18:15*	*1*
DCB Decachlorobiphenyl	*93*		*14 - 163*	*10/10/14 07:52*	*10/13/14 18:15*	*1*

Client Sample ID: 1007-EE-BC-LIB-B016-A

Lab Sample ID: 440-89886-46

Date Collected: 10/07/14 00:01

Matrix: Solid

Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		68	ug/Kg		10/10/14 07:52	10/13/14 18:30	1
Aroclor-1221	ND		68	ug/Kg		10/10/14 07:52	10/13/14 18:30	1
Aroclor-1232	ND		68	ug/Kg		10/10/14 07:52	10/13/14 18:30	1
Aroclor-1242	ND		68	ug/Kg		10/10/14 07:52	10/13/14 18:30	1
Aroclor-1248	ND		68	ug/Kg		10/10/14 07:52	10/13/14 18:30	1
Aroclor-1254	**74**		68	ug/Kg		10/10/14 07:52	10/13/14 18:30	1
Aroclor-1260	ND		68	ug/Kg		10/10/14 07:52	10/13/14 18:30	1
Aroclor-1262	ND		68	ug/Kg		10/10/14 07:52	10/13/14 18:30	1
Aroclor-1268	ND		68	ug/Kg		10/10/14 07:52	10/13/14 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*29 - 151*	*10/10/14 07:52*	*10/13/14 18:30*	*1*
DCB Decachlorobiphenyl	*94*		*14 - 163*	*10/10/14 07:52*	*10/13/14 18:30*	*1*

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

Client Sample ID: 1007-EE-BC-LIB-B017-A

Lab Sample ID: 440-89886-49

Date Collected: 10/07/14 00:01
Date Received: 10/08/14 09:45
Matrix: Solid

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		72	ug/Kg		10/10/14 07:52	10/13/14 18:46	1
Aroclor-1221	ND		72	ug/Kg		10/10/14 07:52	10/13/14 18:46	1
Aroclor-1232	ND		72	ug/Kg		10/10/14 07:52	10/13/14 18:46	1
Aroclor-1242	ND		72	ug/Kg		10/10/14 07:52	10/13/14 18:46	1
Aroclor-1248	ND		72	ug/Kg		10/10/14 07:52	10/13/14 18:46	1
Aroclor-1254	ND		72	ug/Kg		10/10/14 07:52	10/13/14 18:46	1
Aroclor-1260	ND		72	ug/Kg		10/10/14 07:52	10/13/14 18:46	1
Aroclor-1262	ND		72	ug/Kg		10/10/14 07:52	10/13/14 18:46	1
Aroclor-1268	ND		72	ug/Kg		10/10/14 07:52	10/13/14 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*29 - 151*	*10/10/14 07:52*	*10/13/14 18:46*	*1*
DCB Decachlorobiphenyl	*88*		*14 - 163*	*10/10/14 07:52*	*10/13/14 18:46*	*1*

Client Sample ID: 1007-EE-BC-LIB-B018-A

Lab Sample ID: 440-89886-52

Date Collected: 10/07/14 00:01
Date Received: 10/08/14 09:45
Matrix: Solid

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		64	ug/Kg		10/10/14 07:52	10/13/14 19:01	1
Aroclor-1221	ND		64	ug/Kg		10/10/14 07:52	10/13/14 19:01	1
Aroclor-1232	ND		64	ug/Kg		10/10/14 07:52	10/13/14 19:01	1
Aroclor-1242	ND		64	ug/Kg		10/10/14 07:52	10/13/14 19:01	1
Aroclor-1248	ND		64	ug/Kg		10/10/14 07:52	10/13/14 19:01	1
Aroclor-1254	ND		64	ug/Kg		10/10/14 07:52	10/13/14 19:01	1
Aroclor-1260	ND		64	ug/Kg		10/10/14 07:52	10/13/14 19:01	1
Aroclor-1262	ND		64	ug/Kg		10/10/14 07:52	10/13/14 19:01	1
Aroclor-1268	ND		64	ug/Kg		10/10/14 07:52	10/13/14 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*29 - 151*	*10/10/14 07:52*	*10/13/14 19:01*	*1*
DCB Decachlorobiphenyl	*80*		*14 - 163*	*10/10/14 07:52*	*10/13/14 19:01*	*1*

Client Sample ID: 1007-EE-BC-LIB-B019-A

Lab Sample ID: 440-89886-55

Date Collected: 10/07/14 00:01
Date Received: 10/08/14 09:45
Matrix: Solid

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		97	ug/Kg		10/10/14 07:52	10/13/14 19:17	1
Aroclor-1221	ND		97	ug/Kg		10/10/14 07:52	10/13/14 19:17	1
Aroclor-1232	ND		97	ug/Kg		10/10/14 07:52	10/13/14 19:17	1
Aroclor-1242	ND		97	ug/Kg		10/10/14 07:52	10/13/14 19:17	1
Aroclor-1248	ND		97	ug/Kg		10/10/14 07:52	10/13/14 19:17	1
Aroclor-1254	**110**		97	ug/Kg		10/10/14 07:52	10/13/14 19:17	1
Aroclor-1260	ND		97	ug/Kg		10/10/14 07:52	10/13/14 19:17	1
Aroclor-1262	ND		97	ug/Kg		10/10/14 07:52	10/13/14 19:17	1
Aroclor-1268	ND		97	ug/Kg		10/10/14 07:52	10/13/14 19:17	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

Client Sample ID: 1007-EE-BC-LIB-B019-A
Date Collected: 10/07/14 00:01
Date Received: 10/08/14 09:45

Lab Sample ID: 440-89886-55
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		29 - 151	10/10/14 07:52	10/13/14 19:17	1
DCB Decachlorobiphenyl	90		14 - 163	10/10/14 07:52	10/13/14 19:17	1

Method Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

Client Sample ID: 1007-EE-BC-LIB-B001-A — Lab Sample ID: 440-89886-1

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			12.16 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		5	12.16 g	10 mL	151244	10/13/14 14:08	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B002-A — Lab Sample ID: 440-89886-4

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			11.70 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		5	11.70 g	10 mL	151244	10/13/14 14:23	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B003-A — Lab Sample ID: 440-89886-7

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			11.69 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		5	11.69 g	10 mL	151244	10/13/14 14:39	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B004-A — Lab Sample ID: 440-89886-10

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			10.10 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		5	10.10 g	10 mL	151244	10/13/14 14:54	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B005-A — Lab Sample ID: 440-89886-13

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			10.30 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		5	10.30 g	10 mL	151244	10/13/14 15:10	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B006-A — Lab Sample ID: 440-89886-16

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			10.00 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		10	10.00 g	10 mL	151244	10/13/14 15:25	LSH	TAL CAN

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

Client Sample ID: 1007-EE-BC-LIB-B007-A — Lab Sample ID: 440-89886-19

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			11.78 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		1	11.78 g	10 mL	151244	10/13/14 15:41	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B008-A — Lab Sample ID: 440-89886-22

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			11.40 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		10	11.40 g	10 mL	151244	10/13/14 15:56	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B009-A — Lab Sample ID: 440-89886-25

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			10.26 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		5	10.26 g	10 mL	151244	10/13/14 16:11	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B010-A — Lab Sample ID: 440-89886-28

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			10.30 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		10	10.30 g	10 mL	151244	10/13/14 16:27	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B011-A — Lab Sample ID: 440-89886-31

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			10.64 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		5	10.64 g	10 mL	151244	10/13/14 17:13	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B012-A — Lab Sample ID: 440-89886-34

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			16.88 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		1	16.88 g	10 mL	151244	10/13/14 17:29	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B013-A — Lab Sample ID: 440-89886-37

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			14.87 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		1	14.87 g	10 mL	151244	10/13/14 17:44	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B014-A — Lab Sample ID: 440-89886-40

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			15.16 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		1	15.16 g	10 mL	151244	10/13/14 17:59	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B015-A — Lab Sample ID: 440-89886-43

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			15.49 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		1	15.49 g	10 mL	151244	10/13/14 18:15	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B016-A — Lab Sample ID: 440-89886-46

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			14.49 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		1	14.49 g	10 mL	151244	10/13/14 18:30	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B017-A — Lab Sample ID: 440-89886-49

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			13.67 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		1	13.67 g	10 mL	151244	10/13/14 18:46	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B018-A — Lab Sample ID: 440-89886-52

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			15.54 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		1	15.54 g	10 mL	151244	10/13/14 19:01	LSH	TAL CAN

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

Client Sample ID: 1007-EE-BC-LIB-B019-A

Lab Sample ID: 440-89886-55

Date Collected: 10/07/14 00:01
Date Received: 10/08/14 09:45

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			10.20 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		1	10.20 g	10 mL	151244	10/13/14 19:17	LSH	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-150970/23-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 151244 — **Prep Batch: 150970**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1221	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1232	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1242	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1248	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1254	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1260	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1262	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1268	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*157*	*X*	*29 - 151*	*10/10/14 07:52*	*10/13/14 16:42*	*1*
DCB Decachlorobiphenyl	*149*		*14 - 163*	*10/10/14 07:52*	*10/13/14 16:42*	*1*

Lab Sample ID: LCS 240-150970/24-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 151244 — **Prep Batch: 150970**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	333	298		ug/Kg		89	62 - 120
Aroclor-1260	333	315		ug/Kg		95	56 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*99*		*29 - 151*
DCB Decachlorobiphenyl	*102*		*14 - 163*

Lab Sample ID: 440-89886-55 MS — **Client Sample ID: 1007-EE-BC-LIB-B019-A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 151244 — **Prep Batch: 150970**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		1250	1150		ug/Kg		92	22 - 157
Aroclor-1260	ND		1250	1190		ug/Kg		95	13 - 161

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*100*		*29 - 151*
DCB Decachlorobiphenyl	*99*		*14 - 163*

Lab Sample ID: 440-89886-55 MSD — **Client Sample ID: 1007-EE-BC-LIB-B019-A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 151244 — **Prep Batch: 150970**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		1250	1100		ug/Kg		88	22 - 157	5	30
Aroclor-1260	ND		1250	956		ug/Kg		77	13 - 161	22	30

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 440-89886-55 MSD
Matrix: Solid
Analysis Batch: 151244

Client Sample ID: 1007-EE-BC-LIB-B019-A
Prep Type: Total/NA
Prep Batch: 150970

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*29 - 151*
DCB Decachlorobiphenyl	*57*		*14 - 163*

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

GC Semi VOA

Prep Batch: 150970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-89886-1	1007-EE-BC-LIB-B001-A	Total/NA	Solid	3540C	
440-89886-4	1007-EE-BC-LIB-B002-A	Total/NA	Solid	3540C	
440-89886-7	1007-EE-BC-LIB-B003-A	Total/NA	Solid	3540C	
440-89886-10	1007-EE-BC-LIB-B004-A	Total/NA	Solid	3540C	
440-89886-13	1007-EE-BC-LIB-B005-A	Total/NA	Solid	3540C	
440-89886-16	1007-EE-BC-LIB-B006-A	Total/NA	Solid	3540C	
440-89886-19	1007-EE-BC-LIB-B007-A	Total/NA	Solid	3540C	
440-89886-22	1007-EE-BC-LIB-B008-A	Total/NA	Solid	3540C	
440-89886-25	1007-EE-BC-LIB-B009-A	Total/NA	Solid	3540C	
440-89886-28	1007-EE-BC-LIB-B010-A	Total/NA	Solid	3540C	
440-89886-31	1007-EE-BC-LIB-B011-A	Total/NA	Solid	3540C	
440-89886-34	1007-EE-BC-LIB-B012-A	Total/NA	Solid	3540C	
440-89886-37	1007-EE-BC-LIB-B013-A	Total/NA	Solid	3540C	
440-89886-40	1007-EE-BC-LIB-B014-A	Total/NA	Solid	3540C	
440-89886-43	1007-EE-BC-LIB-B015-A	Total/NA	Solid	3540C	
440-89886-46	1007-EE-BC-LIB-B016-A	Total/NA	Solid	3540C	
440-89886-49	1007-EE-BC-LIB-B017-A	Total/NA	Solid	3540C	
440-89886-52	1007-EE-BC-LIB-B018-A	Total/NA	Solid	3540C	
440-89886-55	1007-EE-BC-LIB-B019-A	Total/NA	Solid	3540C	
440-89886-55 MS	1007-EE-BC-LIB-B019-A	Total/NA	Solid	3540C	
440-89886-55 MSD	1007-EE-BC-LIB-B019-A	Total/NA	Solid	3540C	
LCS 240-150970/24-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-150970/23-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 151244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-89886-1	1007-EE-BC-LIB-B001-A	Total/NA	Solid	8082	150970
440-89886-4	1007-EE-BC-LIB-B002-A	Total/NA	Solid	8082	150970
440-89886-7	1007-EE-BC-LIB-B003-A	Total/NA	Solid	8082	150970
440-89886-10	1007-EE-BC-LIB-B004-A	Total/NA	Solid	8082	150970
440-89886-13	1007-EE-BC-LIB-B005-A	Total/NA	Solid	8082	150970
440-89886-16	1007-EE-BC-LIB-B006-A	Total/NA	Solid	8082	150970
440-89886-19	1007-EE-BC-LIB-B007-A	Total/NA	Solid	8082	150970
440-89886-22	1007-EE-BC-LIB-B008-A	Total/NA	Solid	8082	150970
440-89886-25	1007-EE-BC-LIB-B009-A	Total/NA	Solid	8082	150970
440-89886-28	1007-EE-BC-LIB-B010-A	Total/NA	Solid	8082	150970
440-89886-31	1007-EE-BC-LIB-B011-A	Total/NA	Solid	8082	150970
440-89886-34	1007-EE-BC-LIB-B012-A	Total/NA	Solid	8082	150970
440-89886-37	1007-EE-BC-LIB-B013-A	Total/NA	Solid	8082	150970
440-89886-40	1007-EE-BC-LIB-B014-A	Total/NA	Solid	8082	150970
440-89886-43	1007-EE-BC-LIB-B015-A	Total/NA	Solid	8082	150970
440-89886-46	1007-EE-BC-LIB-B016-A	Total/NA	Solid	8082	150970
440-89886-49	1007-EE-BC-LIB-B017-A	Total/NA	Solid	8082	150970
440-89886-52	1007-EE-BC-LIB-B018-A	Total/NA	Solid	8082	150970
440-89886-55	1007-EE-BC-LIB-B019-A	Total/NA	Solid	8082	150970
440-89886-55 MS	1007-EE-BC-LIB-B019-A	Total/NA	Solid	8082	150970
440-89886-55 MSD	1007-EE-BC-LIB-B019-A	Total/NA	Solid	8082	150970
LCS 240-150970/24-A	Lab Control Sample	Total/NA	Solid	8082	150970
MB 240-150970/23-A	Method Blank	Total/NA	Solid	8082	150970

Definitions/Glossary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-15
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-29-15
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

Mata, Patty

From: Doug Lindsay [dlindsay@environcorp.com]
Sent: Thursday, October 09, 2014 1:41 PM
To: Mata, Patty
Subject: RE: Analysis Request - Edison School Samples

Hi Patty,

Thanks for the update and you can put the "LIB" on the sample IDs as we should be consistent.

Let me know if there are any issues.

We plan to visit the site again on Tuesday, October 14th to collect another 18 building material samples. Just like the others, the "A" samples will need to be analyzed first and the "B and C" samples can be placed on HOLD until the "A" data is received.

Thanks,

ENVIRON

Douglas M. Lindsay, PG, LSP | Senior Manager
ENVIRON International Corporation
20 Custom House Street, Suite 800
Boston, MA 02110
T: +1 617-946-6111 | F: +1 617-946-3229 | M: +1 617-360-1697
dlindsay@environcorp.com

From: Mata, Patty [mailto:Patty.Mata@testamericainc.com]
Sent: Thursday, October 09, 2014 12:29 AM
To: Doug Lindsay
Subject: RE: Analysis Request - Edison School Samples

Doug,

OK, all set. I put the B & C samples on HOLD and made sure all the A samples were on 3 day TAT. The other COC with the S samples is on 4 day TAT.

By the way, the samples IDs dropped the "LIB" starting on the second page of the COC forms. Let me know if you want us to add this back in or if we should keep the IDs the way they are.

Thanks,

PATTY MATA
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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www.testamericainc.com
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From: Doug Lindsay [mailto:dlindsay@environcorp.com]
Sent: Wednesday, October 08, 2014 7:45 PM
To: Mata, Patty
Subject: Analysis Request - Edison School Samples

Hi Patty,

As we discussed, ENVIRON would like Test America to analyze certain group of samples first and "hold" the remaining samples until we receive the results of the first samples. Note that this does not apply to the surface material "S" samples on the other chain of custody – please analyze those for PCBs with soxhlet extraction.

The samples we would like analyzed for PCBs with soxhlet extraction are the "A" samples which were collected from window sills at the site. These samples are highlighted in yellow on the attached Chain of Custody and are identified as follows:

1007-EE-BC-LIB-B001A
1007-EE-BC-LIB-B002A
1007-EE-BC-LIB-B003A
1007-EE-BC-LIB-B004A
1007-EE-BC-LIB-B005A
1007-EE-BC-LIB-B006A
1007-EE-BC-LIB-B007A
1007-EE-BC-LIB-B008A
1007-EE-BC-LIB-B009A
1007-EE-BC-LIB-B010A
1007-EE-BC-LIB-B011A
1007-EE-BC-LIB-B012A
1007-EE-BC-LIB-B013A
1007-EE-BC-LIB-B014A
1007-EE-BC-LIB-B015A
1007-EE-BC-LIB-B016A
1007-EE-BC-LIB-B017A
1007-EE-BC-LIB-B018A
1007-EE-BC-LIB-B019A

Let me know if you have any questions on the above request.

ENVIRON

Douglas M. Lindsay, PG, LSP | Senior Manager
ENVIRON International Corporation
20 Custom House Street, Suite 800
Boston, MA 02110

T: +1 617-946-6111 | F: +1 617-946-3229 | M: +1 617-360-1697
dlindsay@environcorp.com

From: Mata, Patty [mailto:patty.mata@testamericainc.com]
Sent: Wednesday, October 08, 2014 3:26 PM
To: Doug Lindsay
Subject: COC files from 440-89886-1 Edison, Santa Monica, 04-33980H

Hello,

I have attached the COC files for job 440-89886-1 - Edison, Santa Monica, 04-33980H for the first set of samples.

Please feel free to contact me if you have any questions.

Thank you.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

PATTY MATA
Senior Project Manager

TestAmerica Irvine
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 949.261,1022

Reference: [162474]
Attachments: 1

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CHAIN-of-CUSTODY № 10740

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

PROJECT NAME / FACILITY ID: SMMUSD
PROJECT NUMBER: 04-33980tt DATE: 10/7/14
PROJECT LOCATION: Santa Monica
IS THIS A UST PROJECT OR IS EDF REQUIRED? Y (N) IF YES, GLOBAL ID #:

MSA#: WO#:
FIELD PERSON: Brian B / Rob B
PROJECT MANAGER: Doug K.
LABORATORY: Test America

SAMPLER: Brian Bauer
SIGNATURE:

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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: PCBs 8082	COMMENTS
1007-EE-BC-LIB-B001-A	10/7	—	—	—	O	1	—	NO	X	• TAT → 48 hours for all samples
1007-EE-BC-LIB-B001-B										
1007-EE-BC-LIB-B001-C										
1007-EE-BC-LIB-B002-A										O = Other
1007-EE-BC-LIB-B002-B										
1007-EE-BC-LIB-B002-C										
1007-EE-BC-LIB-B003-A										
1007-EE-BC-LIB-B003-B										
1007-EE-BC-LIB-B003-C										
1007-EE-BC-LIB-B004-A										
1007-EE-BC-LIB-B004-B										
1007-EE-BC-LIB-B004-C										
1007-EE-BC-LIB-B005-A										
TOTAL	X	X	X							

440-89886 Chain of Custody

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
	0945 / 10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY / 24 HOURS / 48 HOURS / ~~72 HOURS~~ / 5 DAYS / NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp 3.6/3.3

IF SEALED, SEAL INTEGRITY — INTACT: Y N

O = OTHER; NO = NONE; U = UNKNOWN; S = H_2SO_4; N = HNO_3; H = HCl;

FILE: LOG FORMS\Chain_of_Custody

ENVIRON

CHAIN-of-CUSTODY № 10741

PAGE 2 of 5

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

PROJECT NAME / FACILITY ID: SMMUSD
PROJECT NUMBER: 04-33980A
DATE: 10/7/14
PROJECT LOCATION: Santa Monica
IS THIS A UST PROJECT OR IS EDF REQUIRED? Y (N) IF YES, GLOBAL ID #:

MSA#:
WO#:
FIELD PERSON: Brian B / Rob B
PROJECT MANAGER: Doug L
LABORATORY: Test America

SAMPLER: Brian Bauer
SIGNATURE:

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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: PCBS 8082A									COMMENTS
1007-EE-BC-B005-B	10/7	—	—	—	O	1	—	NO	X									• TAT → 48 hours
1007-EE-BC-B005-C																		
1007-EE-BC-B006-A																		O = Other
1007-EE-BC-B006-B																		
1007-EE-BC-B006-C																		
1007-EE-BC-B007-A																		
1007-EE-BC-B007-B																		
1007-EE-BC-B007-C																		
1007-EE-BC-B008-A																		
1007-EE-BC-B008-B																		
1007-EE-BC-B005-C																		
1007-EE-BC-B009-A																		
1007-EE-BC-B009-B	↓	↓	↓	↓	↓	↓	↓	↓	↓									
TOTAL	X	X	X															

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
	0945 10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY / 24 HOURS / 48 HOURS / 72 HOURS / 5 DAYS / NORMAL

SAMPLE INTEGRITY: INTACT: Y N Temp

IF SEALED, SEAL INTEGRITY: INTACT: Y N

H = HCL; N = HNO3; S = H2SO; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

ENVIRON

CHAIN-of-CUSTODY

№ 09644

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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: SMMUSD

FIELD PERSON: Brian B / Rob B

PROJECT NUMBER: 04-33980A DATE: 10/7/14

PROJECT MANAGER: Doug L

PROJECT LOCATION: Santa Monica

LABORATORY: Test America

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

SAMPLER: Brian Bauer

SIGNATURE: [signature]

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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 8082A	COMMENTS
1007-EE-BC-B009-C	10/7	—	—	—	O	1	—	NO	X	TAT → 48 hours
1007-EE-BC-B010-A										
1007-EE-BC-B010-B										O=Other
1007-EE-BC-B010-C										
1007-EE-BC-B011-A										
1007-EE-BC-B011-B										
1007-EE-BC-B011-C										
1007-EE-BC-B012-A										
1007-EE-BC-B012-B										
1007-EE-BC-B012-C										
1007-EE-BC-B013-A										
1007-EE-BC-B013-B										
1007-EE-BC-B013-C										
TOTAL	X	X	X							

O = OTHER; NO = NONE; U = UNKNOWN; S = H_2SO_4; N = HNO_3; H = HCL;

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
[signature]	0945 / 10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): [signature]	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY; 24 HOURS; 48 HOURS BB; ~~72 HOURS~~; 5 DAYS; NORMAL

SAMPLE INTEGRITY: INTACT: Y N Temp_____

IF SEALED, SEAL INTEGRITY: INTACT: Y N

FILE: LOG FORMS\Chain_of_Custody

ENVIRON

CHAIN-of-CUSTODY

№ 09645

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Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: SMMUSD

FIELD PERSON: Brian B/Rob B

PROJECT NUMBER: 04-33980A DATE: 10/7/14

PROJECT MANAGER: Doug L

PROJECT LOCATION: Santa Monica

LABORATORY: Test America

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

SAMPLER: Brian Barr

SIGNATURE:

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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 8082A	COMMENTS
1007-EE-BC-B014-A	10/7	—	—	—	O	1	—	No	X	TAT→48 hours
1007-EE-BC-B014-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B014-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	O=other
1007-EE-BC-B015-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B015-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B015-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B016-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B016-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B016-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B017-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B017-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B017-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
TOTAL	X	X	X							

RELINQUISHED BY: [signature]	TIME/DATE: 0945 / 10/8/14	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): [signature]	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY; 24 HOURS; 48 HOURS BB; ~~72 HOURS~~; 5 DAYS; NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp 3.6/3.7

IF SEALED, SEAL INTEGRITY — INTACT: Y N

H = HCL; N = HNO_3; S = H_2SO_4; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

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CHAIN-of-CUSTODY

№ 09646

PAGE 5 of 5

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

PROJECT NAME / FACILITY ID: SMMUSD
PROJECT NUMBER: 04-33950A DATE: 10/7/14
PROJECT LOCATION: Santa Monica
IS THIS A UST PROJECT OR IS EDF REQUIRED? Y (N) IF YES, GLOBAL ID #:

MSA#:
WO#:
FIELD PERSON: Brian B / Rob B.
PROJECT MANAGER: Doug L
LABORATORY: Test America

SAMPLER: Brian Bauer
SIGNATURE:

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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's 8082A	COMMENTS
1007-EE-BC-B018-A	10/7	—	—	—	O	2	—	no	X	TAT → 48 hours
1007-EE-BC-B018-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B018-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	O=Other
1007-EE-BC-B019-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B019-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B019-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
TOTAL	X	X	X							

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
[signature]	0945/10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): [signature]	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY; 24 HOURS; 48 HOURS; ~~72 HOURS~~; 5 DAYS; NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp 3.6 / 3.3

IF SEALED, SEAL INTEGRITY — INTACT: Y N

H = HCL; N = HNO_3; S = H_2SO_4; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

Login Sample Receipt Checklist

Client: ENVIRON International Corp.

Job Number: 440-89886-1

Login Number: 89886

List Source: TestAmerica Irvine

List Number: 1

Creator: Gonzales, Steve

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

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TestAmerica Job ID: 440-89886-2
Client Project/Site: Edison, Santa Monica, 04-33980H

For:
ENVIRON International Corp.
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Suite 800
Boston, Massachusetts 02110

Attn: Doug Lindsay

Authorized for release by:
10/20/2014 2:39:20 PM

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-89886-2	1007-EE-BC-LIB-B001-B	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-5	1007-EE-BC-LIB-B002-B	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-11	1007-EE-BC-LIB-B004-B	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-14	1007-EE-BC-LIB-B005-B	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-17	1007-EE-BC-LIB-B006-B	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-23	1007-EE-BC-LIB-B008-B	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-26	1007-EE-BC-LIB-B009-B	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-29	1007-EE-BC-LIB-B010-B	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-32	1007-EE-BC-LIB-B011-B	Solid	10/07/14 00:01	10/08/14 09:45

Case Narrative

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-2

Job ID: 440-89886-2

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-89886-2

Comments
The following samples were removed from hold status and EPA 8082 PCB tests requested per 10/14/14 client email: 1007-EE-BC-LIB-B001-B (440-89886-2), 1007-EE-BC-LIB-B002-B (440-89886-5), 1007-EE-BC-LIB-B004-B (440-89886-11), 1007-EE-BC-LIB-B005-B (440-89886-14), 1007-EE-BC-LIB-B006-B (440-89886-17), 1007-EE-BC-LIB-B008-B (440-89886-23), 1007-EE-BC-LIB-B009-B (440-89886-26), 1007-EE-BC-LIB-B010-B (440-89886-29), 1007-EE-BC-LIB-B011-B (440-89886-32). Only the additional test results are included in this report.

Receipt
The samples were received on 10/8/2014 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC Semi VOA
Method(s) 8082: The following samples appear to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: 1007-EE-BC-LIB-B005-B (440-89886-14), 1007-EE-BC-LIB-B010-B (440-89886-29), 1007-EE-BC-LIB-B011-B (440-89886-32). The sample(s) has been quantified and reported as a mixture of Aroclors. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result. The best overall pattern match was used for identification and quantitiation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-2

Client Sample ID: 1007-EE-BC-LIB-B001-B

Lab Sample ID: 440-89886-2
Matrix: Solid

Date Collected: 10/07/14 00:01
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		440	ug/Kg		10/15/14 10:31	10/17/14 17:07	5
Aroclor-1221	ND		440	ug/Kg		10/15/14 10:31	10/17/14 17:07	5
Aroclor-1232	ND		440	ug/Kg		10/15/14 10:31	10/17/14 17:07	5
Aroclor-1242	ND		440	ug/Kg		10/15/14 10:31	10/17/14 17:07	5
Aroclor-1248	ND		440	ug/Kg		10/15/14 10:31	10/17/14 17:07	5
Aroclor-1254	**830**		440	ug/Kg		10/15/14 10:31	10/17/14 17:07	5
Aroclor-1260	ND		440	ug/Kg		10/15/14 10:31	10/17/14 17:07	5
Aroclor-1262	ND		440	ug/Kg		10/15/14 10:31	10/17/14 17:07	5
Aroclor-1268	ND		440	ug/Kg		10/15/14 10:31	10/17/14 17:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*114*		*29 - 151*	*10/15/14 10:31*	*10/17/14 17:07*	*5*
DCB Decachlorobiphenyl	*104*		*14 - 163*	*10/15/14 10:31*	*10/17/14 17:07*	*5*

Client Sample ID: 1007-EE-BC-LIB-B002-B

Lab Sample ID: 440-89886-5
Matrix: Solid

Date Collected: 10/07/14 00:01
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		650	ug/Kg		10/15/14 10:31	10/17/14 16:51	5
Aroclor-1221	ND		650	ug/Kg		10/15/14 10:31	10/17/14 16:51	5
Aroclor-1232	ND		650	ug/Kg		10/15/14 10:31	10/17/14 16:51	5
Aroclor-1242	ND		650	ug/Kg		10/15/14 10:31	10/17/14 16:51	5
Aroclor-1248	ND		650	ug/Kg		10/15/14 10:31	10/17/14 16:51	5
Aroclor-1254	**890**		650	ug/Kg		10/15/14 10:31	10/17/14 16:51	5
Aroclor-1260	ND		650	ug/Kg		10/15/14 10:31	10/17/14 16:51	5
Aroclor-1262	ND		650	ug/Kg		10/15/14 10:31	10/17/14 16:51	5
Aroclor-1268	ND		650	ug/Kg		10/15/14 10:31	10/17/14 16:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*29 - 151*	*10/15/14 10:31*	*10/17/14 16:51*	*5*
DCB Decachlorobiphenyl	*95*		*14 - 163*	*10/15/14 10:31*	*10/17/14 16:51*	*5*

Client Sample ID: 1007-EE-BC-LIB-B004-B

Lab Sample ID: 440-89886-11
Matrix: Solid

Date Collected: 10/07/14 00:01
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1000	ug/Kg		10/15/14 10:31	10/17/14 14:18	10
Aroclor-1221	ND		1000	ug/Kg		10/15/14 10:31	10/17/14 14:18	10
Aroclor-1232	ND		1000	ug/Kg		10/15/14 10:31	10/17/14 14:18	10
Aroclor-1242	ND		1000	ug/Kg		10/15/14 10:31	10/17/14 14:18	10
Aroclor-1248	ND		1000	ug/Kg		10/15/14 10:31	10/17/14 14:18	10
Aroclor-1254	**1800**		1000	ug/Kg		10/15/14 10:31	10/17/14 14:18	10
Aroclor-1260	ND		1000	ug/Kg		10/15/14 10:31	10/17/14 14:18	10
Aroclor-1262	ND		1000	ug/Kg		10/15/14 10:31	10/17/14 14:18	10
Aroclor-1268	ND		1000	ug/Kg		10/15/14 10:31	10/17/14 14:18	10

Client Sample ID: 1007-EE-BC-LIB-B004-B — Lab Sample ID: 440-89886-11

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		29 - 151	10/15/14 10:31	10/17/14 14:18	10
DCB Decachlorobiphenyl	88		14 - 163	10/15/14 10:31	10/17/14 14:18	10

Client Sample ID: 1007-EE-BC-LIB-B005-B — Lab Sample ID: 440-89886-14

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1400	ug/Kg		10/15/14 10:31	10/17/14 13:31	10
Aroclor-1221	ND		1400	ug/Kg		10/15/14 10:31	10/17/14 13:31	10
Aroclor-1232	ND		1400	ug/Kg		10/15/14 10:31	10/17/14 13:31	10
Aroclor-1242	ND		1400	ug/Kg		10/15/14 10:31	10/17/14 13:31	10
Aroclor-1248	**1700**		1400	ug/Kg		10/15/14 10:31	10/17/14 13:31	10
Aroclor-1254	ND		1400	ug/Kg		10/15/14 10:31	10/17/14 13:31	10
Aroclor-1260	ND		1400	ug/Kg		10/15/14 10:31	10/17/14 13:31	10
Aroclor-1262	ND		1400	ug/Kg		10/15/14 10:31	10/17/14 13:31	10
Aroclor-1268	ND		1400	ug/Kg		10/15/14 10:31	10/17/14 13:31	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	123		29 - 151	10/15/14 10:31	10/17/14 13:31	10
DCB Decachlorobiphenyl	121		14 - 163	10/15/14 10:31	10/17/14 13:31	10

Client Sample ID: 1007-EE-BC-LIB-B006-B — Lab Sample ID: 440-89886-17

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		690	ug/Kg		10/15/14 10:31	10/17/14 13:15	5
Aroclor-1221	ND		690	ug/Kg		10/15/14 10:31	10/17/14 13:15	5
Aroclor-1232	ND		690	ug/Kg		10/15/14 10:31	10/17/14 13:15	5
Aroclor-1242	ND		690	ug/Kg		10/15/14 10:31	10/17/14 13:15	5
Aroclor-1248	ND		690	ug/Kg		10/15/14 10:31	10/17/14 13:15	5
Aroclor-1254	**1200**		690	ug/Kg		10/15/14 10:31	10/17/14 13:15	5
Aroclor-1260	ND		690	ug/Kg		10/15/14 10:31	10/17/14 13:15	5
Aroclor-1262	ND		690	ug/Kg		10/15/14 10:31	10/17/14 13:15	5
Aroclor-1268	ND		690	ug/Kg		10/15/14 10:31	10/17/14 13:15	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	62		29 - 151	10/15/14 10:31	10/17/14 13:15	5
DCB Decachlorobiphenyl	57		14 - 163	10/15/14 10:31	10/17/14 13:15	5

Client Sample ID: 1007-EE-BC-LIB-B008-B — Lab Sample ID: 440-89886-23

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		980	ug/Kg		10/15/14 10:31	10/17/14 15:06	10
Aroclor-1221	ND		980	ug/Kg		10/15/14 10:31	10/17/14 15:06	10

Client Sample ID: 1007-EE-BC-LIB-B008-B

Lab Sample ID: 440-89886-23

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1232	ND		980	ug/Kg		10/15/14 10:31	10/17/14 15:06	10
Aroclor-1242	ND		980	ug/Kg		10/15/14 10:31	10/17/14 15:06	10
Aroclor-1248	ND		980	ug/Kg		10/15/14 10:31	10/17/14 15:06	10
Aroclor-1254	**2400**		980	ug/Kg		10/15/14 10:31	10/17/14 15:06	10
Aroclor-1260	ND		980	ug/Kg		10/15/14 10:31	10/17/14 15:06	10
Aroclor-1262	ND		980	ug/Kg		10/15/14 10:31	10/17/14 15:06	10
Aroclor-1268	ND		980	ug/Kg		10/15/14 10:31	10/17/14 15:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*29 - 151*	*10/15/14 10:31*	*10/17/14 15:06*	*10*
DCB Decachlorobiphenyl	*99*		*14 - 163*	*10/15/14 10:31*	*10/17/14 15:06*	*10*

Client Sample ID: 1007-EE-BC-LIB-B009-B

Lab Sample ID: 440-89886-26

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		610	ug/Kg		10/15/14 10:31	10/17/14 16:35	5
Aroclor-1221	ND		610	ug/Kg		10/15/14 10:31	10/17/14 16:35	5
Aroclor-1232	ND		610	ug/Kg		10/15/14 10:31	10/17/14 16:35	5
Aroclor-1242	ND		610	ug/Kg		10/15/14 10:31	10/17/14 16:35	5
Aroclor-1248	ND		610	ug/Kg		10/15/14 10:31	10/17/14 16:35	5
Aroclor-1254	**790**		610	ug/Kg		10/15/14 10:31	10/17/14 16:35	5
Aroclor-1260	ND		610	ug/Kg		10/15/14 10:31	10/17/14 16:35	5
Aroclor-1262	ND		610	ug/Kg		10/15/14 10:31	10/17/14 16:35	5
Aroclor-1268	ND		610	ug/Kg		10/15/14 10:31	10/17/14 16:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*112*		*29 - 151*	*10/15/14 10:31*	*10/17/14 16:35*	*5*
DCB Decachlorobiphenyl	*102*		*14 - 163*	*10/15/14 10:31*	*10/17/14 16:35*	*5*

Client Sample ID: 1007-EE-BC-LIB-B010-B

Lab Sample ID: 440-89886-29

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1200	ug/Kg		10/15/14 10:31	10/17/14 14:34	10
Aroclor-1221	ND		1200	ug/Kg		10/15/14 10:31	10/17/14 14:34	10
Aroclor-1232	ND		1200	ug/Kg		10/15/14 10:31	10/17/14 14:34	10
Aroclor-1242	ND		1200	ug/Kg		10/15/14 10:31	10/17/14 14:34	10
Aroclor-1248	**3900**		1200	ug/Kg		10/15/14 10:31	10/17/14 14:34	10
Aroclor-1254	ND		1200	ug/Kg		10/15/14 10:31	10/17/14 14:34	10
Aroclor-1260	ND		1200	ug/Kg		10/15/14 10:31	10/17/14 14:34	10
Aroclor-1262	ND		1200	ug/Kg		10/15/14 10:31	10/17/14 14:34	10
Aroclor-1268	ND		1200	ug/Kg		10/15/14 10:31	10/17/14 14:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*29 - 151*	*10/15/14 10:31*	*10/17/14 14:34*	*10*
DCB Decachlorobiphenyl	*99*		*14 - 163*	*10/15/14 10:31*	*10/17/14 14:34*	*10*

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-2

Client Sample ID: 1007-EE-BC-LIB-B011-B

Lab Sample ID: 440-89886-32

Date Collected: 10/07/14 00:01

Matrix: Solid

Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		650		ug/Kg		10/15/14 10:31	10/17/14 17:22	5
Aroclor-1221	ND		650		ug/Kg		10/15/14 10:31	10/17/14 17:22	5
Aroclor-1232	ND		650		ug/Kg		10/15/14 10:31	10/17/14 17:22	5
Aroclor-1242	ND		650		ug/Kg		10/15/14 10:31	10/17/14 17:22	5
Aroclor-1248	**750**		650		ug/Kg		10/15/14 10:31	10/17/14 17:22	5
Aroclor-1254	ND		650		ug/Kg		10/15/14 10:31	10/17/14 17:22	5
Aroclor-1260	ND		650		ug/Kg		10/15/14 10:31	10/17/14 17:22	5
Aroclor-1262	ND		650		ug/Kg		10/15/14 10:31	10/17/14 17:22	5
Aroclor-1268	ND		650		ug/Kg		10/15/14 10:31	10/17/14 17:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*29 - 151*	*10/15/14 10:31*	*10/17/14 17:22*	*5*
DCB Decachlorobiphenyl	*111*		*14 - 163*	*10/15/14 10:31*	*10/17/14 17:22*	*5*

Method Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-2

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-2

Client Sample ID: 1007-EE-BC-LIB-B001-B — Lab Sample ID: 440-89886-2

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			11.30 g	10.0 mL	151741	10/15/14 10:31	KEC	TAL CAN
Total/NA	Analysis	8082		5	11.30 g	10.0 mL	152122	10/17/14 17:07	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B002-B — Lab Sample ID: 440-89886-5

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			7.61 g	10.0 mL	151741	10/15/14 10:31	KEC	TAL CAN
Total/NA	Analysis	8082		5	7.61 g	10.0 mL	152122	10/17/14 16:51	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B004-B — Lab Sample ID: 440-89886-11

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			9.82 g	10.0 mL	151741	10/15/14 10:31	KEC	TAL CAN
Total/NA	Analysis	8082		10	9.82 g	10.0 mL	152122	10/17/14 14:18	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B005-B — Lab Sample ID: 440-89886-14

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			6.98 g	10.0 mL	151741	10/15/14 10:31	KEC	TAL CAN
Total/NA	Analysis	8082		10	6.98 g	10.0 mL	152122	10/17/14 13:31	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B006-B — Lab Sample ID: 440-89886-17

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			7.16 g	10.0 mL	151741	10/15/14 10:31	KEC	TAL CAN
Total/NA	Analysis	8082		5	7.16 g	10.0 mL	152122	10/17/14 13:15	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B008-B — Lab Sample ID: 440-89886-23

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			10.15 g	10.0 mL	151741	10/15/14 10:31	KEC	TAL CAN
Total/NA	Analysis	8082		10	10.15 g	10.0 mL	152122	10/17/14 15:06	HMB	TAL CAN

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-2

Client Sample ID: 1007-EE-BC-LIB-B009-B

Lab Sample ID: 440-89886-26

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			8.17 g	10.0 mL	151741	10/15/14 10:31	KEC	TAL CAN
Total/NA	Analysis	8082		5	8.17 g	10.0 mL	152122	10/17/14 16:35	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B010-B

Lab Sample ID: 440-89886-29

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			8.05 g	10.0 mL	151741	10/15/14 10:31	KEC	TAL CAN
Total/NA	Analysis	8082		10	8.05 g	10.0 mL	152122	10/17/14 14:34	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B011-B

Lab Sample ID: 440-89886-32

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			7.62 g	10.0 mL	151741	10/15/14 10:31	KEC	TAL CAN
Total/NA	Analysis	8082		5	7.62 g	10.0 mL	152122	10/17/14 17:22	HMB	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-151741/10-A
Matrix: Solid
Analysis Batch: 152122

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 151741

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33		ug/Kg		10/15/14 10:31	10/17/14 15:21	1
Aroclor-1221	ND		33		ug/Kg		10/15/14 10:31	10/17/14 15:21	1
Aroclor-1232	ND		33		ug/Kg		10/15/14 10:31	10/17/14 15:21	1
Aroclor-1242	ND		33		ug/Kg		10/15/14 10:31	10/17/14 15:21	1
Aroclor-1248	ND		33		ug/Kg		10/15/14 10:31	10/17/14 15:21	1
Aroclor-1254	ND		33		ug/Kg		10/15/14 10:31	10/17/14 15:21	1
Aroclor-1260	ND		33		ug/Kg		10/15/14 10:31	10/17/14 15:21	1
Aroclor-1262	ND		33		ug/Kg		10/15/14 10:31	10/17/14 15:21	1
Aroclor-1268	ND		33		ug/Kg		10/15/14 10:31	10/17/14 15:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*29 - 151*	*10/15/14 10:31*	*10/17/14 15:21*	*1*
DCB Decachlorobiphenyl	*91*		*14 - 163*	*10/15/14 10:31*	*10/17/14 15:21*	*1*

Lab Sample ID: LCS 240-151741/11-A
Matrix: Solid
Analysis Batch: 152122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 151741

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			333	232		ug/Kg		70	62 - 120		
Aroclor-1260			333	248		ug/Kg		74	56 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*68*		*29 - 151*
DCB Decachlorobiphenyl	*74*		*14 - 163*

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-2

GC Semi VOA

Prep Batch: 151741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-89886-2	1007-EE-BC-LIB-B001-B	Total/NA	Solid	3540C	
440-89886-5	1007-EE-BC-LIB-B002-B	Total/NA	Solid	3540C	
440-89886-11	1007-EE-BC-LIB-B004-B	Total/NA	Solid	3540C	
440-89886-14	1007-EE-BC-LIB-B005-B	Total/NA	Solid	3540C	
440-89886-17	1007-EE-BC-LIB-B006-B	Total/NA	Solid	3540C	
440-89886-23	1007-EE-BC-LIB-B008-B	Total/NA	Solid	3540C	
440-89886-26	1007-EE-BC-LIB-B009-B	Total/NA	Solid	3540C	
440-89886-29	1007-EE-BC-LIB-B010-B	Total/NA	Solid	3540C	
440-89886-32	1007-EE-BC-LIB-B011-B	Total/NA	Solid	3540C	
LCS 240-151741/11-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-151741/10-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 152122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-89886-2	1007-EE-BC-LIB-B001-B	Total/NA	Solid	8082	151741
440-89886-5	1007-EE-BC-LIB-B002-B	Total/NA	Solid	8082	151741
440-89886-11	1007-EE-BC-LIB-B004-B	Total/NA	Solid	8082	151741
440-89886-14	1007-EE-BC-LIB-B005-B	Total/NA	Solid	8082	151741
440-89886-17	1007-EE-BC-LIB-B006-B	Total/NA	Solid	8082	151741
440-89886-23	1007-EE-BC-LIB-B008-B	Total/NA	Solid	8082	151741
440-89886-26	1007-EE-BC-LIB-B009-B	Total/NA	Solid	8082	151741
440-89886-29	1007-EE-BC-LIB-B010-B	Total/NA	Solid	8082	151741
440-89886-32	1007-EE-BC-LIB-B011-B	Total/NA	Solid	8082	151741
LCS 240-151741/11-A	Lab Control Sample	Total/NA	Solid	8082	151741
MB 240-151741/10-A	Method Blank	Total/NA	Solid	8082	151741

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-2

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-15
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-29-15
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

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CHAIN-of-CUSTODY № 10740

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

PROJECT NAME / FACILITY ID: SMMUSD
PROJECT NUMBER: 04-33980tt DATE: 10/7/14
PROJECT LOCATION: Santa Monica
IS THIS A UST PROJECT OR IS EDF REQUIRED? Y (N) IF YES, GLOBAL ID #:

MSA#: WO#:
FIELD PERSON: Brian B / Rob B
PROJECT MANAGER: Doug K.
LABORATORY: Test America

SAMPLER: Brian Bauer
SIGNATURE:

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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: PCBs 8082	COMMENTS
1007-EE-BC-LIB-B001-A	10/7	—	—	—	O	1	—	NO	X	• TAT → 48 hours for all samples
1007-EE-BC-LIB-B001-B										
1007-EE-BC-LIB-B001-C										
1007-EE-BC-LIB-B002-A										O = Other
1007-EE-BC-LIB-B002-B										
1007-EE-BC-LIB-B002-C										
1007-EE-BC-LIB-B003-A										
1007-EE-BC-LIB-B003-B										
1007-EE-BC-LIB-B003-C										
1007-EE-BC-LIB-B004-A										
1007-EE-BC-LIB-B004-B										
1007-EE-BC-LIB-B004-C										
1007-EE-BC-LIB-B005-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
TOTAL	X	X	X							

440-89886 Chain of Custody

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
	0945 / 10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY / 24 HOURS / 48 HOURS / ~~72 HOURS~~ / 5 DAYS / NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp 3.6/3.3

IF SEALED, SEAL INTEGRITY — INTACT: Y N

O = OTHER; NO = NONE; U = UNKNOWN; S = H_2SO_4; N = HNO_3; H = HCl;

FILE: LOG FORMS\Chain_of_Custody

ENVIRON

CHAIN-of-CUSTODY № 10741

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

PROJECT NAME / FACILITY ID: SMMUSD
PROJECT NUMBER: 04-33980A
DATE: 10/7/14
PROJECT LOCATION: Santa Monica
IS THIS A UST PROJECT OR IS EDF REQUIRED? Y (N) IF YES, GLOBAL ID #:

MSA#:
WO#:
FIELD PERSON: Brian B / Rob B
PROJECT MANAGER: Doug L
LABORATORY: Test America

SAMPLER: Brian Bauer
SIGNATURE:

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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: PCBS 8082A	COMMENTS
1007-EE-BC-B005-B	10/7	—	—	—	O	1	—	NO	X	• TAT → 48 hours
1007-EE-BC-B005-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B006-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	O = Other
1007-EE-BC-B006-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B006-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B007-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B007-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B007-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B008-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B008-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B005-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B009-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B009-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
TOTAL	X	X	X							

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
	0945 10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY / 24 HOURS / 48 HOURS / 72 HOURS / 5 DAYS / NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp

IF SEALED, SEAL INTEGRITY — INTACT: Y N

H = HCL; N = HNO_3; S = H_2SO_4; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

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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: SMMUSD

FIELD PERSON: Brian B / Rob B

PROJECT NUMBER: 04-33980A DATE: 10/7/14

PROJECT MANAGER: Doug L

PROJECT LOCATION: Santa Monica

LABORATORY: Test America

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

SAMPLER: Brian Bauer

SIGNATURE: [signature]

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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 8082	COMMENTS
1007-EE-BC-B009-C	10/7	—	—	—	O	1	—	NO	X	TAT → 48 hours
1007-EE-BC-B010-A										
1007-EE-BC-B010-B										O=Other
1007-EE-BC-B010-C										
1007-EE-BC-B011-A										
1007-EE-BC-B011-B										
1007-EE-BC-B011-C										
1007-EE-BC-B012-A										
1007-EE-BC-B012-B										
1007-EE-BC-B012-C										
1007-EE-BC-B013-A										
1007-EE-BC-B013-B										
1007-EE-BC-B013-C										
TOTAL	X	X	X							

O = OTHER; NO = NONE; U = UNKNOWN; S = H_2SO_4; N = HNO_3; H = HCL;

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
[signature]	0945 / 10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): [signature]	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY; 24 HOURS; 48 HOURS BB; 72 HOURS; 5 DAYS; NORMAL

SAMPLE INTEGRITY: INTACT: Y N Temp_____

IF SEALED, SEAL INTEGRITY: INTACT: Y N

FILE: LOG FORMS\Chain_of_Custody

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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: SMMUSD

FIELD PERSON: Brian B/Rob B

PROJECT NUMBER: 04-33980A DATE: 10/7/14

PROJECT MANAGER: Doug L

PROJECT LOCATION: Santa Monica

LABORATORY: Test America

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

SAMPLER: Brian Barr

SIGNATURE:

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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: PCBs 8082A	COMMENTS
1007-EE-BC-B014-A	10/7	—	—	—	O	1	—	No	X	TAT→48 hours
1007-EE-BC-B014-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B014-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	O=Other
1007-EE-BC-B015-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B015-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B015-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B016-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B016-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B016-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B017-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B017-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B017-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
TOTAL	X	X	X							

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
[signature]	0945 / 10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): [signature]	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY; 24 HOURS; 48 HOURS BB; ~~72 HOURS~~; 5 DAYS; NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp 3.6/3.7

IF SEALED, SEAL INTEGRITY — INTACT: Y N

H = HCL; N = HNO_3; S = H_2SO_4; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

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MSA#: ____ WO#: ____

PROJECT NAME / FACILITY ID: SMMUSD

PROJECT NUMBER: 04-33950A DATE: 10/7/14

PROJECT LOCATION: Santa Monica

FIELD PERSON: Brian B / Rob B.

PROJECT MANAGER: Doug L

LABORATORY: Test America

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y (N) IF YES, GLOBAL ID #: ____

SAMPLER: Brian Bauer

SIGNATURE: [signature]

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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's 8082A	COMMENTS
1007-EE-BC-B018-A	10/7	—	—	—	O	2	—	NO	X	TAT → 48 hours
1007-EE-BC-B018-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B018-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	O=Other
1007-EE-BC-B019-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B019-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B019-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
TOTAL	X	X	X							

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
[signature]	0945/10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): [signature]	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY; 24 HOURS; 48 HOURS; 72 HOURS; 5 DAYS; NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp 3.6 / 3.3

IF SEALED, SEAL INTEGRITY — INTACT: Y N

H = HCL; N = HNO_3; S = H_2SO_4; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

Login Sample Receipt Checklist

Client: ENVIRON International Corp.

Job Number: 440-89886-2

Login Number: 89886

List Source: TestAmerica Irvine

List Number: 1

Creator: Gonzales, Steve

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-89886-4
Client Project/Site: Edison, Santa Monica, 04-33980H

For:
ENVIRON International Corp.
20 Custom House St
Suite 800
Boston, Massachusetts 02110

Attn: Doug Lindsay

Authorized for release by:
10/31/2014 10:29:15 AM

Patty Mata, Senior Project Manager
(949)261-1022
patty.mata@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-89886-12	1007-EE-BC-LIB-B004-C	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-15	1007-EE-BC-LIB-B005-C	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-18	1007-EE-BC-LIB-B006-C	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-24	1007-EE-BC-LIB-B008-C	Solid	10/07/14 00:01	10/08/14 09:45
440-89886-30	1007-EE-BC-LIB-B010-C	Solid	10/07/14 00:01	10/08/14 09:45

Job ID: 440-89886-4

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-89886-4

Comments
The following samples were removed from hold status and EPA 8082 PCB tests requested per 10/20/14 client email: 1007-EE-BC-LIB-B004-C (440-89886-12), 1007-EE-BC-LIB-B005-C (440-89886-15), 1007-EE-BC-LIB-B006-C (440-89886-18), 1007-EE-BC-LIB-B008-C (440-89886-24), 1007-EE-BC-LIB-B010-C (440-89886-30). Only the additional test results are included in this report.

Receipt
The samples were received on 10/8/2014 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC Semi VOA
Method(s) 8082: The following samples appears to contain polychlorinated biphenyls (PCBs): 1007-EE-BC-LIB-B008-C (440-89886-24), 1007-EE-BC-LIB-B010-C (440-89886-30). The sample(s) has been quantified and reported as a mixture of Aroclors. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result. The best overall pattern match was used of identification and quantitation.

Method(s) 8082: The following samples appears to contain polychlorinated biphenyls (PCBs): 1007-EE-BC-LIB-B004-C (440-89886-12). The sample has been quantified and reported as a mixture of Aroclors 1248 and 1254. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result. The best overall pattern match was used for indentification and quantitation.

Method(s) 8082: Surrogate recovery for the following sample was outside control limits: 1007-EE-BC-LIB-B004-C (440-89886-12). Re-extraction and/or re-analysis was performed outside of holding time with acceptable surrogate recoveries. Both the original extraction and re-extraction results are reported.

Method(s) 8082: The following sample required a tetrabutylammonium sulfite (TBA) and KMNO4 clean-up to reduce matrix interferences caused by sulfur: 1007-EE-BC-LIB-B004-C (440-89886-12).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-4

Client Sample ID: 1007-EE-BC-LIB-B004-C

Lab Sample ID: 440-89886-12

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		200	ug/Kg		10/21/14 08:43	10/24/14 10:02	1
Aroclor-1221	ND		200	ug/Kg		10/21/14 08:43	10/24/14 10:02	1
Aroclor-1232	ND		200	ug/Kg		10/21/14 08:43	10/24/14 10:02	1
Aroclor-1242	ND		200	ug/Kg		10/21/14 08:43	10/24/14 10:02	1
Aroclor-1248	ND		200	ug/Kg		10/21/14 08:43	10/24/14 10:02	1
Aroclor-1254	**700**		200	ug/Kg		10/21/14 08:43	10/24/14 10:02	1
Aroclor-1260	ND		200	ug/Kg		10/21/14 08:43	10/24/14 10:02	1
Aroclor-1262	ND		200	ug/Kg		10/21/14 08:43	10/24/14 10:02	1
Aroclor-1268	ND		200	ug/Kg		10/21/14 08:43	10/24/14 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*X*	*29 - 151*	*10/21/14 08:43*	*10/24/14 10:02*	*1*
DCB Decachlorobiphenyl	*0*	*X*	*14 - 163*	*10/21/14 08:43*	*10/24/14 10:02*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - RE

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND	H	240	ug/Kg		10/28/14 07:26	10/30/14 20:07	1
Aroclor-1221	ND	H	240	ug/Kg		10/28/14 07:26	10/30/14 20:07	1
Aroclor-1232	ND	H	240	ug/Kg		10/28/14 07:26	10/30/14 20:07	1
Aroclor-1242	ND	H	240	ug/Kg		10/28/14 07:26	10/30/14 20:07	1
Aroclor-1248	ND	H	240	ug/Kg		10/28/14 07:26	10/30/14 20:07	1
Aroclor-1254	**1000**	**H**	240	ug/Kg		10/28/14 07:26	10/30/14 20:07	1
Aroclor-1260	ND	H	240	ug/Kg		10/28/14 07:26	10/30/14 20:07	1
Aroclor-1262	ND	H	240	ug/Kg		10/28/14 07:26	10/30/14 20:07	1
Aroclor-1268	ND	H	240	ug/Kg		10/28/14 07:26	10/30/14 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*47*	*p*	*29 - 151*	*10/28/14 07:26*	*10/30/14 20:07*	*1*
DCB Decachlorobiphenyl	*79*		*14 - 163*	*10/28/14 07:26*	*10/30/14 20:07*	*1*

Client Sample ID: 1007-EE-BC-LIB-B005-C

Lab Sample ID: 440-89886-15

Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		120	ug/Kg		10/21/14 08:43	10/24/14 10:14	1
Aroclor-1221	ND		120	ug/Kg		10/21/14 08:43	10/24/14 10:14	1
Aroclor-1232	ND		120	ug/Kg		10/21/14 08:43	10/24/14 10:14	1
Aroclor-1242	ND		120	ug/Kg		10/21/14 08:43	10/24/14 10:14	1
Aroclor-1248	**390**		120	ug/Kg		10/21/14 08:43	10/24/14 10:14	1
Aroclor-1254	ND		120	ug/Kg		10/21/14 08:43	10/24/14 10:14	1
Aroclor-1260	ND		120	ug/Kg		10/21/14 08:43	10/24/14 10:14	1
Aroclor-1262	ND		120	ug/Kg		10/21/14 08:43	10/24/14 10:14	1
Aroclor-1268	ND		120	ug/Kg		10/21/14 08:43	10/24/14 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*137*		*29 - 151*	*10/21/14 08:43*	*10/24/14 10:14*	*1*
DCB Decachlorobiphenyl	*86*		*14 - 163*	*10/21/14 08:43*	*10/24/14 10:14*	*1*

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-4

Client Sample ID: 1007-EE-BC-LIB-B006-C

Lab Sample ID: 440-89886-18
Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		730	ug/Kg		10/21/14 08:43	10/23/14 18:43	10
Aroclor-1221	ND		730	ug/Kg		10/21/14 08:43	10/23/14 18:43	10
Aroclor-1232	ND		730	ug/Kg		10/21/14 08:43	10/23/14 18:43	10
Aroclor-1242	ND		730	ug/Kg		10/21/14 08:43	10/23/14 18:43	10
Aroclor-1248	ND		730	ug/Kg		10/21/14 08:43	10/23/14 18:43	10
Aroclor-1254	**1100**		730	ug/Kg		10/21/14 08:43	10/23/14 18:43	10
Aroclor-1260	ND		730	ug/Kg		10/21/14 08:43	10/23/14 18:43	10
Aroclor-1262	ND		730	ug/Kg		10/21/14 08:43	10/23/14 18:43	10
Aroclor-1268	ND		730	ug/Kg		10/21/14 08:43	10/23/14 18:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*29 - 151*	*10/21/14 08:43*	*10/23/14 18:43*	*10*
DCB Decachlorobiphenyl	*96*	*p*	*14 - 163*	*10/21/14 08:43*	*10/23/14 18:43*	*10*

Client Sample ID: 1007-EE-BC-LIB-B008-C

Lab Sample ID: 440-89886-24
Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		630	ug/Kg		10/21/14 08:43	10/23/14 18:56	5
Aroclor-1221	ND		630	ug/Kg		10/21/14 08:43	10/23/14 18:56	5
Aroclor-1232	ND		630	ug/Kg		10/21/14 08:43	10/23/14 18:56	5
Aroclor-1242	ND		630	ug/Kg		10/21/14 08:43	10/23/14 18:56	5
Aroclor-1248	ND		630	ug/Kg		10/21/14 08:43	10/23/14 18:56	5
Aroclor-1254	**1000**		630	ug/Kg		10/21/14 08:43	10/23/14 18:56	5
Aroclor-1260	ND		630	ug/Kg		10/21/14 08:43	10/23/14 18:56	5
Aroclor-1262	ND		630	ug/Kg		10/21/14 08:43	10/23/14 18:56	5
Aroclor-1268	ND		630	ug/Kg		10/21/14 08:43	10/23/14 18:56	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*29 - 151*	*10/21/14 08:43*	*10/23/14 18:56*	*5*
DCB Decachlorobiphenyl	*84*		*14 - 163*	*10/21/14 08:43*	*10/23/14 18:56*	*5*

Client Sample ID: 1007-EE-BC-LIB-B010-C

Lab Sample ID: 440-89886-30
Date Collected: 10/07/14 00:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		260	ug/Kg		10/21/14 08:43	10/23/14 19:08	2
Aroclor-1221	ND		260	ug/Kg		10/21/14 08:43	10/23/14 19:08	2
Aroclor-1232	ND		260	ug/Kg		10/21/14 08:43	10/23/14 19:08	2
Aroclor-1242	ND		260	ug/Kg		10/21/14 08:43	10/23/14 19:08	2
Aroclor-1248	ND		260	ug/Kg		10/21/14 08:43	10/23/14 19:08	2
Aroclor-1254	**920**		260	ug/Kg		10/21/14 08:43	10/23/14 19:08	2
Aroclor-1260	ND		260	ug/Kg		10/21/14 08:43	10/23/14 19:08	2
Aroclor-1262	ND		260	ug/Kg		10/21/14 08:43	10/23/14 19:08	2
Aroclor-1268	ND		260	ug/Kg		10/21/14 08:43	10/23/14 19:08	2

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-4

Client Sample ID: 1007-EE-BC-LIB-B010-C
Date Collected: 10/07/14 00:01
Date Received: 10/08/14 09:45

Lab Sample ID: 440-89886-30
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		29 - 151	10/21/14 08:43	10/23/14 19:08	2
DCB Decachlorobiphenyl	87		14 - 163	10/21/14 08:43	10/23/14 19:08	2

Method Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-4

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-4

Client Sample ID: 1007-EE-BC-LIB-B004-C — Lab Sample ID: 440-89886-12

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			5.02 g	10 mL	152512	10/21/14 08:43	EMB	TAL CAN
Total/NA	Analysis	8082		1	5.02 g	10 mL	153074	10/24/14 10:02	KMG	TAL CAN
Total/NA	Prep	3540C	RE		4.18 g	10 mL	153579	10/28/14 07:26	EMB	TAL CAN
Total/NA	Analysis	8082	RE	1	4.18 g	10 mL	154110	10/30/14 20:07	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B005-C — Lab Sample ID: 440-89886-15

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			8.10 g	10 mL	152512	10/21/14 08:43	EMB	TAL CAN
Total/NA	Analysis	8082		1	8.10 g	10 mL	153074	10/24/14 10:14	KMG	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B006-C — Lab Sample ID: 440-89886-18

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			13.52 g	10 mL	152512	10/21/14 08:43	EMB	TAL CAN
Total/NA	Analysis	8082		10	13.52 g	10 mL	153032	10/23/14 18:43	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B008-C — Lab Sample ID: 440-89886-24

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			7.85 g	10 mL	152512	10/21/14 08:43	EMB	TAL CAN
Total/NA	Analysis	8082		5	7.85 g	10 mL	153032	10/23/14 18:56	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-B010-C — Lab Sample ID: 440-89886-30

Date Collected: 10/07/14 00:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			7.74 g	10 mL	152512	10/21/14 08:43	EMB	TAL CAN
Total/NA	Analysis	8082		2	7.74 g	10 mL	153032	10/23/14 19:08	LSH	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-4

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-152512/23-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 153032 — **Prep Batch: 152512**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/21/14 08:43	10/23/14 20:21	1
Aroclor-1221	ND		33	ug/Kg		10/21/14 08:43	10/23/14 20:21	1
Aroclor-1232	ND		33	ug/Kg		10/21/14 08:43	10/23/14 20:21	1
Aroclor-1242	ND		33	ug/Kg		10/21/14 08:43	10/23/14 20:21	1
Aroclor-1248	ND		33	ug/Kg		10/21/14 08:43	10/23/14 20:21	1
Aroclor-1254	ND		33	ug/Kg		10/21/14 08:43	10/23/14 20:21	1
Aroclor-1260	ND		33	ug/Kg		10/21/14 08:43	10/23/14 20:21	1
Aroclor-1262	ND		33	ug/Kg		10/21/14 08:43	10/23/14 20:21	1
Aroclor-1268	ND		33	ug/Kg		10/21/14 08:43	10/23/14 20:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*29 - 151*	*10/21/14 08:43*	*10/23/14 20:21*	*1*
DCB Decachlorobiphenyl	*95*		*14 - 163*	*10/21/14 08:43*	*10/23/14 20:21*	*1*

Lab Sample ID: LCS 240-152512/24-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 153032 — **Prep Batch: 152512**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	333	297		ug/Kg		89	62 - 120
Aroclor-1260	333	296		ug/Kg		89	56 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*86*		*29 - 151*
DCB Decachlorobiphenyl	*95*		*14 - 163*

Lab Sample ID: 550-33479-A-29-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 153032 — **Prep Batch: 152512**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		331	235		ug/Kg		71	22 - 157
Aroclor-1260	350		331	702	F1	ug/Kg		212	13 - 161

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*83*		*29 - 151*
DCB Decachlorobiphenyl	*126*		*14 - 163*

Lab Sample ID: 550-33479-A-29-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 153032 — **Prep Batch: 152512**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		332	229		ug/Kg		69	22 - 157	3	30
Aroclor-1260	350		332	723	F1	ug/Kg		217	13 - 161	3	30

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 550-33479-A-29-C MSD
Matrix: Solid
Analysis Batch: 153032

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 152512

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*82*		*29 - 151*
DCB Decachlorobiphenyl	*111*		*14 - 163*

Lab Sample ID: MB 240-153579/23-A
Matrix: Solid
Analysis Batch: 154110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 153579

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/28/14 07:26	10/30/14 14:53	1
Aroclor-1221	ND		33	ug/Kg		10/28/14 07:26	10/30/14 14:53	1
Aroclor-1232	ND		33	ug/Kg		10/28/14 07:26	10/30/14 14:53	1
Aroclor-1242	ND		33	ug/Kg		10/28/14 07:26	10/30/14 14:53	1
Aroclor-1248	ND		33	ug/Kg		10/28/14 07:26	10/30/14 14:53	1
Aroclor-1254	ND		33	ug/Kg		10/28/14 07:26	10/30/14 14:53	1
Aroclor-1260	ND		33	ug/Kg		10/28/14 07:26	10/30/14 14:53	1
Aroclor-1262	ND		33	ug/Kg		10/28/14 07:26	10/30/14 14:53	1
Aroclor-1268	ND		33	ug/Kg		10/28/14 07:26	10/30/14 14:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*29 - 151*	*10/28/14 07:26*	*10/30/14 14:53*	*1*
DCB Decachlorobiphenyl	*69*		*14 - 163*	*10/28/14 07:26*	*10/30/14 14:53*	*1*

Lab Sample ID: LCS 240-153579/24-A
Matrix: Solid
Analysis Batch: 154110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153579

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			333	279		ug/Kg		84	62 - 120		
Aroclor-1260			333	282		ug/Kg		85	56 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*76*		*29 - 151*
DCB Decachlorobiphenyl	*79*		*14 - 163*

Lab Sample ID: 240-43421-B-198-B MS
Matrix: Solid
Analysis Batch: 154110

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 153579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	ND		332	236		ug/Kg		71	22 - 157		
Aroclor-1260	59		332	335		ug/Kg		83	13 - 161		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*88*		*29 - 151*
DCB Decachlorobiphenyl	*77*		*14 - 163*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 240-43421-B-198-C MSD
Matrix: Solid
Analysis Batch: 154110

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 153579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		334	202		ug/Kg		60	22 - 157	16	30
Aroclor-1260	59		334	317		ug/Kg		77	13 - 161	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*82*		*29 - 151*
DCB Decachlorobiphenyl	*74*		*14 - 163*

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-4

GC Semi VOA

Prep Batch: 152512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-89886-12	1007-EE-BC-LIB-B004-C	Total/NA	Solid	3540C	
440-89886-15	1007-EE-BC-LIB-B005-C	Total/NA	Solid	3540C	
440-89886-18	1007-EE-BC-LIB-B006-C	Total/NA	Solid	3540C	
440-89886-24	1007-EE-BC-LIB-B008-C	Total/NA	Solid	3540C	
440-89886-30	1007-EE-BC-LIB-B010-C	Total/NA	Solid	3540C	
550-33479-A-29-B MS	Matrix Spike	Total/NA	Solid	3540C	
550-33479-A-29-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3540C	
LCS 240-152512/24-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-152512/23-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 153032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-89886-18	1007-EE-BC-LIB-B006-C	Total/NA	Solid	8082	152512
440-89886-24	1007-EE-BC-LIB-B008-C	Total/NA	Solid	8082	152512
440-89886-30	1007-EE-BC-LIB-B010-C	Total/NA	Solid	8082	152512
550-33479-A-29-B MS	Matrix Spike	Total/NA	Solid	8082	152512
550-33479-A-29-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	152512
LCS 240-152512/24-A	Lab Control Sample	Total/NA	Solid	8082	152512
MB 240-152512/23-A	Method Blank	Total/NA	Solid	8082	152512

Analysis Batch: 153074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-89886-12	1007-EE-BC-LIB-B004-C	Total/NA	Solid	8082	152512
440-89886-15	1007-EE-BC-LIB-B005-C	Total/NA	Solid	8082	152512

Prep Batch: 153579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-43421-B-198-B MS	Matrix Spike	Total/NA	Solid	3540C	
240-43421-B-198-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3540C	
440-89886-12 - RE	1007-EE-BC-LIB-B004-C	Total/NA	Solid	3540C	
LCS 240-153579/24-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-153579/23-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 154110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-43421-B-198-B MS	Matrix Spike	Total/NA	Solid	8082	153579
240-43421-B-198-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	153579
440-89886-12 - RE	1007-EE-BC-LIB-B004-C	Total/NA	Solid	8082	153579
LCS 240-153579/24-A	Lab Control Sample	Total/NA	Solid	8082	153579
MB 240-153579/23-A	Method Blank	Total/NA	Solid	8082	153579

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
H	Sample was prepped or analyzed beyond the specified holding time
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89886-4

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-15
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-29-15
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

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

PROJECT NAME / FACILITY ID: SMMUSD
PROJECT NUMBER: 04-33980tt DATE: 10/7/14
PROJECT LOCATION: Santa Monica
IS THIS A UST PROJECT OR IS EDF REQUIRED? Y (N) IF YES, GLOBAL ID #:

MSA#: WO#:
FIELD PERSON: Brian B / Rob B
PROJECT MANAGER: Doug K.
LABORATORY: Test America

SAMPLER: Brian Bauer
SIGNATURE:

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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: PCBs 8082	COMMENTS
1007-EE-BC-LIB-B001-A	10/7	—	—	—	O	1	—	NO	X	• TAT → 48 hours for all samples
1007-EE-BC-LIB-B001-B										
1007-EE-BC-LIB-B001-C										
1007-EE-BC-LIB-B002-A										O = Other
1007-EE-BC-LIB-B002-B										
1007-EE-BC-LIB-B002-C										
1007-EE-BC-LIB-B003-A										
1007-EE-BC-LIB-B003-B										
1007-EE-BC-LIB-B003-C										
1007-EE-BC-LIB-B004-A										
1007-EE-BC-LIB-B004-B										
1007-EE-BC-LIB-B004-C										
1007-EE-BC-LIB-B005-A										
TOTAL	X	X	X							

440-89886 Chain of Custody

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
	0945 / 10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY / 24 HOURS / 48 HOURS / 72 HOURS / 5 DAYS / NORMAL

SAMPLE INTEGRITY: INTACT: Y N Temp 3.6/3.3

IF SEALED, SEAL INTEGRITY: INTACT: Y N

O = OTHER; NO = NONE; U = UNKNOWN; S = H_2SO_4; N = HNO_3; H = HCl;

FILE: LOG FORMS\Chain_of_Custody

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CHAIN-of-CUSTODY № 10741

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

PROJECT NAME / FACILITY ID: SMMUSD
PROJECT NUMBER: 04-33980A
DATE: 10/7/14
PROJECT LOCATION: Santa Monica
IS THIS A UST PROJECT OR IS EDF REQUIRED? Y (N) IF YES, GLOBAL ID #:

MSA#:
WO#:
FIELD PERSON: Brian B / Rob B
PROJECT MANAGER: Doug L
LABORATORY: Test America

SAMPLER: Brian Bauer
SIGNATURE:

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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: PCBS 8082A									COMMENTS
1007-EE-BC-B005-B	10/7	—	—	—	O	1	—	NO	X									• TAT → 48 hours
1007-EE-BC-B005-C																		
1007-EE-BC-B006-A																		O = Other
1007-EE-BC-B006-B																		
1007-EE-BC-B006-C																		
1007-EE-BC-B007-A																		
1007-EE-BC-B007-B																		
1007-EE-BC-B007-C																		
1007-EE-BC-B008-A																		
1007-EE-BC-B008-B																		
1007-EE-BC-B005-C																		
1007-EE-BC-B009-A																		
1007-EE-BC-B009-B	↓	↓	↓	↓	↓	↓	↓	↓	↓									
TOTAL	X	X	X															

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
	0945 10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY / 24 HOURS / 48 HOURS / 72 HOURS / 5 DAYS / NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp

IF SEALED, SEAL INTEGRITY — INTACT: Y N

H = HCL; N = HNO_3; S = H_2SO_4; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

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Phoenix, AZ 85016
(602) 734-7700
(602) 734-7701 (fax)

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: SMMUSD

FIELD PERSON: Brian B / Rob B

PROJECT NUMBER: 04-33980A DATE: 10/7/14

PROJECT MANAGER: Doug L

PROJECT LOCATION: Santa Monica

LABORATORY: Test America

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

SAMPLER: Brian Bauer

SIGNATURE: [signature]

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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 8082A	COMMENTS
1007-EE-BC-B009-C	10/7	—	—	—	O	1	—	NO	X	TAT → 48 hours
1007-EE-BC-B010-A										
1007-EE-BC-B010-B										O=Other
1007-EE-BC-B010-C										
1007-EE-BC-B011-A										
1007-EE-BC-B011-B										
1007-EE-BC-B011-C										
1007-EE-BC-B012-A										
1007-EE-BC-B012-B										
1007-EE-BC-B012-C										
1007-EE-BC-B013-A										
1007-EE-BC-B013-B										
1007-EE-BC-B013-C										
TOTAL	X	X	X							

O = OTHER; NO = NONE; U = UNKNOWN; S = H_2SO_4; N = HNO_3; H = HCL;

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
[signature]	0945 / 10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): [signature]	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY; 24 HOURS; 48 HOURS BB; ~~72 HOURS~~; 5 DAYS; NORMAL

SAMPLE INTEGRITY: INTACT: Y N Temp_____

IF SEALED, SEAL INTEGRITY: INTACT: Y N

FILE: LOG FORMS\Chain_of_Custody

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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: SMMUSD

FIELD PERSON: Brian B/Rob B

PROJECT NUMBER: 04-33980A DATE: 10/7/14

PROJECT MANAGER: Doug L

PROJECT LOCATION: Santa Monica

LABORATORY: Test America

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

SAMPLER: Brian Barr

SIGNATURE:

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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: PCBs 8082A									COMMENTS
1007-EE-BC-B014-A	10/7	—	—	—	O	1	—	No	X									TAT→48 hours
1007-EE-BC-B014-B	↓	↓	↓	↓	↓	↓	↓	↓	↓									
1007-EE-BC-B014-C	↓	↓	↓	↓	↓	↓	↓	↓	↓									O=other
1007-EE-BC-B015-A	↓	↓	↓	↓	↓	↓	↓	↓	↓									
1007-EE-BC-B015-B	↓	↓	↓	↓	↓	↓	↓	↓	↓									
1007-EE-BC-B015-C	↓	↓	↓	↓	↓	↓	↓	↓	↓									
1007-EE-BC-B016-A	↓	↓	↓	↓	↓	↓	↓	↓	↓									
1007-EE-BC-B016-B	↓	↓	↓	↓	↓	↓	↓	↓	↓									
1007-EE-BC-B016-C	↓	↓	↓	↓	↓	↓	↓	↓	↓									
1007-EE-BC-B017-A	↓	↓	↓	↓	↓	↓	↓	↓	↓									
1007-EE-BC-B017-B	↓	↓	↓	↓	↓	↓	↓	↓	↓									
1007-EE-BC-B017-C	↓	↓	↓	↓	↓	↓	↓	↓	↓									
TOTAL	X	X	X															

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
[signature]	0945 / 10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): [signature]	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY; 24 HOURS; 48 HOURS BB; ~~72 HOURS~~; 5 DAYS; NORMAL

SAMPLE INTEGRITY: INTACT: Y N Temp 3.6/3.7

IF SEALED, SEAL INTEGRITY: INTACT: Y N

H = HCL; N = HNO_3; S = H_2SO_4; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

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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: SMMUSD

PROJECT NUMBER: 04-33950A DATE: 10/7/14

PROJECT LOCATION: Santa Monica

FIELD PERSON: Brian B / Rob B.

PROJECT MANAGER: Doug L

LABORATORY: Test America

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y (N) IF YES, GLOBAL ID #: ____

SAMPLER: Brian Bauer

SIGNATURE: [signature]

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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's 8082A	COMMENTS
1007-EE-BC-B018-A	10/7	—	—	—	O	2	—	no	X	TAT → 48 hours
1007-EE-BC-B018-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B018-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	O=Other
1007-EE-BC-B019-A	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B019-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	
1007-EE-BC-B019-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	
TOTAL	X	X	X							

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
[signature]	0945/10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): [signature]	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY; 24 HOURS; 48 HOURS; ~~72 HOURS~~; 5 DAYS; NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp 3.6 / 3.3

IF SEALED, SEAL INTEGRITY — INTACT: Y N

H = HCL; N = HNO_3; S = H_2SO_4; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

Login Sample Receipt Checklist

Client: ENVIRON International Corp.

Job Number: 440-89886-4

Login Number: 89886

List Source: TestAmerica Irvine

List Number: 1

Creator: Gonzales, Steve

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-89892-1
Client Project/Site: Edison, Santa Monica, 04-33980H

For:
ENVIRON International Corp.
20 Custom House St
Suite 800
Boston, Massachusetts 02110

Attn: Doug Lindsay

Authorized for release by:
10/15/2014 3:49:22 PM

Patty Mata, Senior Project Manager
(949)261-1022
patty.mata@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89892-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-89892-1	1007-EE-BC-LIB-S001	Solid	10/07/14 08:24	10/08/14 09:45
440-89892-2	1007-EE-BC-LIB-S002	Solid	10/07/14 08:37	10/08/14 09:45
440-89892-3	1007-EE-BC-LIB-S003	Solid	10/07/14 09:35	10/08/14 09:45
440-89892-4	1007-EE-BC-LIB-S004	Solid	10/07/14 10:01	10/08/14 09:45
440-89892-5	1007-EE-BC-LIB-S005	Solid	10/07/14 10:15	10/08/14 09:45
440-89892-6	1007-EE-BC-LIB-S006	Solid	10/07/14 10:50	10/08/14 09:45
440-89892-7	1007-EE-BC-LIB-S007	Solid	10/07/14 11:09	10/08/14 09:45
440-89892-8	1007-EE-BC-LIB-S008	Solid	10/07/14 12:10	10/08/14 09:45
440-89892-9	1007-EE-BC-LIB-S009	Solid	10/07/14 12:39	10/08/14 09:45
440-89892-10	1007-EE-BC-LIB-S010	Solid	10/07/14 13:01	10/08/14 09:45

Job ID: 440-89892-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-89892-1

Comments
No additional comments.

Receipt
The samples were received on 10/8/2014 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2º C.

GC Semi VOA
Method(s) 8082: The following samples required tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: 1007-EE-BC-LIB-S003 (440-89892-3), 1007-EE-BC-LIB-S009 (440-89892-9), 1007-EE-BC-LIB-S010 (440-89892-10).

Method(s) 8082: Surrogate recovery for the following sample was outside control limits: 1007-EE-BC-LIB-S002 (440-89892-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8082: Sample initial weights varied due to receipt of minimal volume and/or sample matrix issues. Elevated RLs were provided for selected samples.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89892-1

Client Sample ID: 1007-EE-BC-LIB-S001

Lab Sample ID: 440-89892-1
Date Collected: 10/07/14 08:24
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		59	ug/Kg		10/10/14 07:52	10/13/14 20:03	1
Aroclor-1221	ND		59	ug/Kg		10/10/14 07:52	10/13/14 20:03	1
Aroclor-1232	ND		59	ug/Kg		10/10/14 07:52	10/13/14 20:03	1
Aroclor-1242	ND		59	ug/Kg		10/10/14 07:52	10/13/14 20:03	1
Aroclor-1248	ND		59	ug/Kg		10/10/14 07:52	10/13/14 20:03	1
Aroclor-1254	ND		59	ug/Kg		10/10/14 07:52	10/13/14 20:03	1
Aroclor-1260	ND		59	ug/Kg		10/10/14 07:52	10/13/14 20:03	1
Aroclor-1262	ND		59	ug/Kg		10/10/14 07:52	10/13/14 20:03	1
Aroclor-1268	ND		59	ug/Kg		10/10/14 07:52	10/13/14 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*29 - 151*	*10/10/14 07:52*	*10/13/14 20:03*	*1*
DCB Decachlorobiphenyl	*119*		*14 - 163*	*10/10/14 07:52*	*10/13/14 20:03*	*1*

Client Sample ID: 1007-EE-BC-LIB-S002

Lab Sample ID: 440-89892-2
Date Collected: 10/07/14 08:37
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50	ug/Kg		10/10/14 07:57	10/14/14 17:49	1
Aroclor-1221	ND		50	ug/Kg		10/10/14 07:57	10/14/14 17:49	1
Aroclor-1232	ND		50	ug/Kg		10/10/14 07:57	10/14/14 17:49	1
Aroclor-1242	ND		50	ug/Kg		10/10/14 07:57	10/14/14 17:49	1
Aroclor-1248	ND		50	ug/Kg		10/10/14 07:57	10/14/14 17:49	1
Aroclor-1254	ND		50	ug/Kg		10/10/14 07:57	10/14/14 17:49	1
Aroclor-1260	ND		50	ug/Kg		10/10/14 07:57	10/14/14 17:49	1
Aroclor-1262	ND		50	ug/Kg		10/10/14 07:57	10/14/14 17:49	1
Aroclor-1268	ND		50	ug/Kg		10/10/14 07:57	10/14/14 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*29 - 151*	*10/10/14 07:57*	*10/14/14 17:49*	*1*
DCB Decachlorobiphenyl	*89*		*14 - 163*	*10/10/14 07:57*	*10/14/14 17:49*	*1*

Client Sample ID: 1007-EE-BC-LIB-S003

Lab Sample ID: 440-89892-3
Date Collected: 10/07/14 09:35
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		92	ug/Kg		10/10/14 07:57	10/14/14 18:05	1
Aroclor-1221	ND		92	ug/Kg		10/10/14 07:57	10/14/14 18:05	1
Aroclor-1232	ND		92	ug/Kg		10/10/14 07:57	10/14/14 18:05	1
Aroclor-1242	ND		92	ug/Kg		10/10/14 07:57	10/14/14 18:05	1
Aroclor-1248	ND		92	ug/Kg		10/10/14 07:57	10/14/14 18:05	1
Aroclor-1254	ND		92	ug/Kg		10/10/14 07:57	10/14/14 18:05	1
Aroclor-1260	ND		92	ug/Kg		10/10/14 07:57	10/14/14 18:05	1
Aroclor-1262	ND		92	ug/Kg		10/10/14 07:57	10/14/14 18:05	1
Aroclor-1268	ND		92	ug/Kg		10/10/14 07:57	10/14/14 18:05	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89892-1

Client Sample ID: 1007-EE-BC-LIB-S003

Lab Sample ID: 440-89892-3
Date Collected: 10/07/14 09:35
Matrix: Solid
Date Received: 10/08/14 09:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		29 - 151	10/10/14 07:57	10/14/14 18:05	1
DCB Decachlorobiphenyl	71		14 - 163	10/10/14 07:57	10/14/14 18:05	1

Client Sample ID: 1007-EE-BC-LIB-S004

Lab Sample ID: 440-89892-4
Date Collected: 10/07/14 10:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		65	ug/Kg		10/10/14 07:57	10/14/14 18:44	1
Aroclor-1221	ND		65	ug/Kg		10/10/14 07:57	10/14/14 18:44	1
Aroclor-1232	ND		65	ug/Kg		10/10/14 07:57	10/14/14 18:44	1
Aroclor-1242	ND		65	ug/Kg		10/10/14 07:57	10/14/14 18:44	1
Aroclor-1248	ND		65	ug/Kg		10/10/14 07:57	10/14/14 18:44	1
Aroclor-1254	ND		65	ug/Kg		10/10/14 07:57	10/14/14 18:44	1
Aroclor-1260	ND		65	ug/Kg		10/10/14 07:57	10/14/14 18:44	1
Aroclor-1262	ND		65	ug/Kg		10/10/14 07:57	10/14/14 18:44	1
Aroclor-1268	ND		65	ug/Kg		10/10/14 07:57	10/14/14 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		29 - 151	10/10/14 07:57	10/14/14 18:44	1
DCB Decachlorobiphenyl	76		14 - 163	10/10/14 07:57	10/14/14 18:44	1

Client Sample ID: 1007-EE-BC-LIB-S005

Lab Sample ID: 440-89892-5
Date Collected: 10/07/14 10:15
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/10/14 07:57	10/14/14 19:00	1
Aroclor-1221	ND		33	ug/Kg		10/10/14 07:57	10/14/14 19:00	1
Aroclor-1232	ND		33	ug/Kg		10/10/14 07:57	10/14/14 19:00	1
Aroclor-1242	ND		33	ug/Kg		10/10/14 07:57	10/14/14 19:00	1
Aroclor-1248	ND		33	ug/Kg		10/10/14 07:57	10/14/14 19:00	1
Aroclor-1254	ND		33	ug/Kg		10/10/14 07:57	10/14/14 19:00	1
Aroclor-1260	ND		33	ug/Kg		10/10/14 07:57	10/14/14 19:00	1
Aroclor-1262	ND		33	ug/Kg		10/10/14 07:57	10/14/14 19:00	1
Aroclor-1268	ND		33	ug/Kg		10/10/14 07:57	10/14/14 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		29 - 151	10/10/14 07:57	10/14/14 19:00	1
DCB Decachlorobiphenyl	76		14 - 163	10/10/14 07:57	10/14/14 19:00	1

Client Sample ID: 1007-EE-BC-LIB-S006

Lab Sample ID: 440-89892-6
Date Collected: 10/07/14 10:50
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		95	ug/Kg		10/10/14 07:57	10/14/14 19:38	1
Aroclor-1221	ND		95	ug/Kg		10/10/14 07:57	10/14/14 19:38	1

Client Sample ID: 1007-EE-BC-LIB-S006

Lab Sample ID: 440-89892-6

Date Collected: 10/07/14 10:50

Matrix: Solid

Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1232	ND		95	ug/Kg		10/10/14 07:57	10/14/14 19:38	1
Aroclor-1242	ND		95	ug/Kg		10/10/14 07:57	10/14/14 19:38	1
Aroclor-1248	ND		95	ug/Kg		10/10/14 07:57	10/14/14 19:38	1
Aroclor-1254	ND		95	ug/Kg		10/10/14 07:57	10/14/14 19:38	1
Aroclor-1260	ND		95	ug/Kg		10/10/14 07:57	10/14/14 19:38	1
Aroclor-1262	ND		95	ug/Kg		10/10/14 07:57	10/14/14 19:38	1
Aroclor-1268	ND		95	ug/Kg		10/10/14 07:57	10/14/14 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*29 - 151*	*10/10/14 07:57*	*10/14/14 19:38*	*1*
DCB Decachlorobiphenyl	*78*		*14 - 163*	*10/10/14 07:57*	*10/14/14 19:38*	*1*

Client Sample ID: 1007-EE-BC-LIB-S007

Lab Sample ID: 440-89892-7

Date Collected: 10/07/14 11:09

Matrix: Solid

Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		65	ug/Kg		10/10/14 07:57	10/14/14 19:55	1
Aroclor-1221	ND		65	ug/Kg		10/10/14 07:57	10/14/14 19:55	1
Aroclor-1232	ND		65	ug/Kg		10/10/14 07:57	10/14/14 19:55	1
Aroclor-1242	ND		65	ug/Kg		10/10/14 07:57	10/14/14 19:55	1
Aroclor-1248	ND		65	ug/Kg		10/10/14 07:57	10/14/14 19:55	1
Aroclor-1254	ND		65	ug/Kg		10/10/14 07:57	10/14/14 19:55	1
Aroclor-1260	ND		65	ug/Kg		10/10/14 07:57	10/14/14 19:55	1
Aroclor-1262	ND		65	ug/Kg		10/10/14 07:57	10/14/14 19:55	1
Aroclor-1268	ND		65	ug/Kg		10/10/14 07:57	10/14/14 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*29 - 151*	*10/10/14 07:57*	*10/14/14 19:55*	*1*
DCB Decachlorobiphenyl	*72*		*14 - 163*	*10/10/14 07:57*	*10/14/14 19:55*	*1*

Client Sample ID: 1007-EE-BC-LIB-S008

Lab Sample ID: 440-89892-8

Date Collected: 10/07/14 12:10

Matrix: Solid

Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		99	ug/Kg		10/10/14 07:57	10/14/14 20:33	1
Aroclor-1221	ND		99	ug/Kg		10/10/14 07:57	10/14/14 20:33	1
Aroclor-1232	ND		99	ug/Kg		10/10/14 07:57	10/14/14 20:33	1
Aroclor-1242	ND		99	ug/Kg		10/10/14 07:57	10/14/14 20:33	1
Aroclor-1248	ND		99	ug/Kg		10/10/14 07:57	10/14/14 20:33	1
Aroclor-1254	ND		99	ug/Kg		10/10/14 07:57	10/14/14 20:33	1
Aroclor-1260	ND		99	ug/Kg		10/10/14 07:57	10/14/14 20:33	1
Aroclor-1262	ND		99	ug/Kg		10/10/14 07:57	10/14/14 20:33	1
Aroclor-1268	ND		99	ug/Kg		10/10/14 07:57	10/14/14 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*29 - 151*	*10/10/14 07:57*	*10/14/14 20:33*	*1*
DCB Decachlorobiphenyl	*71*		*14 - 163*	*10/10/14 07:57*	*10/14/14 20:33*	*1*

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89892-1

Client Sample ID: 1007-EE-BC-LIB-S009

Lab Sample ID: 440-89892-9

Date Collected: 10/07/14 12:39
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		150		ug/Kg		10/10/14 07:57	10/14/14 20:49	1
Aroclor-1221	ND		150		ug/Kg		10/10/14 07:57	10/14/14 20:49	1
Aroclor-1232	ND		150		ug/Kg		10/10/14 07:57	10/14/14 20:49	1
Aroclor-1242	ND		150		ug/Kg		10/10/14 07:57	10/14/14 20:49	1
Aroclor-1248	ND		150		ug/Kg		10/10/14 07:57	10/14/14 20:49	1
Aroclor-1254	ND		150		ug/Kg		10/10/14 07:57	10/14/14 20:49	1
Aroclor-1260	ND		150		ug/Kg		10/10/14 07:57	10/14/14 20:49	1
Aroclor-1262	ND		150		ug/Kg		10/10/14 07:57	10/14/14 20:49	1
Aroclor-1268	ND		150		ug/Kg		10/10/14 07:57	10/14/14 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*65*		*29 - 151*	*10/10/14 07:57*	*10/14/14 20:49*	*1*
DCB Decachlorobiphenyl	*68*		*14 - 163*	*10/10/14 07:57*	*10/14/14 20:49*	*1*

Client Sample ID: 1007-EE-BC-LIB-S010

Lab Sample ID: 440-89892-10

Date Collected: 10/07/14 13:01
Matrix: Solid
Date Received: 10/08/14 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		91		ug/Kg		10/10/14 07:57	10/14/14 21:06	1
Aroclor-1221	ND		91		ug/Kg		10/10/14 07:57	10/14/14 21:06	1
Aroclor-1232	ND		91		ug/Kg		10/10/14 07:57	10/14/14 21:06	1
Aroclor-1242	ND		91		ug/Kg		10/10/14 07:57	10/14/14 21:06	1
Aroclor-1248	ND		91		ug/Kg		10/10/14 07:57	10/14/14 21:06	1
Aroclor-1254	ND		91		ug/Kg		10/10/14 07:57	10/14/14 21:06	1
Aroclor-1260	ND		91		ug/Kg		10/10/14 07:57	10/14/14 21:06	1
Aroclor-1262	ND		91		ug/Kg		10/10/14 07:57	10/14/14 21:06	1
Aroclor-1268	ND		91		ug/Kg		10/10/14 07:57	10/14/14 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*29 - 151*	*10/10/14 07:57*	*10/14/14 21:06*	*1*
DCB Decachlorobiphenyl	*93*		*14 - 163*	*10/10/14 07:57*	*10/14/14 21:06*	*1*

Method Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89892-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89892-1

Client Sample ID: 1007-EE-BC-LIB-S001 — Lab Sample ID: 440-89892-1

Date Collected: 10/07/14 08:24 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			16.65 g	10 mL	150970	10/10/14 07:52	CS	TAL CAN
Total/NA	Analysis	8082		1	16.65 g	10 mL	151244	10/13/14 20:03	LSH	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-S002 — Lab Sample ID: 440-89892-2

Date Collected: 10/07/14 08:37 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			19.93 g	10 mL	150977	10/10/14 07:57	CS	TAL CAN
Total/NA	Analysis	8082		1	19.93 g	10 mL	151612	10/14/14 17:49	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-S003 — Lab Sample ID: 440-89892-3

Date Collected: 10/07/14 09:35 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			10.71 g	10 mL	150977	10/10/14 07:57	CS	TAL CAN
Total/NA	Analysis	8082		1	10.71 g	10 mL	151612	10/14/14 18:05	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-S004 — Lab Sample ID: 440-89892-4

Date Collected: 10/07/14 10:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			15.23 g	10 mL	150977	10/10/14 07:57	CS	TAL CAN
Total/NA	Analysis	8082		1	15.23 g	10 mL	151612	10/14/14 18:44	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-S005 — Lab Sample ID: 440-89892-5

Date Collected: 10/07/14 10:15 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			29.94 g	10 mL	150977	10/10/14 07:57	CS	TAL CAN
Total/NA	Analysis	8082		1	29.94 g	10 mL	151612	10/14/14 19:00	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-S006 — Lab Sample ID: 440-89892-6

Date Collected: 10/07/14 10:50 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			10.45 g	10 mL	150977	10/10/14 07:57	CS	TAL CAN
Total/NA	Analysis	8082		1	10.45 g	10 mL	151612	10/14/14 19:38	HMB	TAL CAN

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89892-1

Client Sample ID: 1007-EE-BC-LIB-S007 — Lab Sample ID: 440-89892-7

Date Collected: 10/07/14 11:09 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			15.31 g	10 mL	150977	10/10/14 07:57	CS	TAL CAN
Total/NA	Analysis	8082		1	15.31 g	10 mL	151612	10/14/14 19:55	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-S008 — Lab Sample ID: 440-89892-8

Date Collected: 10/07/14 12:10 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			9.98 g	10 mL	150977	10/10/14 07:57	CS	TAL CAN
Total/NA	Analysis	8082		1	9.98 g	10 mL	151612	10/14/14 20:33	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-S009 — Lab Sample ID: 440-89892-9

Date Collected: 10/07/14 12:39 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			6.67 g	10 mL	150977	10/10/14 07:57	CS	TAL CAN
Total/NA	Analysis	8082		1	6.67 g	10 mL	151612	10/14/14 20:49	HMB	TAL CAN

Client Sample ID: 1007-EE-BC-LIB-S010 — Lab Sample ID: 440-89892-10

Date Collected: 10/07/14 13:01 — **Matrix: Solid**
Date Received: 10/08/14 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			10.88 g	10 mL	150977	10/10/14 07:57	CS	TAL CAN
Total/NA	Analysis	8082		1	10.88 g	10 mL	151612	10/14/14 21:06	HMB	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89892-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-150970/23-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 151244 — **Prep Batch: 150970**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1221	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1232	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1242	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1248	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1254	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1260	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1262	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1
Aroclor-1268	ND		33	ug/Kg		10/10/14 07:52	10/13/14 16:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*157*	*X*	*29 - 151*	*10/10/14 07:52*	*10/13/14 16:42*	*1*
DCB Decachlorobiphenyl	*149*		*14 - 163*	*10/10/14 07:52*	*10/13/14 16:42*	*1*

Lab Sample ID: LCS 240-150970/24-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 151244 — **Prep Batch: 150970**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	333	298		ug/Kg		89	62 - 120
Aroclor-1260	333	315		ug/Kg		95	56 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*99*		*29 - 151*
DCB Decachlorobiphenyl	*102*		*14 - 163*

Lab Sample ID: 440-89886-A-55-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 151244 — **Prep Batch: 150970**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		1250	1150		ug/Kg		92	22 - 157
Aroclor-1260	ND		1250	1190		ug/Kg		95	13 - 161

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*100*		*29 - 151*
DCB Decachlorobiphenyl	*99*		*14 - 163*

Lab Sample ID: 440-89886-A-55-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 151244 — **Prep Batch: 150970**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		1250	1100		ug/Kg		88	22 - 157	5	30
Aroclor-1260	ND		1250	956		ug/Kg		77	13 - 161	22	30

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 440-89886-A-55-C MSD
Matrix: Solid
Analysis Batch: 151244

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 150970

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*29 - 151*
DCB Decachlorobiphenyl	*57*		*14 - 163*

Lab Sample ID: MB 240-150977/15-A
Matrix: Solid
Analysis Batch: 151612

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 150977

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/10/14 07:57	10/14/14 21:44	1
Aroclor-1221	ND		33	ug/Kg		10/10/14 07:57	10/14/14 21:44	1
Aroclor-1232	ND		33	ug/Kg		10/10/14 07:57	10/14/14 21:44	1
Aroclor-1242	ND		33	ug/Kg		10/10/14 07:57	10/14/14 21:44	1
Aroclor-1248	ND		33	ug/Kg		10/10/14 07:57	10/14/14 21:44	1
Aroclor-1254	ND		33	ug/Kg		10/10/14 07:57	10/14/14 21:44	1
Aroclor-1260	ND		33	ug/Kg		10/10/14 07:57	10/14/14 21:44	1
Aroclor-1262	ND		33	ug/Kg		10/10/14 07:57	10/14/14 21:44	1
Aroclor-1268	ND		33	ug/Kg		10/10/14 07:57	10/14/14 21:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*29 - 151*	*10/10/14 07:57*	*10/14/14 21:44*	*1*
DCB Decachlorobiphenyl	*70*		*14 - 163*	*10/10/14 07:57*	*10/14/14 21:44*	*1*

Lab Sample ID: LCS 240-150977/16-A
Matrix: Solid
Analysis Batch: 151612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 150977

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			333	306		ug/Kg		92	62 - 120		
Aroclor-1260			333	285		ug/Kg		86	56 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*86*		*29 - 151*
DCB Decachlorobiphenyl	*82*		*14 - 163*

Lab Sample ID: 240-42908-C-3-B MS
Matrix: Solid
Analysis Batch: 151612

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 150977

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	ND		443	ND		ug/Kg		84	22 - 157		
Aroclor-1260	ND		443	ND		ug/Kg		52	13 - 161		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*63*		*29 - 151*
DCB Decachlorobiphenyl	*41*		*14 - 163*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 240-42908-C-3-C MSD
Matrix: Solid
Analysis Batch: 151612

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 150977

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		413	ND	F2	ug/Kg		49	22 - 157	59	30
Aroclor-1260	ND		413	ND		ug/Kg		48	13 - 161	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*47*		*29 - 151*
DCB Decachlorobiphenyl	*18*		*14 - 163*

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89892-1

GC Semi VOA

Prep Batch: 150970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-89886-A-55-B MS	Matrix Spike	Total/NA	Solid	3540C	
440-89886-A-55-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3540C	
440-89892-1	1007-EE-BC-LIB-S001	Total/NA	Solid	3540C	
LCS 240-150970/24-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-150970/23-A	Method Blank	Total/NA	Solid	3540C	

Prep Batch: 150977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42908-C-3-B MS	Matrix Spike	Total/NA	Solid	3540C	
240-42908-C-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3540C	
440-89892-2	1007-EE-BC-LIB-S002	Total/NA	Solid	3540C	
440-89892-3	1007-EE-BC-LIB-S003	Total/NA	Solid	3540C	
440-89892-4	1007-EE-BC-LIB-S004	Total/NA	Solid	3540C	
440-89892-5	1007-EE-BC-LIB-S005	Total/NA	Solid	3540C	
440-89892-6	1007-EE-BC-LIB-S006	Total/NA	Solid	3540C	
440-89892-7	1007-EE-BC-LIB-S007	Total/NA	Solid	3540C	
440-89892-8	1007-EE-BC-LIB-S008	Total/NA	Solid	3540C	
440-89892-9	1007-EE-BC-LIB-S009	Total/NA	Solid	3540C	
440-89892-10	1007-EE-BC-LIB-S010	Total/NA	Solid	3540C	
LCS 240-150977/16-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-150977/15-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 151244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-89886-A-55-B MS	Matrix Spike	Total/NA	Solid	8082	150970
440-89886-A-55-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	150970
440-89892-1	1007-EE-BC-LIB-S001	Total/NA	Solid	8082	150970
LCS 240-150970/24-A	Lab Control Sample	Total/NA	Solid	8082	150970
MB 240-150970/23-A	Method Blank	Total/NA	Solid	8082	150970

Analysis Batch: 151612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42908-C-3-B MS	Matrix Spike	Total/NA	Solid	8082	150977
240-42908-C-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	150977
440-89892-2	1007-EE-BC-LIB-S002	Total/NA	Solid	8082	150977
440-89892-3	1007-EE-BC-LIB-S003	Total/NA	Solid	8082	150977
440-89892-4	1007-EE-BC-LIB-S004	Total/NA	Solid	8082	150977
440-89892-5	1007-EE-BC-LIB-S005	Total/NA	Solid	8082	150977
440-89892-6	1007-EE-BC-LIB-S006	Total/NA	Solid	8082	150977
440-89892-7	1007-EE-BC-LIB-S007	Total/NA	Solid	8082	150977
440-89892-8	1007-EE-BC-LIB-S008	Total/NA	Solid	8082	150977
440-89892-9	1007-EE-BC-LIB-S009	Total/NA	Solid	8082	150977
440-89892-10	1007-EE-BC-LIB-S010	Total/NA	Solid	8082	150977
LCS 240-150977/16-A	Lab Control Sample	Total/NA	Solid	8082	150977
MB 240-150977/15-A	Method Blank	Total/NA	Solid	8082	150977

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-89892-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-15
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-29-15
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

ENVIRON

CHAIN-of-CUSTODY № 10737

PAGE 1 of 1

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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: SMMUSD
FIELD PERSON: Brian B
PROJECT NUMBER: OL-334804 DATE: 10/7/14
PROJECT MANAGER: Doug L.
PROJECT LOCATION: Santa Monica
LABORATORY: Test America
IS THIS A UST PROJECT OR IS EDF REQUIRED? Y (N) IF YES, GLOBAL ID #: _____

SAMPLER: Brian Bauer
SIGNATURE:

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	SAMPLE TIME	SAMPLE DEPTH (ft)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (D) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED: PCBs 8082A	COMMENTS
1007-EE-BC-LIB-S001	10/7	0824	–	–	O	1	NA	–	X	O=other
1007-EE-BC-LIB-S002		0837								•TAT→48 hours
1007-EE-BC-LIB-S003		0835								
1007-EE-BC-LIB-S004		1001								
1007-EE-BC-LIB-S005		1015								
1007-EE-BC-LIB-S006		1050								
1007-EE-BC-LIB-S007		1109								
1007-EE-BC-LIB-S008		1210								
1007-EE-BC-LIB-S009		1239								
1007-EE-BC-LIB-S010		1301								
TOTAL	X	X	X							

440-89892 Chain of Custody

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
[signature]	0945/10/8/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): [signature]	TIME/DATE: 10/8/14 0945

TURNAROUND TIME (CIRCLE ONE): SAME DAY; 24 HOURS; 48 HOURS BD; 72 HOURS; 5 DAYS; NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp 4.5/4.2

IF SEALED, SEAL INTEGRITY — INTACT: Y N

H = HCL; N = HNO3; S = H2SO; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

Login Sample Receipt Checklist

Client: ENVIRON International Corp.

Job Number: 440-89892-1

Login Number: 89892

List Source: TestAmerica Irvine

List Number: 1

Creator: Gonzales, Steve

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-90418-1
Client Project/Site: Edison, Santa Monica, 04-33980H

For:
ENVIRON International Corp.
20 Custom House St
Suite 800
Boston, Massachusetts 02110

Attn: Doug Lindsay

Authorized for release by:
10/21/2014 2:13:45 PM

Patty Mata, Senior Project Manager
(949)261-1022
patty.mata@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90418-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-90418-1	1014-EE-BC-LIB-S011	Solid	10/14/14 08:25	10/14/14 13:27
440-90418-2	1014-EE-BC-LIB-S012	Solid	10/14/14 08:35	10/14/14 13:27
440-90418-3	1014-EE-BC-LIB-S013	Solid	10/14/14 08:42	10/14/14 13:27
440-90418-4	1014-EE-BC-LIB-S014	Solid	10/14/14 08:50	10/14/14 13:27
440-90418-5	1014-EE-BC-LIB-S015	Solid	10/14/14 08:53	10/14/14 13:27
440-90418-6	1014-EE-BC-LIB-S016	Solid	10/14/14 09:08	10/14/14 13:27
440-90418-7	1014-EE-BC-LIB-S017	Solid	10/14/14 09:15	10/14/14 13:27
440-90418-8	1014-EE-BC-LIB-S018	Solid	10/14/14 09:35	10/14/14 13:27
440-90418-9	1014-EE-BC-LIB-S019	Solid	10/14/14 09:40	10/14/14 13:27
440-90418-10	1014-EE-BC-LIB-S020	Solid	10/14/14 09:54	10/14/14 13:27
440-90418-11	1014-EE-BC-LIB-S021	Solid	10/14/14 10:05	10/14/14 13:27

Job ID: 440-90418-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-90418-1

Comments
No additional comments.

Receipt
The samples were received on 10/14/2014 1:27 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

GC Semi VOA
Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (440-90418-6 MS), (440-90418-6 MSD), 1014-EE-BC-LIB-S016 (440-90418-6), 1014-EE-BC-LIB-S021 (440-90418-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90418-1

Client Sample ID: 1014-EE-BC-LIB-S011

Lab Sample ID: 440-90418-1
Date Collected: 10/14/14 08:25
Matrix: Solid
Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:27	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:27	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:27	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:27	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:27	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:27	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:27	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:27	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*29 - 151*	*10/16/14 09:00*	*10/20/14 17:27*	*1*
DCB Decachlorobiphenyl	*86*		*14 - 163*	*10/16/14 09:00*	*10/20/14 17:27*	*1*

Client Sample ID: 1014-EE-BC-LIB-S012

Lab Sample ID: 440-90418-2
Date Collected: 10/14/14 08:35
Matrix: Solid
Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:11	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:11	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:11	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:11	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:11	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:11	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:11	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:11	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*99*		*29 - 151*	*10/16/14 09:00*	*10/20/14 17:11*	*1*
DCB Decachlorobiphenyl	*102*		*14 - 163*	*10/16/14 09:00*	*10/20/14 17:11*	*1*

Client Sample ID: 1014-EE-BC-LIB-S013

Lab Sample ID: 440-90418-3
Date Collected: 10/14/14 08:42
Matrix: Solid
Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:54	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:54	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:54	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:54	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:54	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:54	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:54	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:54	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:54	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90418-1

Client Sample ID: 1014-EE-BC-LIB-S013

Lab Sample ID: 440-90418-3
Matrix: Solid
Date Collected: 10/14/14 08:42
Date Received: 10/14/14 13:27

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		29 - 151	10/16/14 09:00	10/20/14 16:54	1
DCB Decachlorobiphenyl	100		14 - 163	10/16/14 09:00	10/20/14 16:54	1

Client Sample ID: 1014-EE-BC-LIB-S014

Lab Sample ID: 440-90418-4
Matrix: Solid
Date Collected: 10/14/14 08:50
Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:37	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:37	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:37	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:37	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:37	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:37	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:37	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:37	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		29 - 151	10/16/14 09:00	10/20/14 16:37	1
DCB Decachlorobiphenyl	112		14 - 163	10/16/14 09:00	10/20/14 16:37	1

Client Sample ID: 1014-EE-BC-LIB-S015

Lab Sample ID: 440-90418-5
Matrix: Solid
Date Collected: 10/14/14 08:53
Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:21	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:21	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:21	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:21	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:21	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:21	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:21	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:21	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		29 - 151	10/16/14 09:00	10/20/14 16:21	1
DCB Decachlorobiphenyl	125		14 - 163	10/16/14 09:00	10/20/14 16:21	1

Client Sample ID: 1014-EE-BC-LIB-S016

Lab Sample ID: 440-90418-6
Matrix: Solid
Date Collected: 10/14/14 09:08
Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:04	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:04	1

Client Sample ID: 1014-EE-BC-LIB-S016

Lab Sample ID: 440-90418-6

Date Collected: 10/14/14 09:08

Matrix: Solid

Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:04	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:04	1
Aroclor-1248	**90**		33	ug/Kg		10/16/14 09:00	10/20/14 16:04	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:04	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:04	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:04	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*29 - 151*	*10/16/14 09:00*	*10/20/14 16:04*	*1*
DCB Decachlorobiphenyl	*157*		*14 - 163*	*10/16/14 09:00*	*10/20/14 16:04*	*1*

Client Sample ID: 1014-EE-BC-LIB-S017

Lab Sample ID: 440-90418-7

Date Collected: 10/14/14 09:15

Matrix: Solid

Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:41	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:41	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:41	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:41	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:41	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:41	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:41	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:41	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*29 - 151*	*10/16/14 09:00*	*10/20/14 19:41*	*1*
DCB Decachlorobiphenyl	*88*		*14 - 163*	*10/16/14 09:00*	*10/20/14 19:41*	*1*

Client Sample ID: 1014-EE-BC-LIB-S018

Lab Sample ID: 440-90418-8

Date Collected: 10/14/14 09:35

Matrix: Solid

Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:24	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:24	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:24	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:24	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:24	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:24	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:24	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:24	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*29 - 151*	*10/16/14 09:00*	*10/20/14 19:24*	*1*
DCB Decachlorobiphenyl	*96*		*14 - 163*	*10/16/14 09:00*	*10/20/14 19:24*	*1*

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90418-1

Client Sample ID: 1014-EE-BC-LIB-S019

Lab Sample ID: 440-90418-9
Date Collected: 10/14/14 09:40
Matrix: Solid
Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:07	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:07	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:07	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:07	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:07	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:07	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:07	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:07	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*117*		*29 - 151*	*10/16/14 09:00*	*10/20/14 19:07*	*1*
DCB Decachlorobiphenyl	*98*		*14 - 163*	*10/16/14 09:00*	*10/20/14 19:07*	*1*

Client Sample ID: 1014-EE-BC-LIB-S020

Lab Sample ID: 440-90418-10
Date Collected: 10/14/14 09:54
Matrix: Solid
Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:51	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:51	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:51	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:51	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:51	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:51	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:51	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:51	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*29 - 151*	*10/16/14 09:00*	*10/20/14 18:51*	*1*
DCB Decachlorobiphenyl	*106*		*14 - 163*	*10/16/14 09:00*	*10/20/14 18:51*	*1*

Client Sample ID: 1014-EE-BC-LIB-S021

Lab Sample ID: 440-90418-11
Date Collected: 10/14/14 10:05
Matrix: Solid
Date Received: 10/14/14 13:27

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:34	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:34	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:34	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:34	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:34	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:34	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:34	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:34	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 18:34	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90418-1

Client Sample ID: 1014-EE-BC-LIB-S021
Date Collected: 10/14/14 10:05
Date Received: 10/14/14 13:27

Lab Sample ID: 440-90418-11
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		29 - 151	10/16/14 09:00	10/20/14 18:34	1
DCB Decachlorobiphenyl	43		14 - 163	10/16/14 09:00	10/20/14 18:34	1

Method Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90418-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90418-1

Client Sample ID: 1014-EE-BC-LIB-S011 — Lab Sample ID: 440-90418-1

Date Collected: 10/14/14 08:25 — **Matrix: Solid**
Date Received: 10/14/14 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			29.79 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	29.79 g	10.0 mL	152371	10/20/14 17:27	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-S012 — Lab Sample ID: 440-90418-2

Date Collected: 10/14/14 08:35 — **Matrix: Solid**
Date Received: 10/14/14 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			30.26 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	30.26 g	10.0 mL	152371	10/20/14 17:11	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-S013 — Lab Sample ID: 440-90418-3

Date Collected: 10/14/14 08:42 — **Matrix: Solid**
Date Received: 10/14/14 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			29.98 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	29.98 g	10.0 mL	152371	10/20/14 16:54	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-S014 — Lab Sample ID: 440-90418-4

Date Collected: 10/14/14 08:50 — **Matrix: Solid**
Date Received: 10/14/14 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			29.73 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	29.73 g	10.0 mL	152371	10/20/14 16:37	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-S015 — Lab Sample ID: 440-90418-5

Date Collected: 10/14/14 08:53 — **Matrix: Solid**
Date Received: 10/14/14 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			29.75 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	29.75 g	10.0 mL	152371	10/20/14 16:21	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-S016 — Lab Sample ID: 440-90418-6

Date Collected: 10/14/14 09:08 — **Matrix: Solid**
Date Received: 10/14/14 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			30.13 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	30.13 g	10.0 mL	152371	10/20/14 16:04	LSH	TAL CAN

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90418-1

Client Sample ID: 1014-EE-BC-LIB-S017 — Lab Sample ID: 440-90418-7

Date Collected: 10/14/14 09:15 — **Matrix: Solid**
Date Received: 10/14/14 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			30.13 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	30.13 g	10.0 mL	152371	10/20/14 19:41	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-S018 — Lab Sample ID: 440-90418-8

Date Collected: 10/14/14 09:35 — **Matrix: Solid**
Date Received: 10/14/14 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			30.28 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	30.28 g	10.0 mL	152371	10/20/14 19:24	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-S019 — Lab Sample ID: 440-90418-9

Date Collected: 10/14/14 09:40 — **Matrix: Solid**
Date Received: 10/14/14 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			29.67 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	29.67 g	10.0 mL	152371	10/20/14 19:07	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-S020 — Lab Sample ID: 440-90418-10

Date Collected: 10/14/14 09:54 — **Matrix: Solid**
Date Received: 10/14/14 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			29.75 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	29.75 g	10.0 mL	152371	10/20/14 18:51	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-S021 — Lab Sample ID: 440-90418-11

Date Collected: 10/14/14 10:05 — **Matrix: Solid**
Date Received: 10/14/14 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			29.83 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	29.83 g	10.0 mL	152371	10/20/14 18:34	LSH	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90418-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-151914/23-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152371 — **Prep Batch: 151914**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*29 - 151*	*10/16/14 09:00*	*10/20/14 17:44*	*1*
DCB Decachlorobiphenyl	*97*		*14 - 163*	*10/16/14 09:00*	*10/20/14 17:44*	*1*

Lab Sample ID: LCS 240-151914/24-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152371 — **Prep Batch: 151914**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	333	320		ug/Kg		96	62 - 120
Aroclor-1260	333	366		ug/Kg		110	56 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*103*		*29 - 151*
DCB Decachlorobiphenyl	*103*	*p*	*14 - 163*

Lab Sample ID: 440-90418-6 MS — **Client Sample ID: 1014-EE-BC-LIB-S016**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152371 — **Prep Batch: 151914**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		336	376		ug/Kg		112	22 - 157
Aroclor-1260	ND		336	368		ug/Kg		109	13 - 161

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*121*		*29 - 151*
DCB Decachlorobiphenyl	*101*		*14 - 163*

Lab Sample ID: 440-90418-6 MSD — **Client Sample ID: 1014-EE-BC-LIB-S016**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152371 — **Prep Batch: 151914**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		336	417		ug/Kg		124	22 - 157	10	30
Aroclor-1260	ND		336	395		ug/Kg		118	13 - 161	7	30

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 440-90418-6 MSD
Matrix: Solid
Analysis Batch: 152371

Client Sample ID: 1014-EE-BC-LIB-S016
Prep Type: Total/NA
Prep Batch: 151914

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*130*		*29 - 151*
DCB Decachlorobiphenyl	*106*		*14 - 163*

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90418-1

GC Semi VOA

Prep Batch: 151914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-90418-1	1014-EE-BC-LIB-S011	Total/NA	Solid	3540C	
440-90418-2	1014-EE-BC-LIB-S012	Total/NA	Solid	3540C	
440-90418-3	1014-EE-BC-LIB-S013	Total/NA	Solid	3540C	
440-90418-4	1014-EE-BC-LIB-S014	Total/NA	Solid	3540C	
440-90418-5	1014-EE-BC-LIB-S015	Total/NA	Solid	3540C	
440-90418-6	1014-EE-BC-LIB-S016	Total/NA	Solid	3540C	
440-90418-6 MS	1014-EE-BC-LIB-S016	Total/NA	Solid	3540C	
440-90418-6 MSD	1014-EE-BC-LIB-S016	Total/NA	Solid	3540C	
440-90418-7	1014-EE-BC-LIB-S017	Total/NA	Solid	3540C	
440-90418-8	1014-EE-BC-LIB-S018	Total/NA	Solid	3540C	
440-90418-9	1014-EE-BC-LIB-S019	Total/NA	Solid	3540C	
440-90418-10	1014-EE-BC-LIB-S020	Total/NA	Solid	3540C	
440-90418-11	1014-EE-BC-LIB-S021	Total/NA	Solid	3540C	
LCS 240-151914/24-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-151914/23-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 152371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-90418-1	1014-EE-BC-LIB-S011	Total/NA	Solid	8082	151914
440-90418-2	1014-EE-BC-LIB-S012	Total/NA	Solid	8082	151914
440-90418-3	1014-EE-BC-LIB-S013	Total/NA	Solid	8082	151914
440-90418-4	1014-EE-BC-LIB-S014	Total/NA	Solid	8082	151914
440-90418-5	1014-EE-BC-LIB-S015	Total/NA	Solid	8082	151914
440-90418-6	1014-EE-BC-LIB-S016	Total/NA	Solid	8082	151914
440-90418-6 MS	1014-EE-BC-LIB-S016	Total/NA	Solid	8082	151914
440-90418-6 MSD	1014-EE-BC-LIB-S016	Total/NA	Solid	8082	151914
440-90418-7	1014-EE-BC-LIB-S017	Total/NA	Solid	8082	151914
440-90418-8	1014-EE-BC-LIB-S018	Total/NA	Solid	8082	151914
440-90418-9	1014-EE-BC-LIB-S019	Total/NA	Solid	8082	151914
440-90418-10	1014-EE-BC-LIB-S020	Total/NA	Solid	8082	151914
440-90418-11	1014-EE-BC-LIB-S021	Total/NA	Solid	8082	151914
LCS 240-151914/24-A	Lab Control Sample	Total/NA	Solid	8082	151914
MB 240-151914/23-A	Method Blank	Total/NA	Solid	8082	151914

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90418-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-15
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-29-15
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

ENVIRON

CHAIN-of-CUSTODY № 10815

PAGE 1 of 1

☐ 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: SMMUSD

FIELD PERSON: Brian B.

PROJECT NUMBER: 04-33980H DATE: 10/14/14

PROJECT MANAGER: Doug L.

PROJECT LOCATION: Santa Monica.

LABORATORY: Test America

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

SAMPLER: Brian Bauer

SIGNATURE: [signature]

YEAR 2014

SAMPLE I.D. NUMBER	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: PCBs 8082A	COMMENTS
1014-EE-BC-LIB-S011	10/14	0825	–	–	S	1	–	–	X	• Run samples for PCBs by 8082A with soxhlet extraction by the 3540 method.
1014-EE-BC-LIB-S012	↓	0835	↓	↓	↓	↓	↓	↓	↓	
1014-EE-BC-LIB-S013	↓	0842	↓	↓	↓	↓	↓	↓	↓	
1014-EE-BC-LIB-S014	↓	0850	↓	↓	↓	↓	↓	↓	↓	
1014-EE-BC-LIB-S015	↓	0853	↓	↓	↓	↓	↓	↓	↓	
1014-EE-BC-LIB-S016	↓	0908	↓	↓	↓	↓	↓	↓	↓	
1014-EE-BC-LIB-S017	↓	0915	↓	↓	↓	↓	↓	↓	↓	
1014-EE-BC-LIB-S018	↓	0935	↓	↓	↓	↓	↓	↓	↓	
1014-EE-BC-LIB-S019	↓	0940	↓	↓	↓	↓	↓	↓	↓	
1014-EE-BC-LIB-S020	↓	0954	↓	↓	↓	↓	↓	↓	↓	
1014-EE-BC-LIB-S021	↓	1005	↓	↓	↓	↓	↓	↓	↓	
TOTAL	X	X	X							

440-90418 Chain of Custody

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:
[signature]	1327/10/14/14	(COMPANY):	
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:
		(COMPANY):	
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: [signature]	TIME/DATE: 10/14/14 1327
		(COMPANY):	

TURNAROUND TIME (CIRCLE ONE): SAME DAY, 24 HOURS, 48 HOURS, 72 HOURS, 5 DAYS, NORMAL

SAMPLE INTEGRITY — INTACT: Y N Temp 4.4/4.1 IR-CA

IF SEALED, SEAL INTEGRITY — INTACT: Y N

H = HCL; N = HNO_3; S = H_2SO_4; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

Login Sample Receipt Checklist

Client: ENVIRON International Corp.

Job Number: 440-90418-1

Login Number: 90418

List Source: TestAmerica Irvine

List Number: 1

Creator: Gonzales, Steve

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-90443-1
Client Project/Site: Edison, Santa Monica, 04-33980K

For:
ENVIRON International Corp.
20 Custom House St
Suite 800
Boston, Massachusetts 02110

Attn: Doug Lindsay

Authorized for release by:
10/21/2014 2:11:47 PM

Patty Mata, Senior Project Manager
(949)261-1022
patty.mata@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980K

TestAmerica Job ID: 440-90443-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-90443-1	1014-EE-BC-LIB-B020-A	Solid	10/14/14 08:09	10/14/14 14:50
440-90443-4	1014-EE-BC-LIB-B021-A	Solid	10/14/14 08:40	10/14/14 14:50
440-90443-7	1014-EE-BC-LIB-B022-A	Solid	10/14/14 09:20	10/14/14 14:50
440-90443-10	1014-EE-BC-LIB-B023-B	Solid	10/14/14 10:15	10/14/14 14:50
440-90443-12	1014-EE-BC-LIB-B024-A	Solid	10/14/14 11:22	10/14/14 14:50

Job ID: 440-90443-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-90443-1

Comments
Samples with -B or -C suffix in the sample ID were placed on Hold by client prior to extraction or analysis. Only the samples with -A suffix in sample ID were requested for analysis. The exception was sample 1014-EE-BC-LIB-B023-B (440-90443-10) which did not have sample ID with -A suffix, so the -B sample was analyzed (as confirmed by client).

Receipt
The samples were received on 10/14/2014 2:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0º C.

GC Semi VOA
Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (440-90418-6 MS), (440-90418-6 MSD), 1014-EE-BC-LIB-B024-A (440-90443-12).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980K

TestAmerica Job ID: 440-90443-1

Client Sample ID: 1014-EE-BC-LIB-B020-A

Lab Sample ID: 440-90443-1

Date Collected: 10/14/14 08:09
Matrix: Solid
Date Received: 10/14/14 14:50

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		220		ug/Kg		10/16/14 09:00	10/20/14 18:17	5
Aroclor-1221	ND		220		ug/Kg		10/16/14 09:00	10/20/14 18:17	5
Aroclor-1232	ND		220		ug/Kg		10/16/14 09:00	10/20/14 18:17	5
Aroclor-1242	ND		220		ug/Kg		10/16/14 09:00	10/20/14 18:17	5
Aroclor-1248	ND		220		ug/Kg		10/16/14 09:00	10/20/14 18:17	5
Aroclor-1254	**530**		220		ug/Kg		10/16/14 09:00	10/20/14 18:17	5
Aroclor-1260	ND		220		ug/Kg		10/16/14 09:00	10/20/14 18:17	5
Aroclor-1262	ND		220		ug/Kg		10/16/14 09:00	10/20/14 18:17	5
Aroclor-1268	ND		220		ug/Kg		10/16/14 09:00	10/20/14 18:17	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*29 - 151*	*10/16/14 09:00*	*10/20/14 18:17*	*5*
DCB Decachlorobiphenyl	*88*		*14 - 163*	*10/16/14 09:00*	*10/20/14 18:17*	*5*

Client Sample ID: 1014-EE-BC-LIB-B021-A

Lab Sample ID: 440-90443-4

Date Collected: 10/14/14 08:40
Matrix: Solid
Date Received: 10/14/14 14:50

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		10/16/14 09:00	10/20/14 20:47	1
Aroclor-1221	ND		50		ug/Kg		10/16/14 09:00	10/20/14 20:47	1
Aroclor-1232	ND		50		ug/Kg		10/16/14 09:00	10/20/14 20:47	1
Aroclor-1242	ND		50		ug/Kg		10/16/14 09:00	10/20/14 20:47	1
Aroclor-1248	ND		50		ug/Kg		10/16/14 09:00	10/20/14 20:47	1
Aroclor-1254	**240**		50		ug/Kg		10/16/14 09:00	10/20/14 20:47	1
Aroclor-1260	ND		50		ug/Kg		10/16/14 09:00	10/20/14 20:47	1
Aroclor-1262	ND		50		ug/Kg		10/16/14 09:00	10/20/14 20:47	1
Aroclor-1268	ND		50		ug/Kg		10/16/14 09:00	10/20/14 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*29 - 151*	*10/16/14 09:00*	*10/20/14 20:47*	*1*
DCB Decachlorobiphenyl	*90*		*14 - 163*	*10/16/14 09:00*	*10/20/14 20:47*	*1*

Client Sample ID: 1014-EE-BC-LIB-B022-A

Lab Sample ID: 440-90443-7

Date Collected: 10/14/14 09:20
Matrix: Solid
Date Received: 10/14/14 14:50

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		45		ug/Kg		10/16/14 09:00	10/20/14 20:31	1
Aroclor-1221	ND		45		ug/Kg		10/16/14 09:00	10/20/14 20:31	1
Aroclor-1232	ND		45		ug/Kg		10/16/14 09:00	10/20/14 20:31	1
Aroclor-1242	ND		45		ug/Kg		10/16/14 09:00	10/20/14 20:31	1
Aroclor-1248	ND		45		ug/Kg		10/16/14 09:00	10/20/14 20:31	1
Aroclor-1254	**190**		45		ug/Kg		10/16/14 09:00	10/20/14 20:31	1
Aroclor-1260	ND		45		ug/Kg		10/16/14 09:00	10/20/14 20:31	1
Aroclor-1262	ND		45		ug/Kg		10/16/14 09:00	10/20/14 20:31	1
Aroclor-1268	ND		45		ug/Kg		10/16/14 09:00	10/20/14 20:31	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980K

TestAmerica Job ID: 440-90443-1

Client Sample ID: 1014-EE-BC-LIB-B022-A

Lab Sample ID: 440-90443-7
Matrix: Solid
Date Collected: 10/14/14 09:20
Date Received: 10/14/14 14:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*112*		*29 - 151*	*10/16/14 09:00*	*10/20/14 20:31*	*1*
DCB Decachlorobiphenyl	*94*		*14 - 163*	*10/16/14 09:00*	*10/20/14 20:31*	*1*

Client Sample ID: 1014-EE-BC-LIB-B023-B

Lab Sample ID: 440-90443-10
Matrix: Solid
Date Collected: 10/14/14 10:15
Date Received: 10/14/14 14:50

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		41	ug/Kg		10/16/14 09:00	10/20/14 20:14	1
Aroclor-1221	ND		41	ug/Kg		10/16/14 09:00	10/20/14 20:14	1
Aroclor-1232	ND		41	ug/Kg		10/16/14 09:00	10/20/14 20:14	1
Aroclor-1242	ND		41	ug/Kg		10/16/14 09:00	10/20/14 20:14	1
Aroclor-1248	ND		41	ug/Kg		10/16/14 09:00	10/20/14 20:14	1
Aroclor-1254	ND		41	ug/Kg		10/16/14 09:00	10/20/14 20:14	1
Aroclor-1260	ND		41	ug/Kg		10/16/14 09:00	10/20/14 20:14	1
Aroclor-1262	ND		41	ug/Kg		10/16/14 09:00	10/20/14 20:14	1
Aroclor-1268	ND		41	ug/Kg		10/16/14 09:00	10/20/14 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*115*		*29 - 151*	*10/16/14 09:00*	*10/20/14 20:14*	*1*
DCB Decachlorobiphenyl	*102*		*14 - 163*	*10/16/14 09:00*	*10/20/14 20:14*	*1*

Client Sample ID: 1014-EE-BC-LIB-B024-A

Lab Sample ID: 440-90443-12
Matrix: Solid
Date Collected: 10/14/14 11:22
Date Received: 10/14/14 14:50

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		190	ug/Kg		10/16/14 09:00	10/20/14 19:58	1
Aroclor-1221	ND		190	ug/Kg		10/16/14 09:00	10/20/14 19:58	1
Aroclor-1232	ND		190	ug/Kg		10/16/14 09:00	10/20/14 19:58	1
Aroclor-1242	ND		190	ug/Kg		10/16/14 09:00	10/20/14 19:58	1
Aroclor-1248	ND		190	ug/Kg		10/16/14 09:00	10/20/14 19:58	1
Aroclor-1254	ND		190	ug/Kg		10/16/14 09:00	10/20/14 19:58	1
Aroclor-1260	ND		190	ug/Kg		10/16/14 09:00	10/20/14 19:58	1
Aroclor-1262	ND		190	ug/Kg		10/16/14 09:00	10/20/14 19:58	1
Aroclor-1268	ND		190	ug/Kg		10/16/14 09:00	10/20/14 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*99*		*29 - 151*	*10/16/14 09:00*	*10/20/14 19:58*	*1*
DCB Decachlorobiphenyl	*116*		*14 - 163*	*10/16/14 09:00*	*10/20/14 19:58*	*1*

Method Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980K

TestAmerica Job ID: 440-90443-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980K

TestAmerica Job ID: 440-90443-1

Client Sample ID: 1014-EE-BC-LIB-B020-A — Lab Sample ID: 440-90443-1

Date Collected: 10/14/14 08:09 — **Matrix: Solid**
Date Received: 10/14/14 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			22.41 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		5	22.41 g	10.0 mL	152371	10/20/14 18:17	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-B021-A — Lab Sample ID: 440-90443-4

Date Collected: 10/14/14 08:40 — **Matrix: Solid**
Date Received: 10/14/14 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			19.80 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	19.80 g	10.0 mL	152371	10/20/14 20:47	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-B022-A — Lab Sample ID: 440-90443-7

Date Collected: 10/14/14 09:20 — **Matrix: Solid**
Date Received: 10/14/14 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			22.21 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	22.21 g	10.0 mL	152371	10/20/14 20:31	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-B023-B — Lab Sample ID: 440-90443-10

Date Collected: 10/14/14 10:15 — **Matrix: Solid**
Date Received: 10/14/14 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			24.15 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	24.15 g	10.0 mL	152371	10/20/14 20:14	LSH	TAL CAN

Client Sample ID: 1014-EE-BC-LIB-B024-A — Lab Sample ID: 440-90443-12

Date Collected: 10/14/14 11:22 — **Matrix: Solid**
Date Received: 10/14/14 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			5.29 g	10.0 mL	151914	10/16/14 09:00	KEC	TAL CAN
Total/NA	Analysis	8082		1	5.29 g	10.0 mL	152371	10/20/14 19:58	LSH	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980K

TestAmerica Job ID: 440-90443-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-151914/23-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152371 — **Prep Batch: 151914**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1221	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1232	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1242	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1248	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1254	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1260	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1262	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1
Aroclor-1268	ND		33	ug/Kg		10/16/14 09:00	10/20/14 17:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*29 - 151*	*10/16/14 09:00*	*10/20/14 17:44*	*1*
DCB Decachlorobiphenyl	*97*		*14 - 163*	*10/16/14 09:00*	*10/20/14 17:44*	*1*

Lab Sample ID: LCS 240-151914/24-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152371 — **Prep Batch: 151914**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	333	320		ug/Kg		96	62 - 120
Aroclor-1260	333	366		ug/Kg		110	56 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*103*		*29 - 151*
DCB Decachlorobiphenyl	*103*	*p*	*14 - 163*

Lab Sample ID: 440-90418-A-6-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152371 — **Prep Batch: 151914**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		336	376		ug/Kg		112	22 - 157
Aroclor-1260	ND		336	368		ug/Kg		109	13 - 161

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*121*		*29 - 151*
DCB Decachlorobiphenyl	*101*		*14 - 163*

Lab Sample ID: 440-90418-A-6-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152371 — **Prep Batch: 151914**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		336	417		ug/Kg		124	22 - 157	10	30
Aroclor-1260	ND		336	395		ug/Kg		118	13 - 161	7	30

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 440-90418-A-6-C MSD
Matrix: Solid
Analysis Batch: 152371

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 151914

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*130*		*29 - 151*
DCB Decachlorobiphenyl	*106*		*14 - 163*

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980K

TestAmerica Job ID: 440-90443-1

GC Semi VOA

Prep Batch: 151914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-90418-A-6-B MS	Matrix Spike	Total/NA	Solid	3540C	
440-90418-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3540C	
440-90443-1	1014-EE-BC-LIB-B020-A	Total/NA	Solid	3540C	
440-90443-4	1014-EE-BC-LIB-B021-A	Total/NA	Solid	3540C	
440-90443-7	1014-EE-BC-LIB-B022-A	Total/NA	Solid	3540C	
440-90443-10	1014-EE-BC-LIB-B023-B	Total/NA	Solid	3540C	
440-90443-12	1014-EE-BC-LIB-B024-A	Total/NA	Solid	3540C	
LCS 240-151914/24-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-151914/23-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 152371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-90418-A-6-B MS	Matrix Spike	Total/NA	Solid	8082	151914
440-90418-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	151914
440-90443-1	1014-EE-BC-LIB-B020-A	Total/NA	Solid	8082	151914
440-90443-4	1014-EE-BC-LIB-B021-A	Total/NA	Solid	8082	151914
440-90443-7	1014-EE-BC-LIB-B022-A	Total/NA	Solid	8082	151914
440-90443-10	1014-EE-BC-LIB-B023-B	Total/NA	Solid	8082	151914
440-90443-12	1014-EE-BC-LIB-B024-A	Total/NA	Solid	8082	151914
LCS 240-151914/24-A	Lab Control Sample	Total/NA	Solid	8082	151914
MB 240-151914/23-A	Method Blank	Total/NA	Solid	8082	151914

Definitions/Glossary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980K

TestAmerica Job ID: 440-90443-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980K

TestAmerica Job ID: 440-90443-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-15
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-29-15
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

ENVIRON

CHAIN-of-CUSTODY № 10818

☒ 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: SMMDSD

FIELD PERSON: Rod

PROJECT NUMBER: 0433980K DATE: 10/14/2014

PROJECT MANAGER: Doug Lindsay

PROJECT LOCATION: Edison SM

LABORATORY: ~~ALS~~ Test America

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

E/M dLindsay@Environcorp.com

SAMPLER: Rod Bronstein

SIGNATURE:

440-90443 Chain of Custody

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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: 8082 PCBs + Lox/Ext Extra	COMMENTS
1014-EE-BC-LIB-B020 A	10/14	809	NA	NA	Sluge	1	NA	Ice	X	-B & -C samples
" B		838								are on Hold. AN 10/14/14
" C		725								
1014-EE-BC-LIB-B021 A		840								
" B		834								
" C		820								
1014-EE-BC-LIB-B022 A		920								
" B		912								
" C		903								
1014-EE-BC-LIB-B023 B	10/14	1015				2				2 containers used TO ACHIEVE 30gm
" C		1001				1				
~~ERROR~~ " ~~C~~						~~1~~				
TOTAL	X	X	X							

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
	10/14/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): Orange Geo Tech	TIME/DATE: 10-14-14 14:50

TURNAROUND TIME (CIRCLE ONE): SAME DAY, ~~24 HOURS~~, 48 HOURS, 72 HOURS, 5 DAYS, NORMAL

SAMPLE INTEGRITY: INTACT: (Y) N Temp 4.3/4.0

IF SEALED, SEAL INTEGRITY: INTACT: Y N n/a

O = OTHER; ND = NONE; U = UNKNOWN; S = H_2SO_4; N = HNO_3; H = HCL;

FILE: LOG FORMS \ Chain_of_Custody

IR 64

ENVIRON

CHAIN-of-CUSTODY № 10819

PAGE 2 of 2

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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)

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: SMM USD

FIELD PERSON: Rod

PROJECT NUMBER: 04339 80 K DATE: 10/14/2014

PROJECT MANAGER: Doug Lindsay

PROJECT LOCATION: Edison SM

LABORATORY: ~~AIS~~ TEST AMERICA

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: PDF + Excel E/M dLindsay@Environcorp.com

SAMPLER: Rod Brown

SIGNATURE: [signature]

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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 8082 PCB Solomonic extract									COMMENTS
1014-EE-BC-LIB-B024 A	10/14	1122	NA	NA	Wood	1	NA	Ice	✓									- B & C samples are on hold.
B		1138	↓	↓	DW	↓	↓	↓	✓									
C		1129	↓	↓	DW	↓	↓	↓	✓									
TOTAL	X	X	X															

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
[signature]	10/14/14		
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY): [signature]	TIME/DATE: 10.14.14 14:50

TURNAROUND TIME (CIRCLE ONE): SAME DAY, 24 HOURS, 48 HOURS, 72 HOURS, 5 DAYS, NORMAL

SAMPLE INTEGRITY: INTACT: Y N Temp 43/40

IF SEALED, SEAL INTEGRITY: INTACT: Y N N/A

H = HCL; N = HNO_3; S = H_2SO_4; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

1X 64 ON IEE

Login Sample Receipt Checklist

Client: ENVIRON International Corp.

Job Number: 440-90443-1

Login Number: 90443

List Source: TestAmerica Irvine

List Number: 1

Creator: Kim, Guerry

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-90732-1
Client Project/Site: Edison, Santa Monica, 04-33980H

For:
ENVIRON International Corp.
20 Custom House St
Suite 800
Boston, Massachusetts 02110

Attn: Doug Lindsay

Authorized for release by:
10/23/2014 8:18:58 AM

Patty Mata, Senior Project Manager
(949)261-1022
patty.mata@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90732-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-90732-1	1016-EE-BC-LIB-B025-A	Solid	10/16/14 10:20	10/16/14 13:28
440-90732-3	1016-EE-BC-LIB-B026-A	Solid	10/16/14 10:43	10/16/14 13:28
440-90732-5	1016-EE-BC-LIB-B027-A	Solid	10/16/14 09:50	10/16/14 13:28

Job ID: 440-90732-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-90732-1

Comments
Samples with -B suffix in the sample ID were placed on Hold by client prior to extraction or analysis. Only the samples with -A suffix in sample ID were requested for analysis.

Receipt
The samples were received on 10/16/2014 1:28 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.5º C.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90732-1

Client Sample ID: 1016-EE-BC-LIB-B025-A

Lab Sample ID: 440-90732-1

Date Collected: 10/16/14 10:20
Matrix: Solid
Date Received: 10/16/14 13:28

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1400	ug/Kg		10/20/14 09:30	10/22/14 15:38	20
Aroclor-1221	ND		1400	ug/Kg		10/20/14 09:30	10/22/14 15:38	20
Aroclor-1232	ND		1400	ug/Kg		10/20/14 09:30	10/22/14 15:38	20
Aroclor-1242	ND		1400	ug/Kg		10/20/14 09:30	10/22/14 15:38	20
Aroclor-1248	ND		1400	ug/Kg		10/20/14 09:30	10/22/14 15:38	20
Aroclor-1254	**9400**		1400	ug/Kg		10/20/14 09:30	10/22/14 15:38	20
Aroclor-1260	ND		1400	ug/Kg		10/20/14 09:30	10/22/14 15:38	20
Aroclor-1262	ND		1400	ug/Kg		10/20/14 09:30	10/22/14 15:38	20
Aroclor-1268	ND		1400	ug/Kg		10/20/14 09:30	10/22/14 15:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*112*		*29 - 151*	*10/20/14 09:30*	*10/22/14 15:38*	*20*
DCB Decachlorobiphenyl	*102*		*14 - 163*	*10/20/14 09:30*	*10/22/14 15:38*	*20*

Client Sample ID: 1016-EE-BC-LIB-B026-A

Lab Sample ID: 440-90732-3

Date Collected: 10/16/14 10:43
Matrix: Solid
Date Received: 10/16/14 13:28

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		680	ug/Kg		10/20/14 09:30	10/22/14 16:11	10
Aroclor-1221	ND		680	ug/Kg		10/20/14 09:30	10/22/14 16:11	10
Aroclor-1232	ND		680	ug/Kg		10/20/14 09:30	10/22/14 16:11	10
Aroclor-1242	ND		680	ug/Kg		10/20/14 09:30	10/22/14 16:11	10
Aroclor-1248	ND		680	ug/Kg		10/20/14 09:30	10/22/14 16:11	10
Aroclor-1254	**7500**		680	ug/Kg		10/20/14 09:30	10/22/14 16:11	10
Aroclor-1260	ND		680	ug/Kg		10/20/14 09:30	10/22/14 16:11	10
Aroclor-1262	ND		680	ug/Kg		10/20/14 09:30	10/22/14 16:11	10
Aroclor-1268	ND		680	ug/Kg		10/20/14 09:30	10/22/14 16:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*133*		*29 - 151*	*10/20/14 09:30*	*10/22/14 16:11*	*10*
DCB Decachlorobiphenyl	*108*		*14 - 163*	*10/20/14 09:30*	*10/22/14 16:11*	*10*

Client Sample ID: 1016-EE-BC-LIB-B027-A

Lab Sample ID: 440-90732-5

Date Collected: 10/16/14 09:50
Matrix: Solid
Date Received: 10/16/14 13:28

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		67	ug/Kg		10/20/14 09:30	10/22/14 16:44	1
Aroclor-1221	ND		67	ug/Kg		10/20/14 09:30	10/22/14 16:44	1
Aroclor-1232	ND		67	ug/Kg		10/20/14 09:30	10/22/14 16:44	1
Aroclor-1242	ND		67	ug/Kg		10/20/14 09:30	10/22/14 16:44	1
Aroclor-1248	ND		67	ug/Kg		10/20/14 09:30	10/22/14 16:44	1
Aroclor-1254	**470**		67	ug/Kg		10/20/14 09:30	10/22/14 16:44	1
Aroclor-1260	ND		67	ug/Kg		10/20/14 09:30	10/22/14 16:44	1
Aroclor-1262	ND		67	ug/Kg		10/20/14 09:30	10/22/14 16:44	1
Aroclor-1268	ND		67	ug/Kg		10/20/14 09:30	10/22/14 16:44	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90732-1

Client Sample ID: 1016-EE-BC-LIB-B027-A

Lab Sample ID: 440-90732-5

Date Collected: 10/16/14 09:50

Matrix: Solid

Date Received: 10/16/14 13:28

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		29 - 151	10/20/14 09:30	10/22/14 16:44	1
DCB Decachlorobiphenyl	96		14 - 163	10/20/14 09:30	10/22/14 16:44	1

Method Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90732-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90732-1

Client Sample ID: 1016-EE-BC-LIB-B025-A

Lab Sample ID: 440-90732-1
Date Collected: 10/16/14 10:20
Matrix: Solid
Date Received: 10/16/14 13:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			14.62 g	10 mL	152311	10/20/14 09:30	EMB	TAL CAN
Total/NA	Analysis	8082		20	14.62 g	10 mL	152812	10/22/14 15:38	LSH	TAL CAN

Client Sample ID: 1016-EE-BC-LIB-B026-A

Lab Sample ID: 440-90732-3
Date Collected: 10/16/14 10:43
Matrix: Solid
Date Received: 10/16/14 13:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			14.54 g	10 mL	152311	10/20/14 09:30	EMB	TAL CAN
Total/NA	Analysis	8082		10	14.54 g	10 mL	152812	10/22/14 16:11	LSH	TAL CAN

Client Sample ID: 1016-EE-BC-LIB-B027-A

Lab Sample ID: 440-90732-5
Date Collected: 10/16/14 09:50
Matrix: Solid
Date Received: 10/16/14 13:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			14.73 g	10 mL	152311	10/20/14 09:30	EMB	TAL CAN
Total/NA	Analysis	8082		1	14.73 g	10 mL	152812	10/22/14 16:44	LSH	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90732-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-152311/8-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152812 — **Prep Batch: 152311**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		66	ug/Kg		10/20/14 09:30	10/22/14 17:34	1
Aroclor-1221	ND		66	ug/Kg		10/20/14 09:30	10/22/14 17:34	1
Aroclor-1232	ND		66	ug/Kg		10/20/14 09:30	10/22/14 17:34	1
Aroclor-1242	ND		66	ug/Kg		10/20/14 09:30	10/22/14 17:34	1
Aroclor-1248	ND		66	ug/Kg		10/20/14 09:30	10/22/14 17:34	1
Aroclor-1254	ND		66	ug/Kg		10/20/14 09:30	10/22/14 17:34	1
Aroclor-1260	ND		66	ug/Kg		10/20/14 09:30	10/22/14 17:34	1
Aroclor-1262	ND		66	ug/Kg		10/20/14 09:30	10/22/14 17:34	1
Aroclor-1268	ND		66	ug/Kg		10/20/14 09:30	10/22/14 17:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*29 - 151*	*10/20/14 09:30*	*10/22/14 17:34*	*1*
DCB Decachlorobiphenyl	*99*		*14 - 163*	*10/20/14 09:30*	*10/22/14 17:34*	*1*

Lab Sample ID: LCS 240-152311/9-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152812 — **Prep Batch: 152311**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	667	650		ug/Kg		97	62 - 120
Aroclor-1260	667	681		ug/Kg		102	56 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*100*		*29 - 151*
DCB Decachlorobiphenyl	*112*		*14 - 163*

Lab Sample ID: 440-90732-1 MS — **Client Sample ID: 1016-EE-BC-LIB-B025-A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152812 — **Prep Batch: 152311**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		685	2950	F1	ug/Kg		430	22 - 157
Aroclor-1260	ND		685	4550	F1	ug/Kg		663	13 - 161

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*99*		*29 - 151*
DCB Decachlorobiphenyl	*106*		*14 - 163*

Lab Sample ID: 440-90732-1 MSD — **Client Sample ID: 1016-EE-BC-LIB-B025-A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 152812 — **Prep Batch: 152311**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		682	2740	F1	ug/Kg		402	22 - 157	7	30
Aroclor-1260	ND		682	5020	F1	ug/Kg		736	13 - 161	10	30

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 440-90732-1 MSD
Matrix: Solid
Analysis Batch: 152812

Client Sample ID: 1016-EE-BC-LIB-B025-A
Prep Type: Total/NA
Prep Batch: 152311

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*90*		*29 - 151*
DCB Decachlorobiphenyl	*174*	*X*	*14 - 163*

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90732-1

GC Semi VOA

Prep Batch: 152311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-90732-1	1016-EE-BC-LIB-B025-A	Total/NA	Solid	3540C	
440-90732-1 MS	1016-EE-BC-LIB-B025-A	Total/NA	Solid	3540C	
440-90732-1 MSD	1016-EE-BC-LIB-B025-A	Total/NA	Solid	3540C	
440-90732-3	1016-EE-BC-LIB-B026-A	Total/NA	Solid	3540C	
440-90732-5	1016-EE-BC-LIB-B027-A	Total/NA	Solid	3540C	
LCS 240-152311/9-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-152311/8-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 152812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-90732-1	1016-EE-BC-LIB-B025-A	Total/NA	Solid	8082	152311
440-90732-1 MS	1016-EE-BC-LIB-B025-A	Total/NA	Solid	8082	152311
440-90732-1 MSD	1016-EE-BC-LIB-B025-A	Total/NA	Solid	8082	152311
440-90732-3	1016-EE-BC-LIB-B026-A	Total/NA	Solid	8082	152311
440-90732-5	1016-EE-BC-LIB-B027-A	Total/NA	Solid	8082	152311
LCS 240-152311/9-A	Lab Control Sample	Total/NA	Solid	8082	152311
MB 240-152311/8-A	Method Blank	Total/NA	Solid	8082	152311

Definitions/Glossary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90732-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: ENVIRON International Corp.
Project/Site: Edison, Santa Monica, 04-33980H

TestAmerica Job ID: 440-90732-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-15
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-29-15
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

ENVIRON

CHAIN-of-CUSTODY № 10645

PAGE 1 of 1

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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)

MSA#: _____ WO#: _____

PROJECT NAME / FACILITY ID: Edison SMMUSD
FIELD PERSON: Rod Bronstein
PROJECT NUMBER: 0433980 K DATE: 10/16/2014
PROJECT MANAGER: Doug Lindsay DLindsay@environcorp.com
PROJECT LOCATION: Edison
LABORATORY: Test America
IS THIS A UST PROJECT OR IS EDF REQUIRED? (Y) N IF YES, GLOBAL ID #: PDF + Excell

SAMPLER: Rod Bronstein
SIGNATURE: [signature]

SAMPLE I.D. NUMBER	SAMPLE DATE (YEAR 2014)	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 8082 PCB Silicone Extraction										COMMENTS
1016-EE-BC-LIB-B025A	10/16	1020			Drywall	1	NA	Ice											
B	↓	1011			↓	↓	↓	↓											
1016-EE-BC-LIB-B026 A	↓	1043			↓	↓	↓	↓											
B	↓	1031			↓	↓	↓	↓											
1016-EE-BC-LIB-B027A	↓	0950			stucco	↓	↓	↓											
TOTAL	X	X	X																

440-90732 Chain of Custody

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
[signature]	1328 10/16/2014	[signature] TAI	10/16/14 13:28
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:
RELINQUISHED BY:	TIME/DATE:	RECEIVED BY: (COMPANY):	TIME/DATE:

TURNAROUND TIME (CIRCLE ONE): SAME DAY, ~~24 HOURS~~, (48 HOURS), 72 HOURS, 5 DAYS, NORMAL

SAMPLE INTEGRITY: INTACT: (Y) N Temp 4.8°/4.5°

IF SEALED, SEAL INTEGRITY: INTACT: Y N

H = HCL; N = HNO_3; S = H_2SO_4; U = UNKNOWN; NO = NONE; O = OTHER

FILE: LOG FORMS\Chain_of_Custody

#64

10/23/2014

Login Sample Receipt Checklist

Client: ENVIRON International Corp.

Job Number: 440-90732-1

Login Number: 90732

List Source: TestAmerica Irvine

List Number: 1

Creator: Kim, Guerry

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

DATA VALIDATION REVIEW
Edison Elementary Sampling Event
Santa Monica, California

Laboratory Sample Delivery Groups (SDGs): 440-90443-1, 440-89886-1, 440-89892-1, 440-90732-1, 440-89886-2 and 440-90418-1

Laboratory: TestAmerica Laboratories, Inc., Irvine, California

Reviewer: Wendy Stonestreet **Date Reviewed: October 3, 2014**

This data validation report has been prepared by ENVIRON International Corporation (ENVIRON) to assess the validity and usability of laboratory analytical data generated from samples collected at the Edison Elementary, Santa Monica, California Site (the "site") on October 7, 2014, October 14, 2014 and October 16, 2014.

The analytical data were evaluated for quality assurance and quality control (QA/QC) based on the following document: *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (June 2008). Analytical services for the PCB analysis of 64 solid matrix samples was provided by TestAmerica Laboratories, Inc., (TestAmerica) in Irvine, California.

This report summarizes the QA/QC evaluation of the data according to precision, accuracy, representativeness, completeness and comparability relative to the project data quality objectives. This report provides a quantitative and qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability of the data.

The following table summarizes the samples and quality control samples submitted to the laboratory:

Field ID	Sample Type	Lab ID	Matrix	Analyses
				PCBs
SDG: 440-89886-4				
1007-EE-BC-LIB-B004-C	SA	440-89886-12	Solid	X
1007-EE-BC-LIB-B005-C	SA	440-89886-15	Solid	X
1007-EE-BC-LIB-B006-C	SA	440-89886-18	Solid	X
1007-EE-BC-LIB-B008-C	SA	440-89886-24	Solid	X
1007-EE-BC-LIB-B010-C	SA	440-89886-30	Solid	X
SDG: 440-90443-1				
1014-EE-BC-LIB-B020-A	SA	440-90443-1	Solid	X
1014-EE-BC-LIB-B021-A	SA	440-90443-4	Solid	X
1014-EE-BC-LIB-B022-A	SA	440-90443-7	Solid	X

Field ID	Sample Type	Lab ID	Matrix	Analyses
				PCBs
1014-EE-BC-LIB-B023-B	SA	440-90443-10	Solid	X
1014-EE-BC-LIB-B024-A	SA	440-90443-12	Solid	X
SDG: 440-89886-1				
1007-EE-BC-LIB-B001-A	SA	440-89886-1	Solid	X
1007-EE-BC-LIB-B002-A	SA	440-89886-4	Solid	X
1007-EE-BC-LIB-B003-A	SA	440-89886-7	Solid	X
1007-EE-BC-LIB-B004-A	SA	440-89886-10	Solid	X
1007-EE-BC-LIB-B005-A	SA	440-89886-13	Solid	X
1007-EE-BC-LIB-B006-A	SA	440-89886-16	Solid	X
1007-EE-BC-LIB-B007-A	SA	440-89886-19	Solid	X
1007-EE-BC-LIB-B008-A	SA	440-89886-22	Solid	X
1007-EE-BC-LIB-B009-A	SA	440-89886-25	Solid	X
1007-EE-BC-LIB-B010-A	SA	440-89886-28	Solid	X
1007-EE-BC-LIB-B011-A	SA	440-89886-31	Solid	X
1007-EE-BC-LIB-B012-A	SA	440-89886-34	Solid	X
1007-EE-BC-LIB-B013-A	SA	440-89886-37	Solid	X
1007-EE-BC-LIB-B014-A	SA	440-89886-40	Solid	X
1007-EE-BC-LIB-B015-A	SA	440-89886-43	Solid	X
1007-EE-BC-LIB-B016-A	SA	440-89886-46	Solid	X
1007-EE-BC-LIB-B017-A	SA	440-89886-49	Solid	X
1007-EE-BC-LIB-B018-A	SA	440-89886-52	Solid	X
1007-EE-BC-LIB-B019-A	SA	440-89886-55	Solid	X
SDG: 440-89892-1				
1007-EE-BC-LIB-S001	SA	440-89892-1	Solid	X
1007-EE-BC-LIB-S002	SA	440-89892-2	Solid	X
1007-EE-BC-LIB-S003	SA	440-89892-3	Solid	X
1007-EE-BC-LIB-S004	SA	440-89892-4	Solid	X
1007-EE-BC-LIB-S005	SA	440-89892-5	Solid	X
1007-EE-BC-LIB-S006	SA	440-89892-6	Solid	X
1007-EE-BC-LIB-S007	SA	440-89892-7	Solid	X
1007-EE-BC-LIB-S008	SA	440-89892-8	Solid	X
1007-EE-BC-LIB-S009	SA	440-89892-9	Solid	X
1007-EE-BC-LIB-S010	SA	440-89892-10	Solid	X
SDG: 440-90732-1				
1016-EE-BC-LIB-B025-A	SA	440-90732-1	Solid	X
1016-EE-BC-LIB-B026-A	SA	440-90732-3	Solid	X
1016-EE-BC-LIB-B027-A	SA	440-90732-5	Solid	X
SDG: 440-89886-2				
1007-EE-BC-LIB-B001-B	SA	440-89886-2	Solid	X
1007-EE-BC-LIB-B002-B	SA	440-89886-5	Solid	X
1007-EE-BC-LIB-B004-B	SA	440-89886-11	Solid	X
1007-EE-BC-LIB-B005-B	SA	440-89886-14	Solid	X
1007-EE-BC-LIB-B006-B	SA	440-89886-17	Solid	X

Field ID	Sample Type	Lab ID	Matrix	Analyses
				PCBs
1007-EE-BC-LIB-B008-B	SA	440-89886-23	Solid	X
1007-EE-BC-LIB-B009-B	SA	440-89886-26	Solid	X
1007-EE-BC-LIB-B010-B	SA	440-89886-29	Solid	X
1007-EE-BC-LIB-B011-B	SA	440-89886-32	Solid	X
SDG: 440-90418-1				
1014-EE-BC-LIB-S011	SA	440-90418-1	Solid	X
1014-EE-BC-LIB-S012	SA	440-90418-2	Solid	X
1014-EE-BC-LIB-S013	SA	440-90418-3	Solid	X
1014-EE-BC-LIB-S014	SA	440-90418-4	Solid	X
1014-EE-BC-LIB-S015	SA	440-90418-5	Solid	X
1014-EE-BC-LIB-S016	SA	440-90418-6	Solid	X
1014-EE-BC-LIB-S017	SA	440-90418-7	Solid	X
1014-EE-BC-LIB-S018	SA	440-90418-8	Solid	X
1014-EE-BC-LIB-S019	SA	440-90418-9	Solid	X
1014-EE-BC-LIB-S020	SA	440-90418-10	Solid	X
1014-EE-BC-LIB-S021	SA	440-90418-11	Solid	X
SDG: 440-90732-2				
1016-EE-BC-LIB-B025-B	SA	440-90732-2	Solid	X
1016-EE-BC-LIB-B026-B	SA	440-90732-4	Solid	X

Sample Type: SA = Sample
PCBs = Polychlorinated biphenyls by USEPA Method SW-846 8082A by Gas Chromatography

General Overall Assessment:

_____ Data are usable without qualification.

__X__ Data are usable with qualification (noted below).

_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were noted below.

1.0 Data Package Completeness

Were all items delivered as specified on the COC and is the data package complete?

Yes, the laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative. The laboratory submitted all required deliverables as requested by the client.

2.0 Laboratory Case Narrative, Sample Preservation and Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated the following:

- **SDG: 440-89886-4:** The following samples were removed from hold status 1007-EE-BC-LIB-B004-C (440-89886-12), 1007-EE-BC-LIB-B005-C (440-89886-15), 1007-EE-BC-LIB-B006-C (440-89886-18), 1007-EE-BC-LIB-B008-C (440-89886-24), 1007-EE-BC-LIB-B010-C (440-89886-30) per an e-mail request by ENVIRON on 10/20/14. Results for several samples were quantified and reported as a mixture of Aroclors and the best overall pattern match was used to identify the result. See Section 11.0 for further discussion and resultant data qualification. Surrogate recovery results were outside of laboratory control limits for two samples. See Section 6.0 for further discussion and resultant data qualification. One sample was analyzed outside of the method's prescribed holding time. See Section 3.0 for further discussion and resultant data qualification. Several samples required dilution prior to sample analysis. See Section 10.0 for further discussion and resultant data qualification.
- **SDG: 440-90443-1:** The chain of custody indicated that all samples with a –B or –C suffix should remain on hold and only samples with a suffix of –A should be analyzed. ENVIRON requested the addition of sample 1014-EE-BC-LIB-B023-B for analysis in the absence of a sample with an –A suffix. One sample required dilution prior to sample analysis. See Section 10.0 for further discussion and resultant data qualification.
- **SDG: 440-89886-1:** ENVIRON requested by e-mail on October 8, 2014 that samples with -B or -C suffix in the sample ID were placed on hold prior to extraction or analysis. Only the samples with -A suffix in sample ID were requested for analysis. In addition, ENVIRON requested by e-mail on October 9, 2014 to insert LIB into the sample identifier to be consistent with other samples collected at the site. Results for several samples were quantified and reported as a mixture of Aroclors and the best overall pattern match was used to identify the result. See Section 11.0 for further discussion and resultant data qualification. Several samples required dilution prior to sample analysis. See Section 10.0 for further discussion and resultant data qualification.
- **SDG: 440-90732-1:** ENVIRON requested by e-mail that samples with -B suffix in the sample ID were placed on hold prior to extraction or analysis.
- **SDG: 440-89892-1:** The laboratory case narrative indicated that surrogate recovery results were outside of laboratory control limits for one sample. However; all surrogate recoveries were reported within laboratory control limits and this issue will not be discussed further in this report. The laboratory noted reporting limits were raised due to varied sample initial weights for several samples. These elevated reporting limits have some impact on data sensitivity. See Section 10.0 for further discussion and resultant data qualification.

-
- **SDG: 440-89886-2:** ENVIRON requested by e-mail on October 14, 2014 that samples with -B suffix be removed from hold and submitted for laboratory analysis. Results for several samples were quantified and reported as a mixture of Aroclors and the best overall pattern match was used to identify the result. See Section 11.0 for further discussion and resultant data qualification. Several samples required dilution prior to sample analysis. See Section 10.0 for further discussion and resultant data qualification.
- **SDG: 440-90732-2:** Samples 1016-EE-BC-LIB-B025-B (440-90732-2) and 1016-EE-BC-LIB-B026-B (440-90732-4) were received on hold but were requested for analysis by ENVIRON on 10/23/14. One sample required dilution prior to sample analysis. See Section 10.0 for further discussion and resultant data qualification.

Samples were received at the TestAmerica Irvine, California laboratory in good condition and at proper temperature 4˚C ± 2˚C (five coolers at 3.3˚C, 4.0˚C, 4.2˚C, 4.5˚C, 4.1˚C). Sample preservation requirements were met.

3.0 Technical Holding Times

Were samples extracted/analyzed within method specific holding time requirements?

No. All samples were prepared and/or analyzed within the method-specific required holding time of 14 days with the exception of the reanalysis of sample 1007-EE-BC-LIB-B004-C in SDG 440-89886-4 due to surrogate failure. The reported detected result from the reanalysis was therefore "**J**" qualified as an estimated value with possible low bias. The non-detect results in the sample were considered "**UJ**" qualified as estimated with possible low bias. The surrogate recovery failure will be discussed in Section 6.0.

4.0 Blank Contamination

Were any analytes detected in the Method Blanks?

No analytes were detected in the associated method blanks.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes. LCS analyses met the criteria for frequency of analysis and all LCS recoveries were within evaluation criteria.

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No, the following table summarizes surrogate recoveries outside acceptance limits.

SDG	Field ID	Parameter	Surrogate	Recovery %	Criteria %
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Tetrachloro-m-xylene	**0**	29-151
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	DCB Decachlorobiphenyl	**0**	14-163

Sample 1007-EE-BC-LIB-B004-C was reanalyzed due to surrogate failure. The qualification of sample results was discussed in Section 3.0.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of these SDGs?

Yes. A matrix spike was performed from a site-specific sample in one SDG. MS/MSD results reported from non-site specific samples were not deemed appropriate for evaluating site-specific matrix effects.

Were MS/MSD recoveries within evaluation criteria?

No. MS/MSD recoveries which were outside acceptance evaluation criteria are summarized in the table below.

SDG	Sample ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD (%)	MS/MSD/ RPD Criteria (%)
440-90732-1	1016-EE-BC-LIB-B025-A	8082A	Aroclor-1016	**430/402**	7	22-157/30
	1016-EE-BC-LIB-B025-A	8082A	Aroclor-1260	**663/736**	10	13-161/30

MS = Matrix Spike MSD = Matrix Spike Duplicate RPD = Relative Percent Difference % = Percent

Analytical results reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples performed as part of this SDG?

Yes, but only as spiked duplicates, which are discussed in the previous section.

9.0 Field Duplicate Results

Were field duplicate samples collected as part of the evaluated SDGs?

No.

10.0 Detects and Calibration Range

For samples that were diluted and nondetect, were undiluted results also reported?

No.

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

SDG	Field ID	Parameter	Dilution Factor
440-89886-4	1007-EE-BC-LIB-B006-C	8082A	10
	1007-EE-BC-LIB-B008-C	8082A	5
	1007-EE-BC-LIB-B010-C	8082A	2
440-90443-1	1014-EE-BC-LIB-B020-A	8082A	5
440-89886-1	1007-EE-BC-LIB-B001-A	8082A	5
	1007-EE-BC-LIB-B002-A	8082A	5
	1007-EE-BC-LIB-B003-A	8082A	5
	1007-EE-BC-LIB-B004-A	8082A	5
	1007-EE-BC-LIB-B005-A	8082A	5
	1007-EE-BC-LIB-B006-A	8082A	10
	1007-EE-BC-LIB-B008-A	8082A	10
	1007-EE-BC-LIB-B009-A	8082A	5
	1007-EE-BC-LIB-B010-A	8082A	10
	1007-EE-BC-LIB-B011-A	8082A	5
440-90732-1	1016-EE-BC-LIB-B025-A	8082A	20
	1016-EE-BC-LIB-B023-A	8082A	10
440-89886-2	1007-EE-BC-LIB-B001-B	8082A	5
	1007-EE-BC-LIB-B002-B	8082A	5
	1007-EE-BC-LIB-B004-B	8082A	10
	1007-EE-BC-LIB-B005-B	8082A	10
	1007-EE-BC-LIB-B006-B	8082A	5
	1007-EE-BC-LIB-B008-B	8082A	10
	1007-EE-BC-LIB-B009-B	8082A	5
	1007-EE-BC-LIB-B010-B	8082A	10
	1007-EE-BC-LIB-B011-B	8082A	5
440-90732-2	1016-EE-BC-LIB-B026-B	8082A	5

For samples that were diluted, were the detected results divided by the dilution factors greater than the reporting limits and within calibration range?

Yes. Data users should be aware of the elevated detection limits when

evaluating data usage for comparison to project standards.

For samples that were not diluted and detected, were the results within calibration range?

Yes

11.0 Additional Qualifications

Were additional qualifications applied?

Yes. The following table sample results have been qualified as estimated values due to poor match with Aroclor standards and there was increased qualitative and quantitative uncertainty associated with this result. The laboratory used the best overall pattern match to identify the quantitation.

SDG	Field ID	Parameter	Analyte	Qualification
440-89886-4	1007-EE-BC-LIB-B008-C	8082A	Aroclor-1254	**J**
440-89886-4	1007-EE-BC-LIB-B010-C	8082A	Aroclor-1254	**J**
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B001-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B002-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B003-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B004-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B005-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B006-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B007-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B008-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B009-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B010-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B011-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B014-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B015-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B016-A	8082A	Aroclor-1254	**J**
440-89886-1	1007-EE-BC-LIB-B019-A	8082A	Aroclor-1254	**J**
440-89886-2	1007-EE-BC-LIB-B005-B	8082A	Aroclor-1254	**J**
440-89886-2	1007-EE-BC-LIB-B010-B	8082A	Aroclor-1254	**J**
440-89886-2	1007-EE-BC-LIB-B011-B	8082A	Aroclor-1254	**J**

12.0 Overall Data Assessment

The data are usable for their intended purpose based on an evaluation of the QC parameters discussed in this report. Some data are qualified as estimated due to the inability to meet all QC criteria. The table below summarizes the final qualifications for the analytical data.

Data Qualifier Summary:

SDG	Field ID	Analysis	Analyte	Qualifier	Reason Code
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Aroclor-1254	**J**	1
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Aroclor-1016	**UJ**	1
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Aroclor-1221	**UJ**	1
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Aroclor-1232	**UJ**	1
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Aroclor-1242	**UJ**	1
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Aroclor-1248	**UJ**	1
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Aroclor-1260	**UJ**	1
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Aroclor-1252	**UJ**	1
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Aroclor-1268	**UJ**	1
440-89886-4	1007-EE-BC-LIB-B008-C	8082A	Aroclor-1254	**J**	2
440-89886-4	1007-EE-BC-LIB-B010-C	8082A	Aroclor-1254	**J**	2
440-89886-4	1007-EE-BC-LIB-B004-C	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B001-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B002-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B003-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B004-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B005-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B006-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B007-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B008-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B009-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B010-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B011-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B014-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B015-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B016-A	8082A	Aroclor-1254	**J**	2
440-89886-1	1007-EE-BC-LIB-B019-A	8082A	Aroclor-1254	**J**	2
440-89886-2	1007-EE-BC-LIB-B005-B	8082A	Aroclor-1254	**J**	2
440-89886-2	1007-EE-BC-LIB-B010-B	8082A	Aroclor-1254	**J**	2
440-89886-2	1007-EE-BC-LIB-B011-B	8082A	Aroclor-1254	**J**	2

Data Validation Qualifier Codes:

U = Non-detect. The compound was analyzed for, but not detected.

J = Estimated. The associated numerical value is an estimated quantity. The analyte was detected but the reported value may not be accurate or precise.

UJ = Estimated Non-detect. The analyte was not detected above the method detection limit. However, it is an estimated quantity due to poor accuracy or precision. This qualification is also used to flag possible false negative results in the case where low bias in the analytical system is indicated by low calibration response, surrogate or other spike recovery.

R = Rejected. The sample results are unusable due to the quality of the data generated.

Data Qualifier Reason Codes:

1 Sample analysis results were reported outside method prescribed hold time.

2 Poor match of results to Aroclor standards.