



ALTA
ENVIRONMENTAL

ENVIRONMENTAL SITE INVESTIGATION REPORT

Will Rogers Learning Community
2401 14th Street
Santa Monica, California 90405

Prepared for:

Santa Monica-Malibu Unified School District
2828 4th Street
Santa Monica, California 90405

Project Number: SMSD-23-11336
April 21, 2023

PROFESSIONAL CERTIFICATION

We appreciate the opportunity to provide our services to you. If you have any questions, please contact us at (562) 544-3910.

This report has been prepared by:



Eric Fraske, PE

Senior Engineer/Project Manager



Trevor L. Atkinson, PE

Vice President – Site Assessment and Remediation



David Schack, CAC

Cal/OSHA Certified Asbestos Consultant

92-0219

Vice President – Building Sciences

TABLE OF CONTENTS

1.	INTRODUCTION	1
2.	BACKGROUND	1
2.1	Site Location and Description.....	1
2.2	Previous Investigations.....	1
3.	SITE INVESTIGATION	2
3.1	Pre-field Activities	2
3.1.1	Health and Safety Plan.....	2
3.1.2	Utility Clearance and Geophysical Survey	2
3.2	Sample Collection and Analysis	2
3.2.1	Pavement Coring and Sampling.....	2
3.2.2	Soil-Matrix Sample Collection and Analysis	2
3.2.3	Equipment Decontamination	3
3.2.4	Soil Boring Abandonment.....	4
3.2.5	Quality Assurance/Quality Control (QA/QC)	4
3.2.6	Investigation Derived Wastes (IDW)	4
4.	INVESTIGATION RESULTS.....	4
4.1	Lithology	4
4.2	Laboratory Analytical Results	4
4.2.1	Asbestos in Asphalt Pavement.....	5
4.2.2	PCBs in Soil	5
4.2.3	Lead in Soil.....	5
4.2.4	Arsenic in Soil.....	5
4.2.5	Pesticides in Soil	6
4.2.6	QA/QC	6
5.	FINDINGS AND RECOMMENDATIONS	6
6.	WARRANTY	7
6.1	Warranty.....	7
6.2	Use by Third Parties	8
7.	REFERENCES	8
7.1	References	8

Tables

Table 1	PCBs in Soils Laboratory Analysis Summary
Table 2	Lead and Arsenic in Soils Laboratory Analysis Summary
Table 3	Pesticides in Soils Laboratory Analysis Summary

Figures

Figure 1	Site Location Map
Figure 2	Site Vicinity Map
Figure 3	Sample Locations

TABLE OF CONTENTS

Appendices

- Appendix A Staff Certifications
- Appendix B Soil Sampling Logs
- Appendix C Laboratory Analytical Reports
- Appendix D Waste Manifests
- Appendix E Statistical Analysis of Arsenic Data

1. INTRODUCTION

Alta Environmental LP, an NV5 Company (NV5) has prepared this Environmental Site Investigation (ESI) report for the assessment of a proposed construction work area on the campus of the Will Rogers Learning Community, located at 2401 14th Street in Santa Monica, California (herein identified as the "Site"). The assessment was completed for the Santa Monica-Malibu Unified School District in accordance with NV5 proposal number SMSD-23-11336 dated January 20, 2023. The objective of the assessment was to assess the recognized environmental conditions identified in NV5's Phase I ESA report dated April 2022.

2. BACKGROUND

2.1 Site Location and Description

Will Rogers Elementary School is an approximately 6.68-acre rectangular shaped elementary school site located at 2401 14th Street in the City of Santa Monica (Figure 1), with approximately 688 students serving transitional kindergarten through fifth grades. The current campus has 13 educational buildings and 11 portable buildings, as well as play yards and sports fields, staff and visitor parking and programmed and unprogrammed open space. Vehicular access is from 14th Street, with student drop-off/pick-up occurring along 14th Street. The school campus is surrounded by John Adams Middle School to the north, and residential properties to the east, west and south.

It is our understanding that as part of a proposed campus upgrade, the first phase of work will include demolition of select existing buildings, construction of new buildings, relocation, and remodel of an outside playfield, and develop of new parking areas. Six existing portable buildings will be demolished, and a new one-story Kindergarten classroom building will be constructed within the northwest portion of the campus. The proposed new building will consist of three transitional kindergarten (T-K) classrooms and four kindergarten classrooms. The classrooms will be designed with windows and garage door-style wall panels that will open to an early education outdoor play yard along the north side of the new classroom building. The classroom building and play yard will be shielded from adjacent residential neighbors to the north by an 8-foot wall and landscaping. The playfield in the northwest of the campus will be relocated to the center of the campus and new parking will be developed along 14th Street. The area of the proposed construction activities (Site) is shown on the attached Figure 2.

2.2 Previous Investigations

A Phase I Environmental Site Assessment (ESA) of the Site prepared by NV5 in April 2022 identified the following evidence of potential environmental concerns.

- *No evidence of a recognized environmental condition (REC), Controlled REC, or historic REC in connection with the Site was identified during this assessment, however, based on the age of historical and current structures on the Site, arsenic, lead-based paint, asbestos, pesticides, and Polychlorinated Biphenyls (PCBs) in caulk may have been historically used at the Site. As a result, there is a potential for these compounds to be present in the shallow soils onsite.*

NV5 recommended conducting a limited Phase II ESA subsurface investigation in areas of proposed soil disturbance to evaluate shallow soil conditions with respect to the chemicals of concern listed above.

3. SITE INVESTIGATION

3.1 Pre-field Activities

3.1.1 Health and Safety Plan

Prior to conducting field work for the project, NV5 prepared a site-specific Health and Safety Plan (HASP) that was implemented per California Occupational Safety and Health Administration (OSHA) California Code of Regulations (CCR) Title 8, Section 5192 requirements. The HASP presented an overview of the scope of work and discussions of potential job hazards that could be encountered during the investigation.

Daily tailgate meetings were held with NV5 personnel and subcontractors at the beginning of each day during the investigation. The plan of the day, potential safety hazards, and site-specific safety procedures were discussed during the tailgate meetings. All field personnel were required to review and sign the HASP before beginning any fieldwork. All NV5 personnel conducting field work onsite have received the OSHA Hazardous Waste Operations training in accordance with 29 CFR 1910.120 and CCR Title 8, Section 5192. The investigation work was completed with no reportable injuries or illnesses.

3.1.2 Utility Clearance and Geophysical Survey

NV5 conducted a geophysical survey (survey) of the Site to independently clear each of the soil boring locations to ensure that buried utilities would not be encountered during soil sampling. On February 18, 2023, NV5's subcontractor, SoCal Locators, surveyed the Site using a combination of electromagnetic induction, magnetometry, and ground penetrating radar.

The proposed boring locations were marked with white spray paint, as required by the Underground Service Alert (USA). On February 25, 2023, NV5 notified USA of the proposed sampling activities (USA Notification ID: A230480837-00A). USA then notified the companies and agencies that may have underground utilities in the vicinity to mark their respective utilities on the ground with spray paint so that the utilities could be avoided during sampling.

3.2 Sample Collection and Analysis

Pavement and subsurface soil sampling were conducted at the Site on March 4, 2023. Pavement sampling was conducted by Mr. Jorge Robles, a State of California licensed Certified Site Surveillance Technician (CSST) under the supervision of David Schack, a State of California Certified Asbestos Consultant (CAC). Soil and soil vapor sampling were conducted under the supervision of Eric Fraske, a State of California registered Professional Engineer (PE). Personnel certifications are presented in Appendix A.

3.2.1 Pavement Coring and Sampling

Most of the locations identified for subsurface sampling were overlaid by concrete or asphalt pavement. At these locations, coring equipment operated by Strongarm Environmental was used to access the soil beneath the pavement for sampling. Due to the known potential presence of asbestos in pavement, the cores from each location were collected and submitted to AmeriSci Los Angeles, a NVLAP certified laboratory, for asbestos analysis by EPA Method 600/M4-82-020; updated method 600 R-93/116 (PML).

3.2.2 Soil-Matrix Sample Collection and Analysis

20 shallow soil borings (B1 through B20) were advanced throughout the Site (Figure 3) using direct push drilling equipment or hand tools operated by Strongarm Environmental Field Services, Inc. At each

boring, soil samples were collected at a depth of 0.5 feet, 3 feet, and 5 feet below ground surface (bgs), with the following exceptions:

- Due to proximity to active subsurface utilities, samples were only collected at the depths of 0.5 and 3 feet bgs at locations B8 and B9.
- Due to proximity to an active subsurface utility, only the 0.5-foot bgs soil sample was collected at location B20.

Soil samples were collected directly from the hand auger and transferred into laboratory provided jars or from a core sampler lined with acetate tubes, sealed with Teflon® sleeves and plastic endcaps, and labeled with the boring identification number, sample depth, date, and time of collection. Following collection, each sample was placed in a chilled cooler for transport to a California-certified environmental laboratory, Enthalpy Analytical of Orange, California. The details of the soil samples were recorded on a chain-of-custody form including the sample identification, date and time of collection, sample matrix, and containers, preservative, requested analyses, sampler's name, couriers used, and responsible laboratory personnel.

The soil encountered during the investigation was logged continuously using the Unified Soils Classification System (USCS) under the supervision of a California PE. The volatile organic vapor concentrations observed during the collection of each soil sample were screened using a photoionization detector (PID) calibrated to 50 parts per million (ppm) hexane. The lithology, PID readings, field observations, and sampling depths of the borings were documented on sampling logs (included in Appendix B).

Collected soil samples were analyzed for lead, arsenic, PCBs, and pesticides as indicated on the following table. Laboratory analytical reports and chain-of-custody documentation for the soil samples are presented in Appendix C.

Soil Borings	Location Description	Laboratory Analysis
B1 through B13	Adjacent to Existing Structures	Lead by EPA Method 6010 Arsenic by EPA Method 6020 PCBs by EPA Method 8082 Pesticides by EPA Method 8081
B14 through B18	Grass and Paved Playground Areas	Lead by EPA Method 6010 Arsenic by EPA Method 6020 Pesticides by EPA Method 8081
B19 and B20	Pad Mounted Transformer	PCBs by EPA Method 8082

3.2.3 Equipment Decontamination

All sampling equipment was decontaminated with a three-bucket wash consisting of a non-phosphate cleaning solution, tap water, and a final rinse in distilled water.

3.2.4 Soil Boring Abandonment

Following completion of the investigation, the soil boring locations were abandoned by backfilling the borings with hydrated bentonite chips and sealing the surface with similar materials to match the existing surface.

3.2.5 Quality Assurance/Quality Control (QA/QC)

One duplicate soil sample (B17-0.5 DUP), one trip blank (TB), and one equipment blank (EQB-1) were collected for analysis. The duplicate soil sample was analyzed for the same constituents as the primary sample (lead, arsenic, and pesticides). The EQB-1 sample was analyzed for lead, arsenic, pesticides, and PCBs. The TB sample was analyzed for VOCs and fuel oxygenates by USEPA Method 8260B.

3.2.6 Investigation Derived Wastes (IDW)

IDW, including equipment decontamination water, soil cuttings, used PPE, and sampling supplies, generated during this sampling event was contained (and appropriately labeled) in a single 55-gallon drum, which was temporarily stored on-site pending waste characterization. Subsequent laboratory analysis of the drummed material classified the IDW as non-hazardous waste. The drum was transported to a licensed waste disposal facility by a licensed waste hauler (Belshire Environmental Services, Inc.) for disposal on April 13, 2023. A copy of the waste manifest is presented in Appendix D.

4. INVESTIGATION RESULTS

4.1 Lithology

Soils encountered at the Site generally consisted of silty sands. No significant PID readings, staining, or odors were noted in any of the collected samples. Groundwater was not encountered at any sample location.

Following collection of the five-foot soil sample at location B19, an unknown void was encountered. The depth of the void was measured to be approximately 13 feet. No evidence of subterranean utilities (debris, concrete, moisture) was observed. NV5 was able to backfill the upper several feet of the boring and repair the surface; however, the cause or nature of the void was not determined.

4.2 Laboratory Analytical Results

Laboratory analytical reports and chain-of-custody documentation are presented in Appendix C. Tabulated summaries of the PCB, lead and arsenic, and pesticides analytical results are presented on Tables 1, 2, and 3, respectively.

Laboratory results where analyte concentrations were not detected above the laboratory method detection limit (MDL) are identified as "ND" along with the corresponding MDL. Analytical concentrations detected above the MDL, but below the laboratory reporting limit (RL) are considered estimated values and are reported with a "J-flag" identifier.

The analytical results were compared to various regulatory agency published screening levels developed for residential land use scenarios. These screening levels were developed as a general guideline to identify potentially impacted areas. Screening levels should not be considered de-facto cleanup levels.

Concentrations of lead, pesticides, and PCBs in soil were compared to the EPA Region 9 Regional Screening Levels (RSLs) for residential land use (EPA, November 2022) and the Department of Toxic

Substance Control's (DTSC) Screening Levels (DTSC-SLs) for residential land use (DTSC, May 2022), where applicable.

Concentrations of arsenic in soil were evaluated in accordance with the 2009 *DTSC Arsenic Strategies, Determination of Arsenic Remediation, Determination of Arsenic Cleanup Goals for Proposed and Existing School Sites* as further discussed in Section 4.2.4.

4.2.1 Asbestos in Asphalt Pavement

- Trace (<1%) asbestos (chrysotile) was identified in the bottom layer of the asphalt core collected at location B17. Asbestos was not detected in any of the other asphalt core samples.

4.2.2 PCBs in Soil

- Trace concentrations of Aroclor-1254 were detected in the 0.5-foot samples collected at locations B2 (0.035J milligrams per kilogram [mg/kg]) and B3 (0.025J mg/kg). These concentrations are below the DTSC-SL and RSL for Aroclor-1254 (0.24 mg/kg).
- No other concentrations of PCBs were detected above laboratory method detection limits in any of the collected samples.

4.2.3 Lead in Soil

- Lead was detected in all analyzed soil samples at concentrations ranging between 2.9 and 81 mg/kg. Only the concentration of lead (81 mg/kg) detected in the 0.5-foot sample collected at location B8 exceeded the DTSC-SL of 80 mg/kg. All concentrations of lead were below the RSL of 400 mg/kg.

4.2.4 Arsenic in Soil

- Arsenic was detected in all analyzed soil samples at concentrations ranging between 1.2 to 27 mg/kg. The detected concentrations of arsenic exceeded both the RSL (0.68 mg/kg) and DTSC-SL (0.11 mg/kg) for arsenic. However, it is stated in the DTSC HHRA Note 3 that “*Note that risk-based screening-level concentrations of arsenic in soil are often below naturally occurring (background) concentrations. Consequently, DTSC Human and Ecological Risk Office (HERO) strongly recommends consideration of site-specific background concentrations of inorganic constituents.*”
- In accordance with the 2009 DTSC guidance, a statistical analysis of the detected concentrations of arsenic was conducted by an American Board of Toxicology certified toxicologist to determine the upper limit concentration of naturally occurring arsenic in soil at the Site. This statistical assessment is presented in Appendix E. The results of the analysis indicated that the upper bound soil arsenic concentration at the Site was consistent with the 12 mg/kg concentration established by the DTSC in the *HERO Human Health Risk Assessment Note Number 11, Southern California Ambient Arsenic Screening Level*. For sites where arsenic soil concentrations exceed ambient background concentrations, the DTSC guidance recommends that Risk Control or Risk Management actions be considered to make sure surface soils, or exposed soils, do not contain arsenic at concentrations higher than natural, background concentrations.

- Only the concentrations of arsenic in the 0.5-foot samples collected at locations B3 (20 mg/kg), B4 (27 mg/kg), B14 (23 mg/kg), B15 (26 mg/kg), and B16 (27 mg/kg) exceeded the DTSC upper-bound arsenic screening level for Southern California soils of 12 mg/kg.

4.2.5 Pesticides in Soil

- A trace concentration of 4,4'-DDE (0.0018J mg/kg) was detected in the 0.5-foot sample collected at location B14. This concentration is below the RSL and DTSC-SL for 4,4'-DDE of 2 mg/kg.
- Trace concentrations of endrin ketone were detected in the 0.5 and 3-foot samples collected at location B2 (0.0017J mg/kg for both samples) and in the 0.5-foot sample collected at location B10 (0.0022J mg/kg). Endrin ketone is the chemical produced when endrin, a chlorinated hydrocarbon pesticide, is exposed to light. There currently is no RSL or DTSC-SL for endrin ketone. For comparison purposes, the detected concentration of endrin ketone is well below the RSL (19 mg/kg) and DTSC-SL (19 mg/kg) for endrin.
- No other concentrations of pesticides were detected above laboratory method detection limits in any of the collected samples.

4.2.6 QA/QC

- The samples were received by the laboratory in good condition, properly preserved, and on ice. Laboratory analysis was conducted within the applicable laboratory method holding times.
- No concentrations of lead, PCBs, or pesticides were detected above laboratory method detection limits in the equipment blank sample. A trace concentration of arsenic (0.29J micrograms per liter) of arsenic was detected in the equipment blank sample. However, this trace concentration is well below (several orders of magnitude) the minimum concentration of arsenic detected in the soil samples. Therefore, the detected concentrations of arsenic in the soil samples are considered valid.
- No concentrations of VOCs were detected above laboratory method detection limits in the TB samples.
- Concentrations of lead, arsenic, and pesticides detected in the duplicate soil samples (B17-0.5 DUP) were similar with concentrations of lead, arsenic, and pesticides detected in the corresponding primary sample (B17-0.5).

5. FINDINGS AND RECOMMENDATIONS

Soils at the Site consist primarily of silty sands to the maximum explored depth of 5 feet bgs. Groundwater was not encountered during this assessment.

Asbestos (<1% Chrysotile) was identified in the lower layer of the asphalt pavement at location B17(which is located in the northeastern portion of the playground area). Asbestos was not detected in any other asphalt pavement sample. If disturbed, this material should be managed, handled, and disposed of in accordance with all applicable environmental regulations.

Trace concentrations of PCBs and pesticides were identified in shallow (0.5-foot) samples collected at several locations throughout the Site. However, all detected concentrations were well below applicable health risk screening levels.

Lead was detected in all collected soil samples; however, only the concentration of lead detected at location B8 (81 mg/kg) at a depth of 0.5 feet bgs exceeded the health risk screening level of 80 mg/kg. Boring B8 is located on the eastern portion of the Site in a narrow alleyway between two classroom structures. Deeper samples could not be collected at this location due to its proximity to subsurface utility lines. Additionally, due to the presence of several nearby subsurface utility lines and building foundations, additional step-out sampling is likely impractical. NV5 recommends that following utility lock-out associated with demolition activities, that additional step-out sampling be conducted to determine the extent of lead impacted soils above health risk screening levels. Once delineated, the impacted soil should be excavated and removed from the Site for disposal.

Arsenic was detected in all collected soil samples; however, only the concentration of arsenic detected at locations B3 (20 mg/kg), B4 (27 mg/kg), and B15 (26 mg/kg) at a depth of 0.5 feet bgs exceeded the upper-bound arsenic screening level for Southern California soils of 12 mg/kg. The arsenic concentrations detected in the 3 and 5-foot samples collected at these locations were all well below the screening level. Soil borings B3 and B4 are located adjacent to a bathroom structure. Boring B15 is located in the northeastern portion of the grass athletic field. NV5 recommends that following utility safe-off associated with demolition activities, that additional step-out sampling be conducted to determine the extent of arsenic impacted soils above health risk screening levels. Once delineated, the impacted soil should be excavated and removed from the Site for disposal.

6. WARRANTY

6.1 Warranty

NV5 warrants that the findings and conclusions reported herein were conducted in general accordance with standard industry practices. The conclusions presented in the report are based solely on the services described herein and not on scientific tasks or procedures beyond the scope of agreed upon services.

The ESI has been developed to provide the client with information regarding apparent indications of recognized environmental conditions relating to the Site. It is limited to the conditions observed and to the information available at the time of the work. The assessment and conclusions presented herein were based upon the subjective evaluation of limited data. They may not represent all conditions at the subject site as they reflect the information gathered from specific locations. NV5 warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental investigation methodology and only for the site described in this report. The findings set forth in this report are strictly limited to the date of the evaluation.

The scope of the ESI was developed specifically to meet the client's stated objectives and the data that was developed may not be suitable for use to satisfy other objectives. Any limitations on the data to meet the client's stated objectives are described in the report.

Due to the limited nature of the work, there is a possibility that there may exist conditions which could not be identified within the scope of the assessment, or which were not apparent at the time of report preparation. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. The description, type, and composition of what are commonly referred to as "hazardous materials or conditions" can also change over time. NV5 does not accept responsibility for changes in the state of the art, nor for changes in the scope of various lists of hazardous materials or

conditions. NV5 believes that the findings and conclusions provided in this report are reasonable. However, no other warranties are implied or expressed.

Analytical data contained in this report is limited to the corresponding sampling location, depth, sampled material, selected range of analyses and laboratory reporting limits. Additional chemical constituents not searched for during the current study may be present in soil, soil gas and/or groundwater at the site.

The location and concentration of contaminants can vary over time due to seasonal water table fluctuations, past disposal practices, the passage of time and other factors.

6.2 Use by Third Parties

This report was prepared pursuant to the contract NV5 has with the Santa Monica-Malibu Unified School District. That contractual relationship included an exchange of information about the subject site that was unique and between NV5 and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between NV5 and its client, reliance, or any use of this report by anyone other than the Santa Monica-Malibu Unified School District, for whom it was prepared, is prohibited and therefore not foreseeable to NV5.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third-party beneficiary to NV5's contract with the Santa Monica-Malibu Unified School District. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties, or representations, expressed or implied in this report, are made to any such third party.

7. REFERENCES

7.1 References

Phase I Environmental Site Assessment Report – Will Rogers Elementary School, 2401 14th Street, Santa Monica, California. Prepared for the Santa Monica-Malibu Unified School District. Prepared by NV5. Dated April 15, 2022.

United States Environmental Protection Agency Region IX Regional Screening Level (RSLs) Summary Table. November 2022.

Department of Toxic Substance Control Human and Ecological Risk Office - Human Health Risk Assessment Note Number 3, DTSC-modified Screening Levels. Revised May 2022.

California Department of Toxic Substances Control. Arsenic Strategies, Determination of Arsenic Remediation, Determination of Arsenic Cleanup Goals for Proposed and Existing School Sites. March 21, 2009.

Department of Toxic Substance Control Human and Ecological Risk Office - Human Health Risk Assessment Note Number 11, Southern California Ambient Arsenic Screening Level. December 28, 2020.

San Francisco Regional Water Quality Control Board - Environmental Screening Levels (Rev 2). January 2019.

TABLES

Table 1: PCBs in Soil Laboratory Analysis Summary
 Will Rogers Learning Community
 2401 14th Street
 Santa Monica, California

Sample ID	Compound	PCBs by EPA Method 8082									
		Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268	
		CAS	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4
		RSLs (mg/kg)	4.1	0.2	0.17	0.23	0.23	0.24	0.24	NE	NE
		DTSC-SLs (mg/kg)	4	0.2	0.17	0.23	0.23	0.24	0.24	NE	NE
B1-0.5	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B1-3	3/4/2023	ND (<0.014)	ND (<0.023)	ND (<0.019)	ND (<0.018)	ND (<0.021)	ND (<0.0066)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B1-5	3/4/2023	ND (<0.014)	ND (<0.023)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B2-0.5	3/4/2023	ND (<0.014)	ND (<0.023)	ND (<0.018)	ND (<0.018)	ND (<0.021)	0.035J	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B2-3	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B3-0.5	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	0.025J	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B3-3	3/4/2023	ND (<0.013)	ND (<0.011)	ND (<0.011)	ND (<0.016)	ND (<0.017)	ND (<0.015)	ND (<0.023)	ND (<0.013)	ND (<0.014)	
B4-0.5	3/4/2023	ND (<0.013)	ND (<0.011)	ND (<0.011)	ND (<0.016)	ND (<0.017)	ND (<0.015)	ND (<0.023)	ND (<0.013)	ND (<0.014)	
B4-3	3/4/2023	ND (<0.014)	ND (<0.023)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0066)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B5-0.5	3/4/2023	ND (<0.014)	ND (<0.023)	ND (<0.019)	ND (<0.018)	ND (<0.021)	ND (<0.0066)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B5-3	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B6-0.5	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B6-3	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B7-0.5	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B7-3	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B8-0.5	3/4/2023	ND (<0.014)	ND (<0.023)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0066)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B8-3	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B9-0.5	3/4/2023	ND (<0.014)	ND (<0.023)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B9-3	3/4/2023	ND (<0.013)	ND (<0.011)	ND (<0.011)	ND (<0.016)	ND (<0.017)	ND (<0.015)	ND (<0.023)	ND (<0.013)	ND (<0.014)	
B10-0.5	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B10-3	3/4/2023	ND (<0.014)	ND (<0.023)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0066)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B11-0.5	3/4/2023	ND (<0.014)	ND (<0.023)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0066)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B11-3	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B12-0.5	3/4/2023	ND (<0.014)	ND (<0.023)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0066)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B12-3	3/4/2023	ND (<0.014)	ND (<0.023)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0066)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B13-0.5	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B13-3	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B19-0.5	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B19-3	3/4/2023	ND (<0.014)	ND (<0.022)	ND (<0.018)	ND (<0.018)	ND (<0.021)	ND (<0.0065)	ND (<0.024)	ND (<0.016)	ND (<0.013)	
B20-0.5	3/4/2023	ND (<0.013)	ND (<0.011)	ND (<0.011)	ND (<0.016)	ND (<0.017)	ND (<0.015)	ND (<0.023)	ND (<0.013)	ND (<0.014)	

NOTES:

mg/kg = milligrams per kilogram

MDL = Laboratory Method Detection Limit

RSL = Regional Screening Level-Residential Land Use, Environmental Protection Agency (Pacific Southwest, Region 9), updated May 2022

DTSC-SLs = Department of Toxic Substance Control Modified Screening Levels-Residential Land Use, revised May 2022

NE = No Screening Level Established

ND = Not detected at or above the MDL

RL = Laboratory Reporting Limit

J = Analyte was detected; however, result is an estimated value between the RL and the MDL

Table 2: Lead and Arsenic in Soil Laboratory Analysis
 Will Rogers Learning Community
 2401 14th Street
 Santa Monica, California

Sample ID	Compound	Metals by EPA Method 6020/6010B	
		Arsenic	Lead
	CAS	7440-38-2	7439-92-1
	RSLs (mg/kg)	0.68	400
	DTSC-SLs (mg/kg)	0.11/12*	80
B1-0.5	3/4/2023	3.1	4.6
B1-3	3/4/2023	1.8	4.3
B1-5	3/4/2023	1.3	3.4
B2-0.5	3/4/2023	1.9	20
B2-3	3/4/2023	2.5	20
B3-0.5	3/4/2023	20	77
B3-3	3/4/2023	1.9	4.4
B4-0.5	3/4/2023	27	4.2
B4-3	3/4/2023	1.9	4.3
B5-0.5	3/4/2023	2.3	4.8
B5-3	3/4/2023	1.9	4.1
B6-0.5	3/4/2023	7.6	6.9
B6-3	3/4/2023	1.9	4.1
B7-0.5	3/4/2023	1.6	7.2
B7-3	3/4/2023	2.1	4.8
B8-0.5	3/4/2023	1.9	81
B8-3	3/4/2023	1.7	3.9
B9-0.5	3/4/2023	1.8	4.1
B9-3	3/4/2023	1.6	4
B10-0.5	3/4/2023	1.8	5.7
B10-3	3/4/2023	1.9	4.7
B11-0.5	3/4/2023	1.9	22
B11-3	3/4/2023	1.6	4.1
B12-0.5	3/4/2023	1.7	4.9
B12-3	3/4/2023	1.6	4.2
B13-0.5	3/4/2023	1.9	7.7
B13-3	3/4/2023	1.8	4.5
B14-0.5	3/4/2023	23	75
B14-3	3/4/2023	8	17
B15-0.5	3/4/2023	26	26
B15-3	3/4/2023	1.9	4.6
B16-0.5	3/4/2023	27	4.9
B16-3	3/4/2023	1.2	2.9
B17-0.5	3/4/2023	1.7	4.1
B17-0.5 DUP	3/4/2023	12	4.6

Table 2: Lead and Arsenic in Soil Laboratory Analysis
 Will Rogers Learning Community
 2401 14th Street
 Santa Monica, California

Sample ID	Compound	Metals by EPA Method 6020/6010B	
		Arsenic	Lead
	CAS	7440-38-2	7439-92-1
	RSLs (mg/kg)	0.68	400
	DTSC-SLs (mg/kg)	0.11/12*	80
B17-3	3/4/2023	1.4	3.7
B18-0.5	3/4/2023	1.8	4.8
B18-3	3/4/2023	1.5	4.3

NOTES:

mg/kg = milligrams per kilogram

RSL = Regional Screening Level-Residential Land Use, Environmental Protection Agency (Pacific Southwest, Region 9), updated May 2022

DTSC-SLs = Department of Toxic Substance Control Modified Screening Levels-Residential Land Use, revised May 2022

* = DTSC upper bound estimate (95th percentile) for background concentrations in Southern California

DUP = Duplicate sample

Table 3: Pesticides in Soil Laboratory Analysis Summary

Will Rogers Learning Center
2401 14th Street
Santa Monica, California

Sample ID	Compound	EPA Method 8081A																				
		4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	Chlordane (Technical)	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	
		CAS	72-54-8	72-55-9	50-29-3	309-00-2	319-84-6	319-85-7	57-74-9	319-86-8	60-57-1	959-98-8	33213-65-9	1031-07-8	72-20-8	7421-93-4	53494-70-5	58-89-9	76-44-8	1024-57-3	72-43-5	8001-35-2
		RSLs (mg/kg)	2.30	2.00	1.90	0.039	0.086	0.30	1.70	NE	0.034	470	470^	380	19	NE	19*	0.57	0.13	0.07	320	0.49
		DTSC-SLs (mg/kg)	1.90	2.00	1.90	0.039	0.086	0.30	1.70	NE	0.034	450	450^	380	19	NE	19*	0.57	0.13	0.07	320	0.45
B1-0.5	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0015)	ND (<0.0016)	ND (<0.0015)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)	
B1-3	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.0051)	ND (<0.015)
B1-5	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)
B2-0.5	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	0.0017J	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)
B2-3	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0015)	ND (<0.0016)	ND (<0.0016)	ND (<0.0015)	ND (<0.0017)	0.0017J	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)
B3-0.5	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0015)	ND (<0.0016)	ND (<0.0016)	ND (<0.0015)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)
B3-3	3/4/2023	ND (<0.00092)	ND (<0.0015)	ND (<0.0017)	ND (<0.0013)	ND (<0.00098)	ND (<0.0014)	ND (<0.0091)	ND (<0.0012)	ND (<0.0015)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0012)	ND (<0.001)	ND (<0.0017)	ND (<0.0018)	ND (<0.0031)	ND (<0.015)
B4-0.5	3/4/2023	ND (<0.00093)	ND (<0.0015)	ND (<0.0017)	ND (<0.0013)	ND (<0.00099)	ND (<0.0014)	ND (<0.0091)	ND (<0.0012)	ND (<0.0015)	ND (<0.0014)	ND (<0.0014)	ND (<0.0017)	ND (<0.0017)	ND (<0.0017)	ND (<0.0012)	ND (<0.0015)	ND (<0.001)	ND (<0.0017)	ND (<0.0023)	ND (<0.031)	ND (<0.015)
B4-3	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)	ND (<0.015)
B5-0.5	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.0051)	ND (<0.015)	ND (<0.015)
B5-3	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0016)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0015)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)	ND (<0.015)
B6-0.5	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)	ND (<0.015)
B6-3	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)	ND (<0.015)
B7-0.5	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)	ND (<0.015)
B7-3	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)	ND (<0.015)
B8-0.5	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)	ND (<0.015)
B8-3	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<0.0013)	ND (<0.0014)	ND (<0.0014)	ND (<0.0016)	ND (<0.0016)	ND (<0.0016)	ND (<0.0017)	ND (<0.0014)	ND (<0.001)	ND (<0.0015)	ND (<0.0018)	ND (<0.005)	ND (<0.015)	ND (<0.015)
B9-0.5	3/4/2023	ND (<0.0011)	ND (<0.0014)	ND (<0.0014)	ND (<0.0013)	ND (<0.0012)	ND (<0.0017)	ND (<0.011)	ND (<													

FIGURES

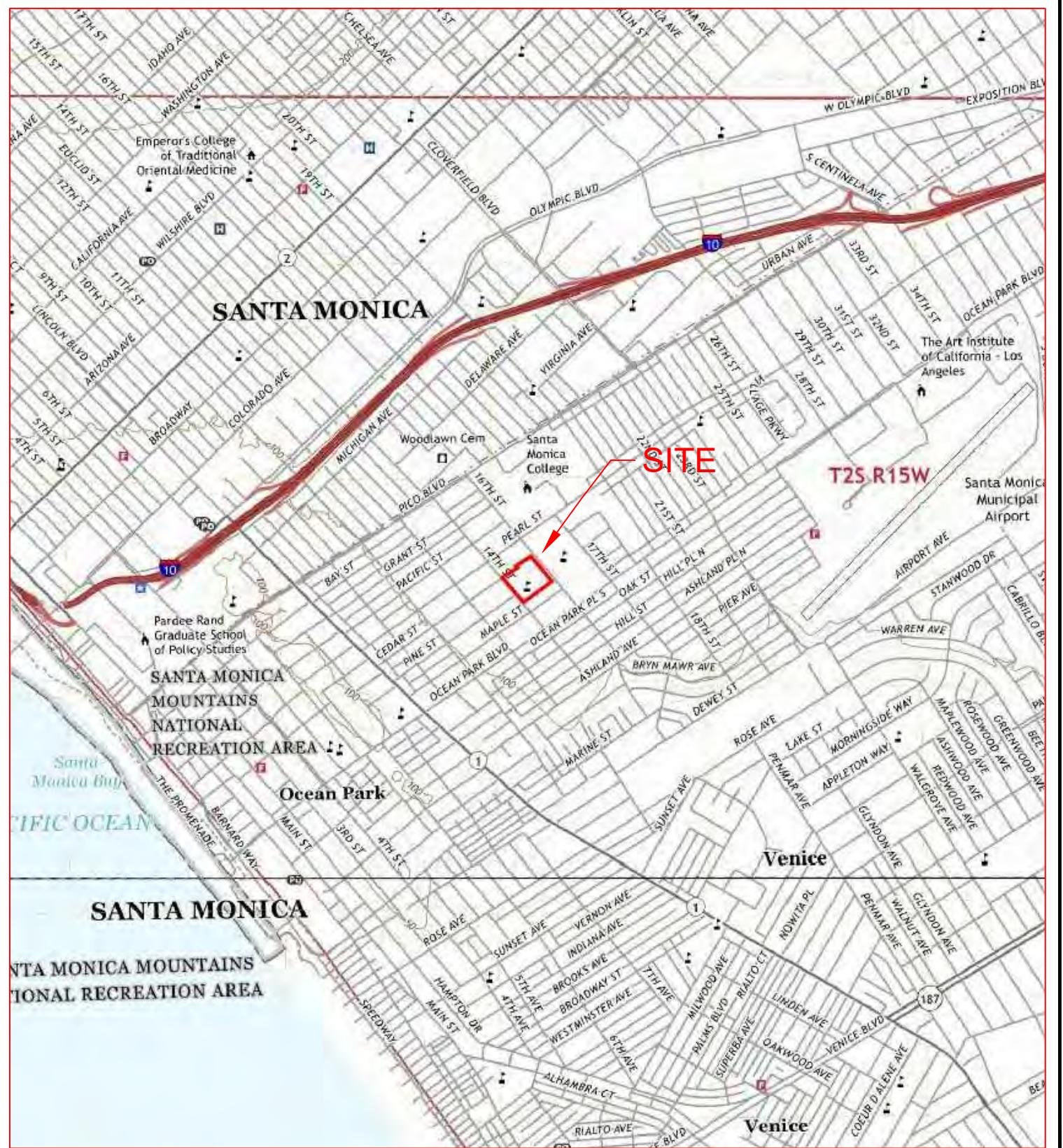


FIGURE 1: Site Location Map

CLIENT:
Santa Monica-Malibu Unified School District

PROJECT #: SMSD-22-11336

SITE LOCATION: 2401 14th Street
Santa Monica, California 90405



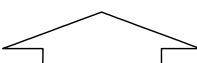
3777 Long Beach Blvd., Annex Bldg.
Long Beach, CA 90807
(562) 495-5777 www.altaenvironment.com

DRAWN: ED

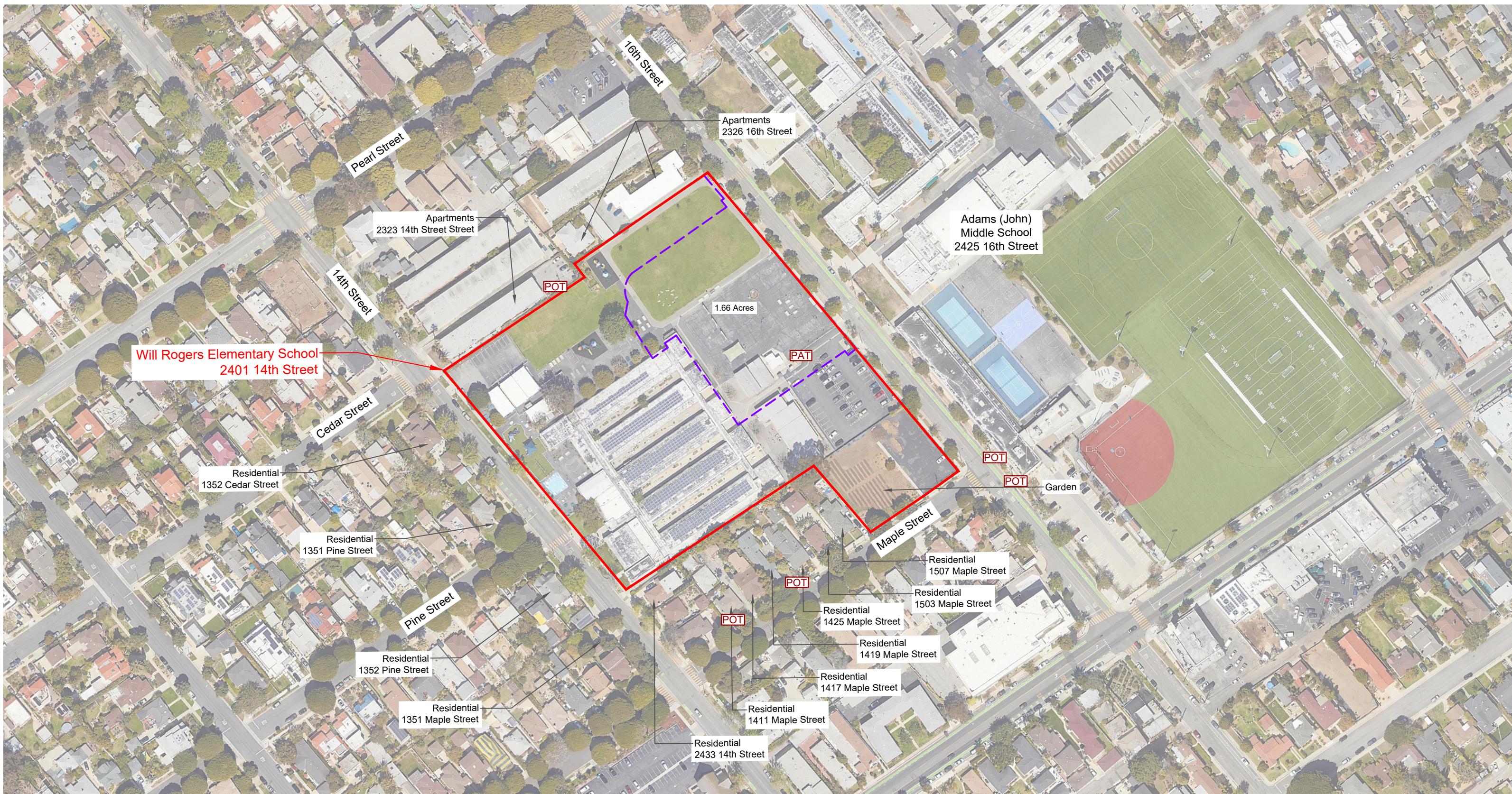
APPROVED: EF

SCALE:
None

DATE: 2/20/2023

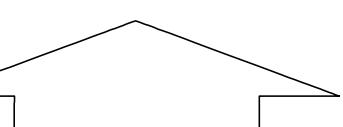


NORTH



- LEGEND:**
- Approximate Campus Boundary
 - Approximate Extents of Earthworks
 - PAT** Pad Mounted Electrical Transformer
 - POT** Pole Mounted Electrical Transformer

APPX. SCALE:
1" = 150'
0 150' 1"



NORTH

Figure 2: Site Vicinity Map

CLIENT: Santa Monica
Malibu Unified School District

DRAWN: AHL APPROVED: EF
SCALE: NTS DATE: Feb. 2023

SITE LOCATION:
Will Rogers Elementary School
2401 14th Street
Santa Monica, California 90405

PROJECT #: SMSD-23-11336

NIV5
ALTA
ENVIRONMENTAL

3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807
P: (562) 495-5777 F: (562) 495-5877 altaenviron.com



LEGEND:
— Approximate Campus Boundary
— Approximate Extents of Earthworks
—> Approximate Boring Locations
—> B 20

APPX. SCALE:
 1" = 30'
 30'
 0

NORTH

FIGURE 3: Sample Locations

CLIENT: Santa Monica Malibu Unified School District	DRAWN: RB	APPROVED: EF
SCALE: NTS	DATE: MAR 2023	
SITE LOCATION: Will Rogers Elementary School 2401 14th Street Santa Monica, California 90407		N V 5
PROJECT #: SMSD-23-11336		3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807 P: (562) 495-5777 • F: (562) 495-5877 • altaenviron.com

APPENDIX A

Staff Certifications

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Jorge Robles

Name

Certification No. **17-6028**

Expires on **11/14/23**

This certification was issued by the Division of
Occupational Safety and Health as authorized by
Sections 7180 et seq. of the Business and
Professions Code.



State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

David Schack
Name



Certification No. **92-0219**

Expires on **07/09/23**

This certification was issued by the Division of
Occupational Safety and Health as authorized
by Sections 7180 et seq. of the Business and
Professions Code.

**BOARD FOR PROFESSIONAL ENGINEERS,
LAND SURVEYORS, AND GEOLOGISTS**
LICENSING DETAILS FOR: 76976

NAME: FRASKE, ERIC C

LICENSE TYPE: CIVIL ENGINEER

LICENSE STATUS: CLEAR
ADDRESS

59 GRANADA AVENUE
LONG BEACH CA 90803
LOS ANGELES COUNTY

ISSUANCE DATE

JULY 16, 2010

EXPIRATION DATE

DECEMBER 31, 2024

CURRENT DATE / TIME

APRIL 18, 2023
9:21:43 AM

APPENDIX B

Soil Sampling Logs

Soil Sampling Log

Project Name: Will Rogers ES Site Investigation Project Number: SMSD-23-11336 Sampling Date: March 4, 2022 Logged by: Eric Fraske, Noah Stevens, and Ruta Bandziulis				Driller: Strongarm Environmental Field Services, Inc. Drilling Method: Geoprobe Boring Diameter: 2.25 Inches	
Soil Boring Location	Ground Surface	Soil Sample Depth (Feet bgs)		PID Measurement (ppm)	Soil Sample Time
B1	Asphalt	0.5	Silty sand, SC, dark grayish brown, moist, no staining	0.1	11:06
		3	Silty sand, SC, dark brown, moist, no staining	0.0	11:06
		5	Silty sand, SC, yellowish brown, no staining	0.0	11:06
B2	Concrete	0.5	Silty sand, SC, dark grayish brown, moist, no staining	0.0	11:18
		3	Silty sand, SC, dark brown, moist, no staining	0.0	11:20
		5	Silty sand, SC, dark yellowish brown, moist, no staining	0.0	11:23
B3	Concrete	0.5	Silty sand, SC, dark grayish brown, moist, no staining	0.0	10:45
		3	Silty sand, SC, dark brown, moist, no staining	0.0	10:45
		5	Silty sand, SC, medium brown, moist, no staining	0.0	10:45
B4	Asphalt	0.5	Silty sand, SC, dark grayish brown, moist, no staining	0.0	10:51
		3	Silty sand, SC, medium brown, moist, no staining	0.0	10:51
		5	Silty sand, SC, yellowish brown, moist, no staining	0.0	10:51

Soil Sampling Log

Project Name: Will Rogers ES Site Investigation Project Number: SMSD-23-11336 Sampling Date: March 4, 2022 Logged by: Eric Fraske, Noah Stevens, and Ruta Bandziulis				Driller: Strongarm Environmental Field Services, Inc. Drilling Method: Geoprobe Boring Diameter: 2.25 Inches	
Soil Boring Location	Ground Surface	Soil Sample Depth (Feet bgs)		PID Measurement (ppm)	Soil Sample Time
B5	Asphalt	0.5	Silty sand, SC, very dark grayish brown, moist, no staining, high plasticity	0.0	10:33
		3	Silty sand, SC, brown, moist, no staining	0.0	10:33
		5	Silty sand, SC, reddish brown, moist, no staining	0.0	10:33
B6	Asphalt	0.5	Silty sand, SC, dark brown, moist, no staining	0.0	10:22
		3	Silty sand, SC, brown, moist, no staining	0.0	10:22
		5	Silty sand, SC, yellowish brown, moist, no staining	0.0	10:22
B7	Asphalt	0.5	Silty sand, SC, yellowish brown, dry, no staining	0.0	9:16
		3	Silty sand, SC, yellowish brown, dry, no staining	0.0	9:16
		5	Silty sand, SC, yellowish brown, dry, no staining	0.0	9:16
B8*	Asphalt	0.5	Silty sand, SC, dark grayish brown, moist, no staining	0.0	9:02
		3	Silty sand with clay, SC, brown, wet, no staining	0.0	9:05
		5	Not collected due to proximity to utility lines.	---	---

Soil Sampling Log

Project Name: Will Rogers ES Site Investigation Project Number: SMSD-23-11336 Sampling Date: March 4, 2022 Logged by: Eric Fraske, Noah Stevens, and Ruta Bandziulis				Driller: Strongarm Environmental Field Services, Inc. Drilling Method: Geoprobe Boring Diameter: 2.25 Inches	
Soil Boring Location	Ground Surface	Soil Sample Depth (Feet bgs)		PID Measurement (ppm)	Soil Sample Time
B9*	Asphalt	0.5	Silty sand, well-graded, SM, dark brown, moist, no staining	0.0	8:52
		3	Silty sand, well-graded, SM, brown, moist, no staining	0.0	8:53
		5	Not collected due to proximity to utility lines.	---	---
B10	Asphalt	0.5	Silty sand, SC, dark grayish brown, moist, no staining	0.0	9:32
		3	Silty sand, SC, brown, moist, no staining	0.0	9:32
		5	Silty sand, SC, reddish brown, dry, no staining	0.0	9:32
B11	Asphalt	0.5	Silty sand, SC, dark grayish brown, moist, no staining	0.0	9:49
		3	Silty sand, SC, dark grayish brown, moist, no staining	0.0	9:49
		5	Silty sand, SC, dark grayish brown, moist, no staining	0.0	9:49
B12	Asphalt	0.5	Silty sand, SC, dark grayish brown, moist, no staining	0.0	9:58
		3	Silty sand, SC, reddish brown, dry, no staining	0.0	9:58
		5	Silty sand, SC, yellowish brown, dry, no staining	0.0	9:58

Soil Sampling Log

Project Name: Will Rogers ES Site Investigation Project Number: SMSD-23-11336 Sampling Date: March 4, 2022 Logged by: Eric Fraske, Noah Stevens, and Ruta Bandziulis				Driller: Strongarm Environmental Field Services, Inc. Drilling Method: Geoprobe Boring Diameter: 2.25 Inches	
Soil Boring Location	Ground Surface	Soil Sample Depth (Feet bgs)		PID Measurement (ppm)	Soil Sample Time
B13	Asphalt	0.5	Silty clay with sand, ML, dark grayish brown, wet, high plasticity	0.0	10:10
		3	Silty clay with sand, ML, dark brown, moist, high plasticity	0.0	10:10
		5	Silty clay with sand, ML, medium brown, dry, no staining	0.0	10:10
B14	Grass	0.5	Silty clay, ML, light brown, moist, no staining	0.0	8:36
		3	Silty clay, ML, light brown, moist, no staining	0.0	8:36
		5	Silty sand, SC, light brown, moist, no staining	0.0	8:36
B15	Grass	0.5	Clayey sand, SC, dark brown, moist, no staining	0.0	8:23
		3	Clayey sand, SC, light brown, moist, no staining	0.0	8:23
		5	Silty sand, SC, light brown, moist, no staining	0.0	8:23
B16	Asphalt	0.5	Silty sand, SC, dark brown, moist, no staining	0.0	12:19
		3	Silty sand, SC, pale brown, moist, no staining	0.0	12:19
		5	Silty sand, SC, pale brown, moist, no staining	0.0	12:19

Soil Sampling Log

Project Name: Will Rogers ES Site Investigation Project Number: SMSD-23-11336 Sampling Date: March 4, 2022 Logged by: Eric Fraske, Noah Stevens, and Ruta Bandziulis				Driller: Strongarm Environmental Field Services, Inc. Drilling Method: Geoprobe Boring Diameter: 2.25 Inches	
Soil Boring Location	Ground Surface	Soil Sample Depth (Feet bgs)		PID Measurement (ppm)	Soil Sample Time
B17	Asphalt	0.5	Silty sand, SC, dark brown, moist, no staining	0.0	12:06
		3	Silty sand, SC, dark brown, moist, no staining	0.0	12:06
		5	Silty sand, SC, pale brown, moist, no staining	0.0	12:06
B18	Asphalt	0.5	Silty sand, SC, dark grayish brown, moist, no staining	0.0	12:28
		3	Silty sand, SC, medium brown, moist, no staining	0.0	12:28
		5	Silty sand, SC, pale brown, moist, no staining	0.0	12:28
B19^	Asphalt	0.5	Poorly-graded silty sand with gravel, SM, moist, dark brown, no staining	0.0	11:40
		3	Silty sand, SC, moist, reddish dark brown, no staining	0.0	11:40
		5	Silty sand, SC, moist, reddish dark brown, no staining	0.0	11:40
B20*	Asphalt	0.5	Poorly-graded sand with gravel, SW, dark brown, moist, no staining	0.0	8:43
		3	Not collected due to proximity to utility lines.	---	---
		5	Not collected due to proximity to utility lines.	---	---

Soil Sampling Log

Project Name: Will Rogers ES Site Investigation Project Number: SMSD-23-11336 Sampling Date: March 4, 2022 Logged by: Eric Fraske, Noah Stevens, and Ruta Bandziulis			Driller: Strongarm Environmental Field Services, Inc. Drilling Method: Geoprobe Boring Diameter: 2.25 Inches
Soil Boring Location	Ground Surface	Soil Sample Depth (Feet bgs)	PID Measurement (ppm)

Notes:

Groundwater was not encountered at any sampling location

DUPLICATE SAMPLE at B17, 0.5 ft bgs

bgs: Below ground surface

PPM: Parts Per Million

APPENDIX C

Laboratory Analytical Results



Please Reply To:

AmeriSci Los Angeles

24416 S. Main Street, Ste 308

Carson, California 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Project Manager

NV5, Inc.

Fax #:

Email: diane.arredondo@nv5.com, Therese.Rizarri@nv5.com,
eric.fraske@nv5.com

From: Megan A DeLara

AmeriSci Job #: 923031119

Subject: PLM 5 day Results

Client Project: SMSD-23-11336; Will Rogers ES;
Asphalt Core Sampling

Date: Monday, March 13, 2023

Number of Pages:

(including cover sheet)

Time: 15:58:55

Comments:

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

Certified Analysis Service 24 Hours A Day • 7 Days A Week Competitive Prices
visit our web site - www.amerisci.com

Boston • Los Angeles • New York • Richmond



AmeriSci Los Angeles

24416 S. Main Street, Ste 308

Carson, California 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

NV5, Inc.
Attn: Project Manager
3777 Long Beach Blvd.
Annex Building
Long Beach, CA 90807-3335

Date Received 03/07/23 **AmeriSci Job #** 923031119
Date Examined 03/13/23 **P.O. #**
Page 1 **of** 4
RE: SMSD-23-11336; Will Rogers ES; Asphalt Core Sampling

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B1	923031119-01	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt		
	Asbestos Types:		
	Other Material: Cellulose 100%		
B3	923031119-02		NA
	Location: Asphalt Core (Sample Not Submitted)		
	Analyst Description: No Sample Submitted		
	Asbestos Types:		
	Other Material:		
B4	923031119-03	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt		
	Asbestos Types:		
	Other Material: Non-fibrous 100%		
B5	923031119-04	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt		
	Asbestos Types:		
	Other Material: Non-fibrous 100%		
B6	923031119-05	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt		
	Asbestos Types:		
	Other Material: Non-fibrous 100%		

PLM Bulk Asbestos Report

SMSD-23-11336; Will Rogers ES; Asphalt Core Sampling

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B7	923031119-06	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Other Material: Non-fibrous 100%		
B8	923031119-07	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Other Material: Non-fibrous 100%		
B9	923031119-08	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Other Material: Non-fibrous 100%		
B10	923031119-09	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Other Material: Non-fibrous 100%		
B11	923031119-10	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Other Material: Non-fibrous 100%		
B12	923031119-11	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Other Material: Non-fibrous 100%		

PLM Bulk Asbestos Report

SMSD-23-11336; Will Rogers ES; Asphalt Core Sampling

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B13	923031119-12	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Other Material: Non-fibrous 100%		
B16-1	923031119-13	No	NAD
	Location: Asphalt Core Top Layer		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Other Material: Non-fibrous 100%		
B16-2	923031119-14	No	NAD
	Location: Asphalt Core Bottom Layer		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Other Material: Non-fibrous 100%		
B17-1	923031119-15	No	NAD
	Location: Asphalt Core Top Layer		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Other Material: Non-fibrous 100%		
B17-2	923031119-16	Yes	Trace (<1 %)
	Location: Asphalt Core Bottom Layer		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Chrysotile <1. Other Material: Non-fibrous 100%		
B18-1	923031119-17	No	NAD
	Location: Asphalt Core Top Layer		(by CVES) by Megan A DeLara on 03/13/23
	Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt Asbestos Types: Other Material: Non-fibrous 100%		

PLM Bulk Asbestos Report

SMSD-23-11336; Will Rogers ES; Asphalt Core Sampling

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B18-2	923031119-18	No	NAD
	Location: Asphalt Core Bottom Layer		(by CVES) by Megan A DeLara on 03/13/23
		Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt	
		Asbestos Types:	
		Other Material: Non-fibrous 100%	
B19	923031119-19	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
		Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt	
		Asbestos Types:	
		Other Material: Non-fibrous 100%	
B20	923031119-20	No	NAD
	Location: Asphalt Core		(by CVES) by Megan A DeLara on 03/13/23
		Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Asphalt	
		Asbestos Types:	
		Other Material: Non-fibrous 100%	

Reporting Notes:

Analyzed by: Megan A DeLara
Date: 3/13/2023

Reviewed by: Patricia Weakley

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.



Asbestos / Lead Analysis Chain of Custody

AMERISCI JOB #:

973031119

AMERISCI LOS ANGELES

24416 S Main St. Suite 308
Carson, CA 90745
Phone (310) 834-4868
Fax (310) 834-4772

COMPANY: NV5		ADDRESS: 3777 Long Beach Blvd, Long Beach CA 90807						P.O.#:		
PROJECT INFORMATION		ANALYSIS TYPE	TURNAROUND TIME						AIR FILTER INFORMATION:	
			RUSH	24 HR	48 HR	72 HR	5 DAY	OTHER		
JOB NAME: <i>Will Rogers ES</i>		TEM AHERA							MCE	
JOB NUMBER: <i>SM50-23-11336</i>		PLM Bulk					X		PC	
JOB MANAGER: <i>Jim Byers-Eric Fraske</i>		PCM Air							25 mm	
		PLM 1000 P.C.							37 mm	
JOB DESCRIPTION: <i>Asphalt core sampling</i>		Lead Air							0.45 um	
		Lead Wipe							0.80 um	
		Lead Paint / Soil							TEMP:	
		OTHER:							OTHER:	
INITIAL RESULTS DELIVERY: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> VERBAL <input type="checkbox"/> MAIL ONLY						RETURN SAMPLES YES <input type="checkbox"/>				
REPORTS TO: Jim.Byers@nv5.com Eric.Fraske@NV5.com						PHONE:				
INVOICE TO:						FAX:				
COMMENTS:						EMAIL:				
CELL:										
SAMPLE ID	SAMPLE LOCATION			START TIME	STOP TIME	TOTAL TIME	LITERS X	TOTAL VOLUME	DATE COLLECTED	
B1	Asphalt core								3/4/23	
B3										
B4										
B5										
B6										
B7										
B8										
B9										
B10										
B11										
B12										
B13										
B14-1	Top layer									
B14-2	Bottom layer									
B17-1	Top layer									
B17-2	Bottom layer									
B18-1	Top layer									
B18-2	Bottom layer									
B19										
B20										
SAMPLED BY: Jorge Robles		DATE/TIME: <i>3/4/23 0900</i>		RECEIVED BY:				DATE/TIME:		
RELINQUISHED BY: <i>JR ER</i>		DATE/TIME: <i>3/4/23 1230</i>		RECEIVED BY: <i>Eric Fraske</i>				DATE/TIME: <i>3/4/23 1230</i>		
RELINQUISHED BY: <i>ERIC FRASKE EJL</i>		DATE/TIME: <i>3/7/23 14:18</i>		RECEIVED IN LAB BY: <i>Glenda Luton</i>				DATE/TIME: <i>3/7/23 14:20</i>		

Asbestos, Environmental Chemistry and Microbiology Analysis

Boston Los Angeles New York Richmond

Page 1 of 1



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 480909
Report Level: II
Report Date: 03/16/2023

Analytical Report prepared for:

Eric Fraske
NV5 - Long Beach
3777 Long Beach Blvd.
Annex Building
Long Beach, CA 90807

Location: Will Rogers ES - 2401 14th Street, Santa Monica, CA

Authorized for release by:

Jim Lin, Service Center Manager
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Eric Fraske Lab Job #: 480909
NV5 - Long Beach Location: Will Rogers ES - 2401 14th Street,
3777 Long Beach Blvd. Santa Monica, CA
Annex Building Date Received: 03/06/23
Long Beach, CA 90807

Sample ID	Lab ID	Collected	Matrix
B15-0.5	480909-001	03/04/23 08:23	Soil
B15-3	480909-002	03/04/23 08:23	Soil
B15-5	480909-003	03/04/23 08:23	Soil
B14-0.5	480909-004	03/04/23 08:36	Soil
B14-3	480909-005	03/04/23 08:36	Soil
B14-5	480909-006	03/04/23 08:36	Soil
B20-0.5	480909-007	03/04/23 08:43	Soil
B9-0.5	480909-008	03/04/23 08:52	Soil
B9-3	480909-009	03/04/23 08:53	Soil
B8-0.5	480909-010	03/04/23 09:02	Soil
B8-3	480909-011	03/04/23 09:05	Soil
B7-0.5	480909-012	03/04/23 09:16	Soil
B7-3	480909-013	03/04/23 09:16	Soil
B7-5	480909-014	03/04/23 09:16	Soil
B10-0.5	480909-015	03/04/23 09:32	Soil
B10-3	480909-016	03/04/23 09:32	Soil
B10-5	480909-017	03/04/23 09:32	Soil
B11-0.5	480909-018	03/04/23 09:49	Soil
B11-3	480909-019	03/04/23 09:49	Soil
B11-5	480909-020	03/04/23 09:49	Soil
B12-0.5	480909-021	03/04/23 09:58	Soil
B12-3	480909-022	03/04/23 09:58	Soil
B12-5	480909-023	03/04/23 09:58	Soil
B13-0.5	480909-024	03/04/23 10:10	Soil
B13-3	480909-025	03/04/23 10:10	Soil
B13-5	480909-026	03/04/23 10:10	Soil



Sample Summary

Eric Fraske	Lab Job #:	480909
NV5 - Long Beach	Location:	Will Rogers ES - 2401 14th Street,
3777 Long Beach Blvd.		Santa Monica, CA
Annex Building	Date Received:	03/06/23
Long Beach, CA 90807		

Sample ID	Lab ID	Collected	Matrix
B6-0.5	480909-027	03/04/23 10:22	Soil
B6-3	480909-028	03/04/23 10:22	Soil
B6-5	480909-029	03/04/23 10:22	Soil
B5-0.5	480909-030	03/04/23 10:33	Soil
B5-3	480909-031	03/04/23 10:33	Soil
B5-5	480909-032	03/04/23 10:33	Soil
B3-0.5	480909-033	03/04/23 10:45	Soil
B3-3	480909-034	03/04/23 10:45	Soil
B3-5	480909-035	03/04/23 10:45	Soil
B4-0.5	480909-036	03/04/23 10:51	Soil
B4-3	480909-037	03/04/23 10:51	Soil
B4-5	480909-038	03/04/23 10:51	Soil
B1-0.5	480909-039	03/04/23 11:06	Soil
B1-3	480909-040	03/04/23 11:06	Soil
B1-5	480909-041	03/04/23 11:06	Soil
B2-0.5	480909-042	03/04/23 11:18	Soil
B2-3	480909-043	03/04/23 11:20	Soil
B2-5	480909-044	03/04/23 11:23	Soil
B19-0.5	480909-045	03/04/23 11:40	Soil
B19-3	480909-046	03/04/23 11:40	Soil
B19-5	480909-047	03/04/23 11:40	Soil
B17-0.5	480909-048	03/04/23 12:06	Soil
B17-0.5 DUP	480909-049	03/04/23 12:06	Soil
B17-3	480909-050	03/04/23 12:06	Soil
B17-5	480909-051	03/04/23 12:06	Soil
B18-0.5	480909-052	03/04/23 12:28	Soil



Sample Summary

Eric Fraske	Lab Job #:	480909
NV5 - Long Beach	Location:	Will Rogers ES - 2401 14th Street,
3777 Long Beach Blvd.		Santa Monica, CA
Annex Building	Date Received:	03/06/23
Long Beach, CA 90807		

Sample ID	Lab ID	Collected	Matrix
B18-3	480909-053	03/04/23 12:28	Soil
B18-5	480909-054	03/04/23 12:28	Soil
B16-0.5	480909-055	03/04/23 12:19	Soil
B16-3	480909-056	03/04/23 12:19	Soil
B16-5	480909-057	03/04/23 12:19	Soil
EQB-1	480909-058	03/04/23 12:27	Water
TB	480909-059	03/04/23 00:00	Water

Case Narrative

NV5 - Long Beach
3777 Long Beach Blvd.
Annex Building
Long Beach, CA 90807
Eric Fraske

Lab Job Number: 480909
Location: Will Rogers ES - 2401 14th Street, Santa Monica, CA
Date Received: 03/06/23

This data package contains sample and QC results for forty one soil samples and two water samples, requested for the above referenced project on 03/06/23. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

Pesticides (EPA 8081A) Water:

- High recoveries were observed for many analytes in the BS/BSD for batch 309267; the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated sample.
- High surrogate recoveries were observed for decachlorobiphenyl in the BS/BSD for batch 309267; the corresponding TCMX surrogate recoveries were within limits.
- No other analytical problems were encountered.

Pesticides (EPA 8081A) Soil:

- High recoveries were observed for many analytes in the MS/MSD of B1-0.5 (lab # 480909-039); the LCS was within limits, the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated samples.
- High RPD was observed for many analytes in the MS/MSD for batch 309299; the parent sample was not a project sample, and these analytes were not detected at or above the RL in the associated sample.
- High surrogate recoveries were observed for decachlorobiphenyl in many samples; the corresponding TCMX surrogate recoveries were within limits.
- No other analytical problems were encountered.

PCBs (EPA 8082) Water:

No analytical problems were encountered.

PCBs (EPA 8082) Soil:

- High recovery was observed for Aroclor-1260 in the MS of B1-0.5 (lab # 480909-039); the LCS was within limits, the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples.
- High surrogate recoveries were observed for decachlorobiphenyl (PCB) in many samples.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 6020) Water:

No analytical problems were encountered.

Metals (EPA 6010B and EPA 6020) Soil:

No analytical problems were encountered.



ENTHALPY
ANALYTICAL

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
Lab No:	480909	Standard:	X
Page:	1 of 6	5 Day:	
2 Day:		1 Day:	
3 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Water SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
4 = H₂SO₄ 5 = NaOH 6 = Other

Sample Receipt Temp:
(lab use only)

Customer Information		Project Information				Analysis Request				Test Instructions / Comments	
Company:	NVS	Name:	Will Rogers ES								
Report To:	Eric Fraske	Number:	SMSD-28-11336								
Email:	eric.fraske@nv5.com	P.O. #:									
Address:	3777 Long Beach Blvd, Annex Bldg	Address:	2401 14th Street								
	Long Beach, CA 90807		Santa Monica, CA 90404								
Phone:	562-544-3977	Global ID:									
Fax:		Sampled By:	EF and NS								
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.						
1 B15 - 0.5	3/4/2023	08:23	20L 6" ACETATE	No							
2 B15 - 3	3/4/2023	08:23	6" ACETATE TUBE								
3 B15 - 5	3/4/2023	08:23	6" ACETATE TUBE								
4 B14 - 0.5	3/4/2023	08:36	6" ACETATE TUBE								
5 B14 - 3	3/4/2023	08:36	6" ACETATE TUBE								
6 B14 - 5	3/4/2023	08:36	6" ACETATE TUBE								
7 B20 - 0.5	3/4/2023	08:43	4oz. Jar								
8 B9 - 0.5	3/4/2023	08:52	4oz. Jar								
9 B9 - 3	3/4/2023	08:53	4oz. Jar								
10 B8 - 0.5	3/4/2023	09:02	4oz. Jar								
	Signature	Print Name	Company / Title	Date / Time							
¹ Relinquished By:		Eric Fraske	NVS								
¹ Received By:		Jim Lin		3/6/23	15:15						
² Relinquished By:		Jim Lin		3/6/23	15:15						
² Received By:		Anna Gurnsey	EF	3/6/23	15:55						



ENTHALPY

ANALYTICAL

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Lab No: 480909
Page: 2 of 6
Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Water SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other
Preservatives:
1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
4 = H₂SO₄ 5 = NaOH 6 = Other
(lab use only)

Turn Around Time (rush by advanced notice only)

CUSTOMER INFORMATION

Company: NV5
Name: Will Rogers ES
Report To: Eric Fraske
Number: SMSD-23-11336
Email: eric.fraske@nv5.com
P.O. #:
Address: 3777 Long Beach Blvd, Annex Bldg
Address: 2401 14th Street
Long Beach, CA 90807
Santa Monica, CA 90404
Phone: 562-544-3977
Global ID:
Fax:
Sampled By: EF and NS

PROJECT INFORMATION

VOCs EPA Method 8260
Title 22 Metals 6010
TPH Carbon Chalm EPA Method 8015
OCPs EPA Method 8081
PCBs EPA Method 8082
Arsenic EPA Method 6020
Lead EPA Method 6010
VOCs EPA Method 8260
Title 22 Metals 6010
TPH Carbon Chalm EPA Method 8015
OCPs EPA Method 8081
PCBs EPA Method 8082
Arsenic EPA Method 6020
Lead EPA Method 6010
Archive and Hold

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 B8-3	3/4/2023	9:05	Soil	4 oz JAR	X
2 B4-05	3/4/2023	9:16	in ACETATE TUBE	X	X
3 B4-3	3/4/2023	9:16	in ACETATE TUBE	X	X
4 B4-5	3/4/2023	9:16	in ACETATE TUBE	X	X
5 B10-0-5	3/4/2023	9:32	in ACETATE TUBE	X	X
6 B10-3	3/4/2023	9:32	in ACETATE TUBE	X	X
7 B10-5	3/4/2023	9:32	in ACETATE TUBE	X	X
8 B11-0-5	3/4/2023	09:49	in ACETATE TUBE	X	X
9 B11-3	3/4/2023	09:49	in ACETATE TUBE	X	X
10 B11-5	3/4/2023	09:49	in ACETATE TUBE	X	X

Signature	Print Name	Company / Title	Date / Time
Eric Fraske	Eric Fraske	NVS	
Jim Lin	Jim Lin	EA-NH	3/6/23 15:15
Tom Lin	Tom Lin	SA-NH	3/6/23 16:55
<i>[Signature]</i>	Aurélien Grégoire	EA	3/6/23 16:55



Chain of Custody Record

Lab No: 480909		Turn Around Time (rush by advanced notice only)	
Page: 3 of 6	Standard: X	5 Day: 1 Day: 2 Day:	3 Day: Custom TAT:
Customer Information Company: NV5 Report To: Eric Fraske Email: eric.fraske@nv5.com Address: 3777 Long Beach Blvd, Annex Bldg Long Beach, CA 90080 Phone: 562-544-3977 Fax:		Project Information Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other	
		Analysis Request VOCs EPA Method 8260 Title 22 Metals 6010 TPH Carbon Chain EPA Method 8015 PCBs EPA Method 8082 Arsenic EPA Method 6020 Lead EPA Method 6010	
		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other (lab use only)	
		Sample Receipt Temp:	
		Test Instructions / Comments	
		Archive and Hold	



ENTHALPY

ANALYTICAL

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Chain of Custody Record

Lab No: 480909

Page: 4 of 6

Matrix:	A = Air	S = Soil/Solid
W = Water	DW = Drinking Water	SD = Sediment
PP = Pure Product	SEA = Sea Water	
SW = Swab	T = Tissue	WP = Wipe
	O = Other	

(lab use only)

Preservatives:

1 = Na ₂ S ₂ O ₃	2 = HCl	3 = HNO ₃
4 = H ₂ SO ₄	5 = NaOH	6 = Other

(lab use only)

Sample Receipt Temp:

Custom TAT:

3 Day:

1 Day:

5 Day:

2 Day:

Standard:

X

3 Day:

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Archive and Hold

VOCs EPA Method 8260

TPH Carbon Chain EPA Method 8015

OCPs EPA Method 8081

PCBs EPA Method 8082

Asbestos EPA Method 6020

Lead EPA Method 6010

Title 22 Metals 6010

VOCS EPA Method 8260

TPH Carbon Chain EPA Method 8015

OCPs EPA Method 8081

PCBs EPA Method 8082

Asbestos EPA Method 6020

Lead EPA Method 6010

Title 22 Metals 6010

VOCS EPA Method 8260

TPH Carbon Chain EPA Method 8015

OCPs EPA Method 8081

PCBs EPA Method 8082

Asbestos EPA Method 6020

Lead EPA Method 6010

Title 22 Metals 6010

VOCS EPA Method 8260

TPH Carbon Chain EPA Method 8015

OCPs EPA Method 8081

PCBs EPA Method 8082

Asbestos EPA Method 6020

Lead EPA Method 6010

Title 22 Metals 6010

VOCS EPA Method 8260

TPH Carbon Chain EPA Method 8015

OCPs EPA Method 8081

PCBs EPA Method 8082

Asbestos EPA Method 6020

Lead EPA Method 6010

Title 22 Metals 6010

VOCS EPA Method 8260

TPH Carbon Chain EPA Method 8015

OCPs EPA Method 8081

PCBs EPA Method 8082

Asbestos EPA Method 6020

Lead EPA Method 6010

Title 22 Metals 6010

Customer Information

Sample ID

Sampling Date

Sampling Time

Matrix

Container No. / Size

Pres.

Company: NV5

Name: Will Rogers ES

Report To: Eric Fraske

Number: SNSD-23-11336

Email: eric.fraske@nv5.com

P.O. #:

Address: 3777 Long Beach Blvd, Annex Bldg

Address: 2401 14th Street

Long Beach, CA 90807

Santa Monica, CA 90404

Phone: 562-544-3977

Global ID:

Sampled By: EF and NS

Print Name: Print Name

Company / Title: Company / Title

Date / Time: Date / Time

1 Relinquished By: Eric Fraske NOS

1 Received By: Jim Lin N/A

2 Relinquished By: Jim Lin N/A

2 Received By: Anna Sue Brumley E.A.

3 Relinquished By: Anna Sue Brumley E.A.

3 Received By: Anna Sue Brumley E.A.

4 Relinquished By: Anna Sue Brumley E.A.

4 Received By: Anna Sue Brumley E.A.

5 Relinquished By: Anna Sue Brumley E.A.

5 Received By: Anna Sue Brumley E.A.

6 Relinquished By: Anna Sue Brumley E.A.

6 Received By: Anna Sue Brumley E.A.

7 Relinquished By: Anna Sue Brumley E.A.

7 Received By: Anna Sue Brumley E.A.

8 Relinquished By: Anna Sue Brumley E.A.

8 Received By: Anna Sue Brumley E.A.

9 Relinquished By: Anna Sue Brumley E.A.

9 Received By: Anna Sue Brumley E.A.

10 Relinquished By: Anna Sue Brumley E.A.

10 Received By: Anna Sue Brumley E.A.

11 Relinquished By: Anna Sue Brumley E.A.

11 Received By: Anna Sue Brumley E.A.

12 Relinquished By: Anna Sue Brumley E.A.

12 Received By: Anna Sue Brumley E.A.

13 Relinquished By: Anna Sue Brumley E.A.

13 Received By: Anna Sue Brumley E.A.

14 Relinquished By: Anna Sue Brumley E.A.

14 Received By: Anna Sue Brumley E.A.

15 Relinquished By: Anna Sue Brumley E.A.

15 Received By: Anna Sue Brumley E.A.



ENTHALPY

ANALYTIC

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

CUSTOMER INFORMATION

PROJECT INFORMATION		Analysis Request				Test Instructions / Comments			
Company:	NVS	Name:	Will Rogers ES						
Report To:	Eric Fraske	Number:	SMSD-23-11336						
Email:	eric.fraske@nvs.com	P.O. #:							
Address:	3777 Long Beach Blvd, Annex Bldg	Address:	2401 14th Street						
Phone:	562-544-3977	Global ID:	Santa Monica, CA 90404						
Fax:		Sampled By:	EF and NS						

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request				Test Instructions / Comments
						W	DW	SD	Preservatives:	
B1 - 5	3/4/2023	11:06	SD	6 IN ACETATE TUBE	NO	X	X	X	1 = Na ₂ SO ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other	Custom TAT: (lab use only)
B2 - 0.5	3/4/2023	11:18	SD	6 IN ACETATE TUBE		X	X	X		
B2 - 3	3/4/2023	11:20	SD	6 IN ACETATE TUBE		X	X	X		
B2 - 5	3/4/2023	11:23	SD	6 IN ACETATE TUBE		X	X	X		
B1 - 0.5	3/4/2023	11:40	SD	6 IN ACETATE TUBE		X	X	X		
B1 - 3	3/4/2023	11:40	SD	6 IN ACETATE TUBE		X	X	X		
B1 - 5	3/4/2023	11:40	SD	6 IN ACETATE TUBE		X	X	X		
B14 - 0.5	3/4/2023	12:06	SD	6 IN ACETATE TUBE		X	X	X		
B14 - 0.5 DUP	3/4/2023	12:06	SD	6 IN ACETATE TUBE		X	X	X		
B14 - 3	3/4/2023	12:06	SD	6 IN ACETATE TUBE		X	X	X		

44

Signature	Print Name	Company / Title	Date / Time
	Eric Fraske	NVS	
	Jim Lin	SA-NV	3/6/23 15:55
	Tim Long	SA-NV	3/6/23 16:55
	Michael Sorensen	FA	3/6/23 16:55



ENTHALPY

ANALYTICAL

Enthalpy Analytical

931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Chain of Custody Record

Lab No:	480909		
Page:	6	of	6
Matrix:	A = Air	S = Soil/Solid	
W = Water	DW = Drinking Water	SD = Sediment	
PP = Pure Product	SEA = Sea Water		
SW = Swab	T = Tissue	WP = Wipe	O = Other

CUSTOMER INFORMATION

Company:	NV5	Name:	Will Rogers ES
Report To:	Eric Fraske	Number:	SMISD-23-11336
Email:	eric.fraske@nv5.com	P.O. #:	

PROJECT INFORMATION

Address:	3777 Long Beach Blvd, Annex Bldg	Address:	2401 14th Street
Phone:	Long Beach, CA 90807		Santa Monica, CA 90404
Fax:	562-544-3977	Global ID:	
		Sampled By:	EF and NS

Sample ID	Sampling Date	Sampling Time	Matrix	Container	Pres.
1 B17 - 5	3/4/2023	12:06	SOIL	6 IN ACETATE TUBE	NO
2 B18 - 05	3/4/2023	12:08	1	6 IN ACETATE TUBE	X
3 B18 - 3	3/4/2023	12:28	1	6 IN ACETATE TUBE	X
4 B18 - 5	3/4/2023	12:28	1	6 IN ACETATE TUBE	X
5 B18 - 0.5	3/4/2023	12:19	1	6 IN ACETATE TUBE	X
6 B18 - 3	3/4/2023	12:19	1	6 IN ACETATE TUBE	X
7 B18 - 5	3/4/2023	12:19	1	6 IN ACETATE TUBE	X
8 EQB-1	3/4/2023	12:27	WATER	2 VIALS / 1 PLASTIC	YES
9 TB	3/4/2023			WATER	
10					

1 Relinquished By:	Signature	Print Name	Company / Title	Date / Time
1 Received By:		Eric Fraske	NV5	
2 Relinquished By:		Tim Lin	SA - NY	3/6/23 15:15
2 Received By:		Tim Lin	SA - NY	3/6/23 16:55
		Amberlee Snellings	EA	3/6/23 16:55



ENTHALPY
ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: NUS - Long Beach
Date Received: 3/6/23

Project: Will Rogers ES

Sampler's Name Present: Yes No

Section 2

Sample(s) received in a cooler? Yes, How many? 1 No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.9 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: Ice Ice Packs Bubble Wrap Styrofoam
 Paper None Other _____

Cooler Temp (°C): #1: 2.2 #2: _____ #3: _____ #4: _____

Section 4

	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>		
Are sample IDs present?	<input checked="" type="checkbox"/>		
Are sampling dates & times present?	<input checked="" type="checkbox"/>		
Is a relinquished signature present?	<input checked="" type="checkbox"/>		
Are the tests required clearly indicated on the COC?	<input checked="" type="checkbox"/>		
Are custody seals present?	<u>AS 3/6/23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
If custody seals are present, were they intact?	<u>AS 3/6/23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)		<input checked="" type="checkbox"/>	
Did all samples arrive intact? If no, indicate in Section 4 below.	<input checked="" type="checkbox"/>		
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>		
Were the samples collected in the correct containers for the required tests?	<input checked="" type="checkbox"/>		
Are the containers labeled with the correct preservatives?	<input checked="" type="checkbox"/>		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		<input checked="" type="checkbox"/>	
Was a sufficient amount of sample submitted for the requested tests?	<input checked="" type="checkbox"/>		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? Verbal PM Initials: _____ Date/Time _____
 Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: [Signature]

Date: 3/6/23

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209

www.enthalpy.com/socal

Sample Acceptance Checklist – Rev 4, 8/8/2017

Analysis Results for 480909

Eric Fraske
 NV5 - Long Beach
 3777 Long Beach Blvd.
 Annex Building
 Long Beach, CA 90807

Lab Job #: 480909
 Location: Will Rogers ES - 2401 14th Street,
 Santa Monica, CA
 Date Received: 03/06/23

Sample ID: B15-0.5	Lab ID: 480909-001	Collected: 03/04/23 08:23
	Matrix: Soil	

480909-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	26		mg/Kg	0.99	0.43	0.99	309166	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	26		mg/Kg	0.99	0.20	0.99	309167	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	0.99	1	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.2	1	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	1	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	0.93	1	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.2	1	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	10	2.3	1	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	100	31	1	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	9.1	1	309154	03/07/23	03/08/23	MES
Surrogates		Limits								
TCMX	79%	%REC	23-120			1	309154	03/07/23	03/08/23	MES
Decachlorobiphenyl	74%	%REC	24-120			1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B15-3			Lab ID: 480909-002			Collected: 03/04/23 08:23				
480909-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.6		mg/Kg	0.98	0.42	0.98	309166	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.9		mg/Kg	0.98	0.20	0.98	309167	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	309154	03/07/23	03/08/23	MES
Surrogates		Limits								
TCMX	74%	%REC	23-120		0.99	309154	03/07/23	03/08/23	MES	
Decachlorobiphenyl	84%	%REC	24-120		0.99	309154	03/07/23	03/08/23	MES	

Analysis Results for 480909

Sample ID: B14-0.5			Lab ID: 480909-004			Collected: 03/04/23 08:36				
			Matrix: Soil							
480909-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	75		mg/Kg	0.96	0.42	0.96	309166	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	23		mg/Kg	0.96	0.20	0.96	309167	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	0.98	0.99	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	4.9	1.2	0.99	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	4.9	1.7	0.99	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.7	0.99	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDE	1.8	C,J	ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	4.9	1.6	0.99	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.6	0.99	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	2.0	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	4.9	0.92	0.99	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.2	0.99	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.7	0.99	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	9.9	2.3	0.99	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	99	31	0.99	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	49	9.0	0.99	309154	03/07/23	03/08/23	MES
Surrogates		Limits								
TCMX	72%		%REC	23-120		0.99	309154	03/07/23	03/08/23	MES
Decachlorobiphenyl	71%		%REC	24-120		0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B14-3			Lab ID: 480909-005			Collected: 03/04/23 08:36				
480909-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	17		mg/Kg	0.95	0.41	0.95	309166	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	8.0		mg/Kg	0.95	0.20	0.95	309167	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.98	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	4.9	1.6	0.98	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.98	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.98	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.98	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.98	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.98	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.98	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.98	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.98	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.98	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.98	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.98	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.98	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.98	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.98	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.98	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	9.8	5.0	0.98	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	98	14	0.98	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.98	309154	03/07/23	03/08/23	MES
Surrogates		Limits								
TCMX	87%	%REC	23-120		0.98	309154	03/07/23	03/08/23	MES	
Decachlorobiphenyl	108%	%REC	24-120		0.98	309154	03/07/23	03/08/23	MES	

Analysis Results for 480909

Sample ID: B20-0.5	Lab ID: 480909-007	Collected: 03/04/23 08:43
	Matrix: Soil	

480909-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49	13	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	49	11	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	49	11	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	49	16	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	49	17	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	49	15	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	49	23	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	49	13	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	49	14	0.99	309154	03/07/23	03/08/23	MES
Surrogates										
Limits										
Decachlorobiphenyl (PCB)	82%		%REC	19-121	6.1	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B9-0.5	Lab ID: 480909-008	Collected: 03/04/23 08:52
	Matrix: Soil	

480909-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.1		mg/Kg	0.98	0.42	0.98	309166	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.8		mg/Kg	0.98	0.20	0.98	309167	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	309154	03/07/23	03/08/23	MES
Surrogates										
Limits										
TCMX	83%	%REC	23-120		1	309154	03/07/23	03/08/23	MES	
Decachlorobiphenyl	93%	%REC	24-120		1	309154	03/07/23	03/08/23	MES	
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.5	1	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	105%		%REC	19-121	6.3	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B9-3	Lab ID: 480909-009	Collected: 03/04/23 08:53
	Matrix: Soil	

480909-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.0		mg/Kg	0.98	0.42	0.98	309166	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.6		mg/Kg	0.98	0.20	0.98	309167	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	0.98	0.99	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.4	0.99	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.2	0.99	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.7	0.99	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	0.99	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.5	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.5	0.99	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	0.92	0.99	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.2	0.99	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.5	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.7	0.99	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	9.9	2.3	0.99	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	99	31	0.99	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	9.1	0.99	309154	03/07/23	03/08/23	MES
Surrogates										
Limits										
TCMX	71%	%REC	23-120		0.99	309154	03/07/23	03/08/23	MES	
Decachlorobiphenyl	70%	%REC	24-120		0.99	309154	03/07/23	03/08/23	MES	
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	50	11	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	50	11	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	50	16	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	50	17	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	50	15	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	50	23	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	50	13	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	50	14	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	76%		%REC	19-121	6.1	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B8-0.5	Lab ID: 480909-010	Collected: 03/04/23 09:02
Matrix: Soil		

480909-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	81		mg/Kg	0.96	0.42	0.96	309166	03/07/23	03/09/23	SBW

Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.9		mg/Kg	0.96	0.20	0.96	309167	03/07/23	03/14/23	JCP

Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	309154	03/07/23	03/08/23	MES

Surrogates	Limits								
TCMX	84%	%REC	23-120		1	309154	03/07/23	03/08/23	MES
Decachlorobiphenyl	97%	%REC	24-120		1	309154	03/07/23	03/08/23	MES

Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	1	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	110%		%REC	19-121	6.3	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B8-3	Lab ID: 480909-011	Collected: 03/04/23 09:05
	Matrix: Soil	

480909-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	3.9		mg/Kg	0.99	0.43	0.99	309166	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.7		mg/Kg	0.99	0.20	0.99	309167	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	309154	03/07/23	03/08/23	MES
Surrogates										
Limits										
TCMX	64%	%REC	23-120		0.99	309154	03/07/23	03/08/23	MES	
Decachlorobiphenyl	57%	%REC	24-120		0.99	309154	03/07/23	03/08/23	MES	
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49	14	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	49	22	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	49	18	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	49	18	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	49	21	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	49	6.5	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	49	24	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	49	16	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	49	13	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	64%		%REC	19-121	6.3	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B7-0.5	Lab ID: 480909-012	Collected: 03/04/23 09:16
Matrix: Soil		

480909-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	7.2	mg/Kg	0.98	0.42	0.98	309166	03/07/23	03/09/23	SBW
------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	1.6	mg/Kg	0.98	0.20	0.98	309167	03/07/23	03/08/23	JCP
---------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	5.0	1.2	0.99	309255	03/08/23	03/09/23	TRN
beta-BHC	ND	ug/Kg	5.0	1.7	0.99	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND	ug/Kg	5.0	1.0	0.99	309255	03/08/23	03/09/23	TRN
delta-BHC	ND	ug/Kg	5.0	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor	ND	ug/Kg	5.0	1.5	0.99	309255	03/08/23	03/09/23	TRN
Aldrin	ND	ug/Kg	5.0	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND	ug/Kg	5.0	1.8	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Dieldrin	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Endrin	ND	ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND	ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND	ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND	ug/Kg	5.0	1.1	0.99	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND	ug/Kg	5.0	1.7	0.99	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND	ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN
Toxaphene	ND	ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND	ug/Kg	50	11	0.99	309255	03/08/23	03/09/23	TRN

Surrogates	Limits							
TCMX	91%	%REC	23-120	0.99	309255	03/08/23	03/09/23	TRN
Decachlorobiphenyl	113%	%REC	24-120	0.99	309255	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	50	14	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1221	ND	ug/Kg	50	22	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1232	ND	ug/Kg	50	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1242	ND	ug/Kg	50	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1248	ND	ug/Kg	50	21	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1254	ND	ug/Kg	50	6.5	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/Kg	50	24	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1262	ND	ug/Kg	50	16	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1268	ND	ug/Kg	50	13	0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	106%		%REC	19-121		0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B7-3	Lab ID: 480909-013	Collected: 03/04/23 09:16
	Matrix: Soil	

480909-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	4.8	mg/Kg	0.98	0.42	0.98	309166	03/07/23	03/09/23	SBW
------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	2.1	mg/Kg	0.98	0.20	0.98	309167	03/07/23	03/08/23	JCP
---------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	5.0	1.2	0.99	309255	03/08/23	03/09/23	TRN
beta-BHC	ND	ug/Kg	5.0	1.7	0.99	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND	ug/Kg	5.0	1.0	0.99	309255	03/08/23	03/09/23	TRN
delta-BHC	ND	ug/Kg	5.0	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor	ND	ug/Kg	5.0	1.5	0.99	309255	03/08/23	03/09/23	TRN
Aldrin	ND	ug/Kg	5.0	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND	ug/Kg	5.0	1.8	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Dieldrin	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Endrin	ND	ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND	ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND	ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND	ug/Kg	5.0	1.1	0.99	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND	ug/Kg	5.0	1.7	0.99	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND	ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN
Toxaphene	ND	ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND	ug/Kg	50	11	0.99	309255	03/08/23	03/09/23	TRN

Surrogates	Limits								
TCMX	88%	%REC	23-120	0.99	309255	03/08/23	03/09/23	TRN	
Decachlorobiphenyl	131%	*	%REC	24-120	0.99	309255	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	50	14	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1221	ND	ug/Kg	50	22	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1232	ND	ug/Kg	50	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1242	ND	ug/Kg	50	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1248	ND	ug/Kg	50	21	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1254	ND	ug/Kg	50	6.5	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/Kg	50	24	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1262	ND	ug/Kg	50	16	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1268	ND	ug/Kg	50	13	0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	122%	*	%REC	19-121		0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B10-0.5	Lab ID: 480909-015	Collected: 03/04/23 09:32
	Matrix: Soil	

480909-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	5.7	mg/Kg	1.0	0.43	1	309166	03/07/23	03/09/23	SBW
------	-----	-------	-----	------	---	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	1.8	mg/Kg	1.0	0.21	1	309167	03/07/23	03/08/23	JCP
---------	-----	-------	-----	------	---	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	4.9	1.2	0.98	309255	03/08/23	03/09/23	TRN	
beta-BHC	ND	ug/Kg	4.9	1.6	0.98	309255	03/08/23	03/09/23	TRN	
gamma-BHC	ND	ug/Kg	4.9	1.0	0.98	309255	03/08/23	03/09/23	TRN	
delta-BHC	ND	ug/Kg	4.9	1.3	0.98	309255	03/08/23	03/09/23	TRN	
Heptachlor	ND	ug/Kg	4.9	1.5	0.98	309255	03/08/23	03/09/23	TRN	
Aldrin	ND	ug/Kg	4.9	1.3	0.98	309255	03/08/23	03/09/23	TRN	
Heptachlor epoxide	ND	ug/Kg	4.9	1.8	0.98	309255	03/08/23	03/09/23	TRN	
Endosulfan I	ND	ug/Kg	4.9	1.4	0.98	309255	03/08/23	03/09/23	TRN	
Dieldrin	ND	ug/Kg	4.9	1.4	0.98	309255	03/08/23	03/09/23	TRN	
4,4'-DDE	ND	ug/Kg	4.9	1.4	0.98	309255	03/08/23	03/09/23	TRN	
Endrin	ND	ug/Kg	4.9	1.5	0.98	309255	03/08/23	03/09/23	TRN	
Endosulfan II	ND	ug/Kg	4.9	1.5	0.98	309255	03/08/23	03/09/23	TRN	
Endosulfan sulfate	ND	ug/Kg	4.9	1.6	0.98	309255	03/08/23	03/09/23	TRN	
4,4'-DDD	ND	ug/Kg	4.9	1.1	0.98	309255	03/08/23	03/09/23	TRN	
Endrin aldehyde	ND	ug/Kg	4.9	1.7	0.98	309255	03/08/23	03/09/23	TRN	
Endrin ketone	2.2	J	ug/Kg	4.9	1.4	0.98	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/Kg	4.9	1.4	0.98	309255	03/08/23	03/09/23	TRN	
Methoxychlor	ND	ug/Kg	9.8	5.0	0.98	309255	03/08/23	03/09/23	TRN	
Toxaphene	ND	ug/Kg	98	14	0.98	309255	03/08/23	03/09/23	TRN	
Chlordane (Technical)	ND	ug/Kg	49	11	0.98	309255	03/08/23	03/09/23	TRN	

Surrogates	Limits									
TCMX	84%	%REC	23-120		0.98	309255	03/08/23	03/09/23	TRN	
Decachlorobiphenyl	128%	*	%REC	24-120		0.98	309255	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	49	14	0.98	309255	03/08/23	03/09/23	TRN
Aroclor-1221	ND	ug/Kg	49	22	0.98	309255	03/08/23	03/09/23	TRN
Aroclor-1232	ND	ug/Kg	49	18	0.98	309255	03/08/23	03/09/23	TRN
Aroclor-1242	ND	ug/Kg	49	18	0.98	309255	03/08/23	03/09/23	TRN
Aroclor-1248	ND	ug/Kg	49	21	0.98	309255	03/08/23	03/09/23	TRN
Aroclor-1254	ND	ug/Kg	49	6.5	0.98	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/Kg	49	24	0.98	309255	03/08/23	03/09/23	TRN
Aroclor-1262	ND	ug/Kg	49	16	0.98	309255	03/08/23	03/09/23	TRN
Aroclor-1268	ND	ug/Kg	49	13	0.98	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	117%		%REC	19-121		0.98	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B10-3	Lab ID: 480909-016	Collected: 03/04/23 09:32
	Matrix: Soil	

480909-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	4.7	mg/Kg	0.96	0.42	0.96	309166	03/07/23	03/09/23	SBW
------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	1.9	mg/Kg	0.96	0.20	0.96	309167	03/07/23	03/08/23	JCP
---------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	5.0	1.2	1	309255	03/08/23	03/09/23	TRN
beta-BHC	ND	ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND	ug/Kg	5.0	1.0	1	309255	03/08/23	03/09/23	TRN
delta-BHC	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Heptachlor	ND	ug/Kg	5.0	1.5	1	309255	03/08/23	03/09/23	TRN
Aldrin	ND	ug/Kg	5.0	1.3	1	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND	ug/Kg	5.0	1.8	1	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Dieldrin	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Endrin	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND	ug/Kg	5.0	1.1	1	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND	ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND	ug/Kg	10	5.0	1	309255	03/08/23	03/09/23	TRN
Toxaphene	ND	ug/Kg	100	15	1	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND	ug/Kg	50	11	1	309255	03/08/23	03/09/23	TRN

Surrogates	Limits								
TCMX	63%	%REC	23-120		1	309255	03/08/23	03/09/23	TRN
Decachlorobiphenyl	102%	%REC	24-120		1	309255	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	50	14	1	309255	03/08/23	03/09/23	TRN
Aroclor-1221	ND	ug/Kg	50	23	1	309255	03/08/23	03/09/23	TRN
Aroclor-1232	ND	ug/Kg	50	18	1	309255	03/08/23	03/09/23	TRN
Aroclor-1242	ND	ug/Kg	50	18	1	309255	03/08/23	03/09/23	TRN
Aroclor-1248	ND	ug/Kg	50	21	1	309255	03/08/23	03/09/23	TRN
Aroclor-1254	ND	ug/Kg	50	6.6	1	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/Kg	50	24	1	309255	03/08/23	03/09/23	TRN
Aroclor-1262	ND	ug/Kg	50	16	1	309255	03/08/23	03/09/23	TRN
Aroclor-1268	ND	ug/Kg	50	13	1	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	92%		%REC	19-121		1	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B11-0.5	Lab ID: 480909-018	Collected: 03/04/23 09:49
	Matrix: Soil	

480909-018 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	22		mg/Kg	0.96	0.42	0.96	309166	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.9		mg/Kg	0.96	0.20	0.96	309167	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	309299	03/09/23	03/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	309299	03/09/23	03/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	309299	03/09/23	03/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	309299	03/09/23	03/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	309299	03/09/23	03/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	309299	03/09/23	03/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	309299	03/09/23	03/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	309299	03/09/23	03/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	309299	03/09/23	03/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	309299	03/09/23	03/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	309299	03/09/23	03/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	309299	03/09/23	03/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	309299	03/09/23	03/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	309299	03/09/23	03/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	309299	03/09/23	03/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	309299	03/09/23	03/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	309299	03/09/23	03/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	309299	03/09/23	03/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	309299	03/09/23	03/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	309299	03/09/23	03/09/23	MES
Surrogates										
Limits										
TCMX	29%	%REC	23-120		1		309299	03/09/23	03/09/23	MES
Decachlorobiphenyl	25%	%REC	24-120		1		309299	03/09/23	03/09/23	MES
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	309299	03/09/23	03/09/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	309299	03/09/23	03/09/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	309299	03/09/23	03/09/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	309299	03/09/23	03/09/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	309299	03/09/23	03/09/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	1	309299	03/09/23	03/09/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	309299	03/09/23	03/09/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	309299	03/09/23	03/09/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	309299	03/09/23	03/09/23	MES

Analysis Results for 480909

480909-018 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	28%		%REC	19-121	6.3	1	309299	03/09/23	03/09/23	MES

Analysis Results for 480909

Sample ID: B11-3	Lab ID: 480909-019	Collected: 03/04/23 09:49
	Matrix: Soil	

480909-019 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	4.1	mg/Kg	0.96	0.42	0.96	309166	03/07/23	03/09/23	SBW
------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	1.6	mg/Kg	0.96	0.20	0.96	309167	03/07/23	03/08/23	JCP
---------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	4.9	1.2	0.99	309255	03/08/23	03/09/23	TRN
beta-BHC	ND	ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND	ug/Kg	4.9	1.0	0.99	309255	03/08/23	03/09/23	TRN
delta-BHC	ND	ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor	ND	ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Aldrin	ND	ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND	ug/Kg	4.9	1.8	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Dieldrin	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Endrin	ND	ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND	ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND	ug/Kg	4.9	1.6	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND	ug/Kg	4.9	1.1	0.99	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND	ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND	ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN
Toxaphene	ND	ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND	ug/Kg	49	11	0.99	309255	03/08/23	03/09/23	TRN

Surrogates	Limits							
TCMX	59%	%REC	23-120	0.99	309255	03/08/23	03/09/23	TRN
Decachlorobiphenyl	79%	%REC	24-120	0.99	309255	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	49	14	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1221	ND	ug/Kg	49	22	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1232	ND	ug/Kg	49	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1242	ND	ug/Kg	49	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1248	ND	ug/Kg	49	21	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1254	ND	ug/Kg	49	6.5	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/Kg	49	24	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1262	ND	ug/Kg	49	16	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1268	ND	ug/Kg	49	13	0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-019 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	72%		%REC	19-121		0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B12-0.5	Lab ID: 480909-021	Collected: 03/04/23 09:58
	Matrix: Soil	

480909-021 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.9		mg/Kg	0.98	0.42	0.98	309166	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.7		mg/Kg	0.98	0.20	0.98	309167	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	309154	03/07/23	03/08/23	MES
Surrogates										
Limits										
TCMX	77%	%REC	23-120		1	309154	03/07/23	03/08/23	MES	
Decachlorobiphenyl	81%	%REC	24-120		1	309154	03/07/23	03/08/23	MES	
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	1	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-021 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	92%		%REC	19-121	6.3	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B12-3	Lab ID: 480909-022	Collected: 03/04/23 09:58
	Matrix: Soil	

480909-022 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.2		mg/Kg	0.98	0.42	0.98	309166	03/07/23	03/09/23	SBW

Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.6		mg/Kg	0.98	0.20	0.98	309167	03/07/23	03/08/23	JCP

Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	309154	03/07/23	03/08/23	MES

Surrogates	Limits								
TCMX	78%	%REC	23-120		1	309154	03/07/23	03/08/23	MES
Decachlorobiphenyl	90%	%REC	24-120		1	309154	03/07/23	03/08/23	MES

Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	1	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-022 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	102%		%REC	19-121	6.3	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B13-0.5	Lab ID: 480909-024	Collected: 03/04/23 10:10
	Matrix: Soil	

480909-024 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	7.7	mg/Kg	0.97	0.42	0.97	309166	03/07/23	03/09/23	SBW
------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	1.9	mg/Kg	0.97	0.20	0.97	309167	03/07/23	03/08/23	JCP
---------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	4.9	1.2	0.99	309154	03/07/23	03/08/23	MES
beta-BHC	ND	ug/Kg	4.9	1.7	0.99	309154	03/07/23	03/08/23	MES
gamma-BHC	ND	ug/Kg	4.9	1.0	0.99	309154	03/07/23	03/08/23	MES
delta-BHC	ND	ug/Kg	4.9	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor	ND	ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Aldrin	ND	ug/Kg	4.9	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND	ug/Kg	4.9	1.8	0.99	309154	03/07/23	03/08/23	MES
Endosulfan I	ND	ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Dieldrin	ND	ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND	ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Endrin	ND	ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Endosulfan II	ND	ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND	ug/Kg	4.9	1.6	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND	ug/Kg	4.9	1.1	0.99	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND	ug/Kg	4.9	1.7	0.99	309154	03/07/23	03/08/23	MES
Endrin ketone	ND	ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND	ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Methoxychlor	ND	ug/Kg	9.9	5.0	0.99	309154	03/07/23	03/08/23	MES
Toxaphene	ND	ug/Kg	99	15	0.99	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND	ug/Kg	49	11	0.99	309154	03/07/23	03/08/23	MES

Surrogates	Limits							
TCMX	74%	%REC	23-120	0.99	309154	03/07/23	03/08/23	MES
Decachlorobiphenyl	71%	%REC	24-120	0.99	309154	03/07/23	03/08/23	MES

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	49	14	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND	ug/Kg	49	22	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND	ug/Kg	49	18	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND	ug/Kg	49	18	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND	ug/Kg	49	21	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND	ug/Kg	49	6.5	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND	ug/Kg	49	24	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND	ug/Kg	49	16	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND	ug/Kg	49	13	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-024 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	80%		%REC	19-121	6.3	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B13-3	Lab ID: 480909-025	Collected: 03/04/23 10:10
	Matrix: Soil	

480909-025 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.5		mg/Kg	0.98	0.42	0.98	309166	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.8		mg/Kg	0.98	0.20	0.98	309167	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	5.0	1.5	0.99	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	309154	03/07/23	03/08/23	MES
Surrogates										
Limits										
TCMX	82%	%REC	23-120		0.99	309154	03/07/23	03/08/23	MES	
Decachlorobiphenyl	90%	%REC	24-120		0.99	309154	03/07/23	03/08/23	MES	
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	50	22	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	50	18	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.5	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-025 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	102%		%REC	19-121	6.3	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B6-0.5	Lab ID: 480909-027	Collected: 03/04/23 10:22
	Matrix: Soil	

480909-027 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	6.9	mg/Kg	0.99	0.43	0.99	309166	03/07/23	03/09/23	SBW
------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	7.6	mg/Kg	0.99	0.20	0.99	309167	03/07/23	03/08/23	JCP
---------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	5.0	1.2	1	309255	03/08/23	03/09/23	TRN
beta-BHC	ND	ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND	ug/Kg	5.0	1.0	1	309255	03/08/23	03/09/23	TRN
delta-BHC	ND	ug/Kg	5.0	1.3	1	309255	03/08/23	03/09/23	TRN
Heptachlor	ND	ug/Kg	5.0	1.5	1	309255	03/08/23	03/09/23	TRN
Aldrin	ND	ug/Kg	5.0	1.3	1	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND	ug/Kg	5.0	1.8	1	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Dieldrin	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Endrin	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND	ug/Kg	5.0	1.1	1	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND	ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND	ug/Kg	10	5.0	1	309255	03/08/23	03/09/23	TRN
Toxaphene	ND	ug/Kg	100	15	1	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND	ug/Kg	50	11	1	309255	03/08/23	03/09/23	TRN

Surrogates

Limits

TCMX	67%	%REC	23-120		1	309255	03/08/23	03/09/23	TRN	
Decachlorobiphenyl	123%	*	%REC	24-120		1	309255	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	50	14	1	309255	03/08/23	03/09/23	TRN
Aroclor-1221	ND	ug/Kg	50	23	1	309255	03/08/23	03/09/23	TRN
Aroclor-1232	ND	ug/Kg	50	18	1	309255	03/08/23	03/09/23	TRN
Aroclor-1242	ND	ug/Kg	50	18	1	309255	03/08/23	03/09/23	TRN
Aroclor-1248	ND	ug/Kg	50	21	1	309255	03/08/23	03/09/23	TRN
Aroclor-1254	ND	ug/Kg	50	6.5	1	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/Kg	50	24	1	309255	03/08/23	03/09/23	TRN
Aroclor-1262	ND	ug/Kg	50	16	1	309255	03/08/23	03/09/23	TRN
Aroclor-1268	ND	ug/Kg	50	13	1	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-027 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	113%		%REC	19-121		1	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B6-3	Lab ID: 480909-028	Collected: 03/04/23 10:22
	Matrix: Soil	

480909-028 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.1		mg/Kg	0.99	0.43	0.99	309166	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.9		mg/Kg	0.99	0.20	0.99	309167	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	309255	03/08/23	03/09/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	309255	03/08/23	03/09/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	309255	03/08/23	03/09/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	309255	03/08/23	03/09/23	TRN
Surrogates										
Limits										
TCMX	72%		%REC	23-120		0.99	309255	03/08/23	03/09/23	TRN
Decachlorobiphenyl	125%	*	%REC	24-120		0.99	309255	03/08/23	03/09/23	TRN
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1221	ND		ug/Kg	50	22	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1232	ND		ug/Kg	50	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1242	ND		ug/Kg	50	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1248	ND		ug/Kg	50	21	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1254	ND		ug/Kg	50	6.5	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND		ug/Kg	50	24	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1262	ND		ug/Kg	50	16	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1268	ND		ug/Kg	50	13	0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-028 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	117%		%REC	19-121		0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B5-0.5	Lab ID: 480909-030	Collected: 03/04/23 10:33
Matrix: Soil		

480909-030 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.8		mg/Kg	0.97	0.42	0.97	309173	03/07/23	03/09/23	SBW

Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	2.3		mg/Kg	0.97	0.20	0.97	309171	03/07/23	03/08/23	JCP

Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	309154	03/07/23	03/08/23	MES

Surrogates	Limits								
TCMX	83%	%REC	23-120		1	309154	03/07/23	03/08/23	MES
Decachlorobiphenyl	86%	%REC	24-120		1	309154	03/07/23	03/08/23	MES

Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	50	19	1	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	1	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-030 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	97%		%REC	19-121	6.4	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B5-3	Lab ID: 480909-031	Collected: 03/04/23 10:33
	Matrix: Soil	

480909-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.1		mg/Kg	0.95	0.41	0.95	309173	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.9		mg/Kg	0.97	0.20	0.97	309171	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.98	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	4.9	1.6	0.98	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.98	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.98	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.98	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.98	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.98	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.98	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.98	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.98	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.98	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.98	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.98	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.98	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.98	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.98	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.98	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	9.8	5.0	0.98	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	98	15	0.98	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.98	309154	03/07/23	03/08/23	MES
Surrogates										
Limits										
TCMX	82%		%REC	23-120		0.98	309154	03/07/23	03/08/23	MES
Decachlorobiphenyl	90%		%REC	24-120		0.98	309154	03/07/23	03/08/23	MES
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49	14	0.98	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	49	22	0.98	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	49	18	0.98	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	49	18	0.98	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	49	21	0.98	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	49	6.5	0.98	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	49	24	0.98	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	49	16	0.98	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	49	13	0.98	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	101%		%REC	19-121	6.2	0.98	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B3-0.5	Lab ID: 480909-033	Collected: 03/04/23 10:45
	Matrix: Soil	

480909-033 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	77		mg/Kg	0.98	0.42	0.98	309173	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	20		mg/Kg	0.97	0.20	0.97	309171	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	309154	03/07/23	03/08/23	MES
Surrogates										
Limits										
TCMX	77%		%REC	23-120		0.99	309154	03/07/23	03/08/23	MES
Decachlorobiphenyl	81%		%REC	24-120		0.99	309154	03/07/23	03/08/23	MES
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49	14	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	49	22	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	49	18	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	49	18	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	49	21	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1254	25	J	ug/Kg	49	15	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	49	24	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	49	16	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	49	13	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-033 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	91%		%REC	19-121	6.3	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B3-3	Lab ID: 480909-034	Collected: 03/04/23 10:45
	Matrix: Soil	

480909-034 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.4		mg/Kg	0.96	0.42	0.96	309173	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.9		mg/Kg	0.97	0.20	0.97	309171	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	0.98	0.99	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.4	0.99	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.2	0.99	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.7	0.99	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	0.99	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.5	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.5	0.99	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	0.92	0.99	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.2	0.99	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.5	0.99	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.7	0.99	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	9.9	2.3	0.99	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	99	31	0.99	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	9.1	0.99	309154	03/07/23	03/08/23	MES
Surrogates										
Limits										
TCMX	75%	%REC	23-120		0.99	309154	03/07/23	03/08/23	MES	
Decachlorobiphenyl	75%	%REC	24-120		0.99	309154	03/07/23	03/08/23	MES	
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	50	11	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	50	11	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	50	16	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	50	17	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	50	15	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	50	23	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	50	13	0.99	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	50	14	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-034 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	81%		%REC	19-121	6.1	0.99	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B4-0.5	Lab ID: 480909-036	Collected: 03/04/23 10:51
Matrix: Soil		

480909-036 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.2		mg/Kg	0.96	0.42	0.96	309173	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	27		mg/Kg	0.97	0.20	0.97	309171	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	0.99	1	309154	03/07/23	03/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	309154	03/07/23	03/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.2	1	309154	03/07/23	03/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
Endrin	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	1	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	0.93	1	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.2	1	309154	03/07/23	03/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Methoxychlor	ND		ug/Kg	10	2.3	1	309154	03/07/23	03/08/23	MES
Toxaphene	ND		ug/Kg	100	31	1	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	9.1	1	309154	03/07/23	03/08/23	MES
Surrogates										
Limits										
TCMX	78%	%REC	23-120		1	309154	03/07/23	03/08/23	MES	
Decachlorobiphenyl	78%	%REC	24-120		1	309154	03/07/23	03/08/23	MES	
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	1	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND		ug/Kg	50	11	1	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND		ug/Kg	50	11	1	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND		ug/Kg	50	16	1	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND		ug/Kg	50	17	1	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND		ug/Kg	50	16	1	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND		ug/Kg	50	23	1	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND		ug/Kg	50	13	1	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND		ug/Kg	50	14	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-036 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	85%		%REC	19-121	6.1	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B4-3	Lab ID: 480909-037	Collected: 03/04/23 10:51
	Matrix: Soil	

480909-037 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	4.3	mg/Kg	1.0	0.43	1	309173	03/07/23	03/09/23	SBW
------	-----	-------	-----	------	---	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	1.9	mg/Kg	0.97	0.20	0.97	309171	03/07/23	03/08/23	JCP
---------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	5.0	1.2	1	309154	03/07/23	03/08/23	MES
beta-BHC	ND	ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
gamma-BHC	ND	ug/Kg	5.0	1.0	1	309154	03/07/23	03/08/23	MES
delta-BHC	ND	ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Heptachlor	ND	ug/Kg	5.0	1.5	1	309154	03/07/23	03/08/23	MES
Aldrin	ND	ug/Kg	5.0	1.3	1	309154	03/07/23	03/08/23	MES
Heptachlor epoxide	ND	ug/Kg	5.0	1.8	1	309154	03/07/23	03/08/23	MES
Endosulfan I	ND	ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Dieldrin	ND	ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDE	ND	ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Endrin	ND	ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan II	ND	ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
Endosulfan sulfate	ND	ug/Kg	5.0	1.6	1	309154	03/07/23	03/08/23	MES
4,4'-DDD	ND	ug/Kg	5.0	1.1	1	309154	03/07/23	03/08/23	MES
Endrin aldehyde	ND	ug/Kg	5.0	1.7	1	309154	03/07/23	03/08/23	MES
Endrin ketone	ND	ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
4,4'-DDT	ND	ug/Kg	5.0	1.4	1	309154	03/07/23	03/08/23	MES
Methoxychlor	ND	ug/Kg	10	5.0	1	309154	03/07/23	03/08/23	MES
Toxaphene	ND	ug/Kg	100	15	1	309154	03/07/23	03/08/23	MES
Chlordane (Technical)	ND	ug/Kg	50	11	1	309154	03/07/23	03/08/23	MES

Surrogates	Limits								
TCMX	84%	%REC	23-120		1	309154	03/07/23	03/08/23	MES
Decachlorobiphenyl	101%	%REC	24-120		1	309154	03/07/23	03/08/23	MES

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	50	14	1	309154	03/07/23	03/08/23	MES
Aroclor-1221	ND	ug/Kg	50	23	1	309154	03/07/23	03/08/23	MES
Aroclor-1232	ND	ug/Kg	50	18	1	309154	03/07/23	03/08/23	MES
Aroclor-1242	ND	ug/Kg	50	18	1	309154	03/07/23	03/08/23	MES
Aroclor-1248	ND	ug/Kg	50	21	1	309154	03/07/23	03/08/23	MES
Aroclor-1254	ND	ug/Kg	50	6.6	1	309154	03/07/23	03/08/23	MES
Aroclor-1260	ND	ug/Kg	50	24	1	309154	03/07/23	03/08/23	MES
Aroclor-1262	ND	ug/Kg	50	16	1	309154	03/07/23	03/08/23	MES
Aroclor-1268	ND	ug/Kg	50	13	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

480909-037 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	114%		%REC	19-121	6.3	1	309154	03/07/23	03/08/23	MES

Analysis Results for 480909

Sample ID: B1-0.5	Lab ID: 480909-039	Collected: 03/04/23 11:06
	Matrix: Soil	

480909-039 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	4.6	mg/Kg	0.95	0.41	0.95	309173	03/07/23	03/09/23	SBW
------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	3.1	mg/Kg	0.97	0.20	0.97	309171	03/07/23	03/08/23	JCP
---------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	4.9	1.2	0.99	309255	03/08/23	03/09/23	TRN
beta-BHC	ND	ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND	ug/Kg	4.9	1.0	0.99	309255	03/08/23	03/09/23	TRN
delta-BHC	ND	ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor	ND	ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Aldrin	ND	ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND	ug/Kg	4.9	1.8	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Dieldrin	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Endrin	ND	ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND	ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND	ug/Kg	4.9	1.6	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND	ug/Kg	4.9	1.1	0.99	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND	ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND	ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN
Toxaphene	ND	ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND	ug/Kg	49	11	0.99	309255	03/08/23	03/09/23	TRN

Surrogates	Limits									
TCMX	86%	%REC	23-120		0.99	309255	03/08/23	03/09/23	TRN	
Decachlorobiphenyl	141%	*	%REC	24-120		0.99	309255	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	49	14	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1221	ND	ug/Kg	49	22	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1232	ND	ug/Kg	49	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1242	ND	ug/Kg	49	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1248	ND	ug/Kg	49	21	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1254	ND	ug/Kg	49	6.5	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/Kg	49	24	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1262	ND	ug/Kg	49	16	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1268	ND	ug/Kg	49	13	0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-039 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	130%	*	%REC	19-121		0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B1-3	Lab ID: 480909-040	Collected: 03/04/23 11:06
	Matrix: Soil	

480909-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	4.3	mg/Kg	0.98	0.42	0.98	309173	03/07/23	03/09/23	SBW
------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	1.8	mg/Kg	0.98	0.20	0.98	309171	03/07/23	03/08/23	JCP
---------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	5.0	1.2	1	309255	03/08/23	03/09/23	TRN
beta-BHC	ND	ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND	ug/Kg	5.0	1.0	1	309255	03/08/23	03/09/23	TRN
delta-BHC	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Heptachlor	ND	ug/Kg	5.0	1.5	1	309255	03/08/23	03/09/23	TRN
Aldrin	ND	ug/Kg	5.0	1.3	1	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND	ug/Kg	5.0	1.8	1	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Dieldrin	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Endrin	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND	ug/Kg	5.0	1.1	1	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND	ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND	ug/Kg	10	5.1	1	309255	03/08/23	03/09/23	TRN
Toxaphene	ND	ug/Kg	100	15	1	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND	ug/Kg	50	11	1	309255	03/08/23	03/09/23	TRN

Surrogates	Limits									
TCMX	76%	%REC	23-120		1	309255	03/08/23	03/09/23	TRN	
Decachlorobiphenyl	145%	*	%REC	24-120		1	309255	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	50	14	1	309255	03/08/23	03/09/23	TRN
Aroclor-1221	ND	ug/Kg	50	23	1	309255	03/08/23	03/09/23	TRN
Aroclor-1232	ND	ug/Kg	50	19	1	309255	03/08/23	03/09/23	TRN
Aroclor-1242	ND	ug/Kg	50	18	1	309255	03/08/23	03/09/23	TRN
Aroclor-1248	ND	ug/Kg	50	21	1	309255	03/08/23	03/09/23	TRN
Aroclor-1254	ND	ug/Kg	50	6.6	1	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/Kg	50	24	1	309255	03/08/23	03/09/23	TRN
Aroclor-1262	ND	ug/Kg	50	16	1	309255	03/08/23	03/09/23	TRN
Aroclor-1268	ND	ug/Kg	50	13	1	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	129%	*	%REC	19-121		1	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B1-5	Lab ID: 480909-041	Collected: 03/04/23 11:06
	Matrix: Soil	

480909-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	3.4	mg/Kg	0.99	0.43	0.99	309173	03/07/23	03/09/23	SBW
------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	1.3	mg/Kg	0.97	0.20	0.97	309171	03/07/23	03/08/23	JCP
---------	-----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	5.0	1.2	1	309255	03/08/23	03/09/23	TRN
beta-BHC	ND	ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND	ug/Kg	5.0	1.0	1	309255	03/08/23	03/09/23	TRN
delta-BHC	ND	ug/Kg	5.0	1.3	1	309255	03/08/23	03/09/23	TRN
Heptachlor	ND	ug/Kg	5.0	1.5	1	309255	03/08/23	03/09/23	TRN
Aldrin	ND	ug/Kg	5.0	1.3	1	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND	ug/Kg	5.0	1.8	1	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Dieldrin	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Endrin	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND	ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND	ug/Kg	5.0	1.1	1	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND	ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND	ug/Kg	10	5.0	1	309255	03/08/23	03/09/23	TRN
Toxaphene	ND	ug/Kg	100	15	1	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND	ug/Kg	50	11	1	309255	03/08/23	03/09/23	TRN

Surrogates	Limits									
TCMX	78%	%REC	23-120		1	309255	03/08/23	03/09/23	TRN	
Decachlorobiphenyl	132%	*	%REC	24-120		1	309255	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	50	14	1	309255	03/08/23	03/09/23	TRN
Aroclor-1221	ND	ug/Kg	50	23	1	309255	03/08/23	03/09/23	TRN
Aroclor-1232	ND	ug/Kg	50	18	1	309255	03/08/23	03/09/23	TRN
Aroclor-1242	ND	ug/Kg	50	18	1	309255	03/08/23	03/09/23	TRN
Aroclor-1248	ND	ug/Kg	50	21	1	309255	03/08/23	03/09/23	TRN
Aroclor-1254	ND	ug/Kg	50	6.5	1	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/Kg	50	24	1	309255	03/08/23	03/09/23	TRN
Aroclor-1262	ND	ug/Kg	50	16	1	309255	03/08/23	03/09/23	TRN
Aroclor-1268	ND	ug/Kg	50	13	1	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	123%	*	%REC	19-121		1	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B2-0.5	Lab ID: 480909-042	Collected: 03/04/23 11:18
Matrix: Soil		

480909-042 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	20	mg/Kg	1.0	0.43	1	309173	03/07/23	03/09/23	SBW
------	----	-------	-----	------	---	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	1.9	mg/Kg	1.0	0.21	1	309171	03/07/23	03/08/23	JCP
---------	-----	-------	-----	------	---	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	5.0	1.2	0.99	309255	03/08/23	03/09/23	TRN	
beta-BHC	ND	ug/Kg	5.0	1.7	0.99	309255	03/08/23	03/09/23	TRN	
gamma-BHC	ND	ug/Kg	5.0	1.0	0.99	309255	03/08/23	03/09/23	TRN	
delta-BHC	ND	ug/Kg	5.0	1.3	0.99	309255	03/08/23	03/09/23	TRN	
Heptachlor	ND	ug/Kg	5.0	1.5	0.99	309255	03/08/23	03/09/23	TRN	
Aldrin	ND	ug/Kg	5.0	1.3	0.99	309255	03/08/23	03/09/23	TRN	
Heptachlor epoxide	ND	ug/Kg	5.0	1.8	0.99	309255	03/08/23	03/09/23	TRN	
Endosulfan I	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN	
Dieldrin	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN	
4,4'-DDE	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN	
Endrin	ND	ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN	
Endosulfan II	ND	ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN	
Endosulfan sulfate	ND	ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN	
4,4'-DDD	ND	ug/Kg	5.0	1.1	0.99	309255	03/08/23	03/09/23	TRN	
Endrin aldehyde	ND	ug/Kg	5.0	1.7	0.99	309255	03/08/23	03/09/23	TRN	
Endrin ketone	1.7	C,J	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN	
Methoxychlor	ND	ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN	
Toxaphene	ND	ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN	
Chlordane (Technical)	ND	ug/Kg	50	11	0.99	309255	03/08/23	03/09/23	TRN	

Surrogates	Limits									
TCMX	90%	%REC	23-120		0.99	309255	03/08/23	03/09/23	TRN	
Decachlorobiphenyl	135%	*	%REC	24-120		0.99	309255	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	50	14	0.99	309255	03/08/23	03/09/23	TRN	
Aroclor-1221	ND	ug/Kg	50	23	0.99	309255	03/08/23	03/09/23	TRN	
Aroclor-1232	ND	ug/Kg	50	18	0.99	309255	03/08/23	03/09/23	TRN	
Aroclor-1242	ND	ug/Kg	50	18	0.99	309255	03/08/23	03/09/23	TRN	
Aroclor-1248	ND	ug/Kg	50	21	0.99	309255	03/08/23	03/09/23	TRN	
Aroclor-1254	35	J	ug/Kg	50	6.5	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/Kg	50	24	0.99	309255	03/08/23	03/09/23	TRN	
Aroclor-1262	ND	ug/Kg	50	16	0.99	309255	03/08/23	03/09/23	TRN	
Aroclor-1268	ND	ug/Kg	50	13	0.99	309255	03/08/23	03/09/23	TRN	

Analysis Results for 480909

480909-042 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	130%	*	%REC	19-121		0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B2-3	Lab ID: 480909-043	Collected: 03/04/23 11:20
	Matrix: Soil	

480909-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3050B

Lead	20	mg/Kg	0.97	0.42	0.97	309173	03/07/23	03/09/23	SBW
------	----	-------	------	------	------	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 3050B

Arsenic	2.5	mg/Kg	1.0	0.21	1	309171	03/07/23	03/08/23	JCP
---------	-----	-------	-----	------	---	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3546

alpha-BHC	ND	ug/Kg	4.9	1.2	0.99	309255	03/08/23	03/09/23	TRN	
beta-BHC	ND	ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN	
gamma-BHC	ND	ug/Kg	4.9	1.0	0.99	309255	03/08/23	03/09/23	TRN	
delta-BHC	ND	ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN	
Heptachlor	ND	ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN	
Aldrin	ND	ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN	
Heptachlor epoxide	ND	ug/Kg	4.9	1.8	0.99	309255	03/08/23	03/09/23	TRN	
Endosulfan I	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN	
Dieldrin	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN	
4,4'-DDE	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN	
Endrin	ND	ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN	
Endosulfan II	ND	ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN	
Endosulfan sulfate	ND	ug/Kg	4.9	1.6	0.99	309255	03/08/23	03/09/23	TRN	
4,4'-DDD	ND	ug/Kg	4.9	1.1	0.99	309255	03/08/23	03/09/23	TRN	
Endrin aldehyde	ND	ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN	
Endrin ketone	1.7	C,J	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN	
Methoxychlor	ND	ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN	
Toxaphene	ND	ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN	
Chlordane (Technical)	ND	ug/Kg	49	11	0.99	309255	03/08/23	03/09/23	TRN	

Surrogates

Limits

TCMX	78%	%REC	23-120	0.99	309255	03/08/23	03/09/23	TRN	
Decachlorobiphenyl	141%	*	%REC	24-120	0.99	309255	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND	ug/Kg	49	14	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1221	ND	ug/Kg	49	22	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1232	ND	ug/Kg	49	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1242	ND	ug/Kg	49	18	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1248	ND	ug/Kg	49	21	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1254	ND	ug/Kg	49	6.5	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/Kg	49	24	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1262	ND	ug/Kg	49	16	0.99	309255	03/08/23	03/09/23	TRN
Aroclor-1268	ND	ug/Kg	49	13	0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	134%	*	%REC	19-121		0.99	309255	03/08/23	03/09/23	TRN

Sample ID: B19-0.5

Lab ID: 480909-045

Collected: 03/04/23 11:40

Matrix: Soil

480909-045 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	309410	03/10/23	03/11/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	309410	03/10/23	03/11/23	MES
Aroclor-1232	ND		ug/Kg	50	19	1	309410	03/10/23	03/11/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	309410	03/10/23	03/11/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	309410	03/10/23	03/11/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	1	309410	03/10/23	03/11/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	309410	03/10/23	03/11/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	309410	03/10/23	03/11/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	309410	03/10/23	03/11/23	MES
Surrogates	Limits									
Decachlorobiphenyl (PCB)	66%		%REC	19-121	6.4	1	309410	03/10/23	03/11/23	MES

Sample ID: B19-3

Lab ID: 480909-046

Collected: 03/04/23 11:40

Matrix: Soil

480909-046 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082										
Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49	14	0.98	309410	03/10/23	03/11/23	MES
Aroclor-1221	ND		ug/Kg	49	22	0.98	309410	03/10/23	03/11/23	MES
Aroclor-1232	ND		ug/Kg	49	18	0.98	309410	03/10/23	03/11/23	MES
Aroclor-1242	ND		ug/Kg	49	18	0.98	309410	03/10/23	03/11/23	MES
Aroclor-1248	ND		ug/Kg	49	21	0.98	309410	03/10/23	03/11/23	MES
Aroclor-1254	ND		ug/Kg	49	6.5	0.98	309410	03/10/23	03/11/23	MES
Aroclor-1260	ND		ug/Kg	49	24	0.98	309410	03/10/23	03/11/23	MES
Aroclor-1262	ND		ug/Kg	49	16	0.98	309410	03/10/23	03/11/23	MES
Aroclor-1268	ND		ug/Kg	49	13	0.98	309410	03/10/23	03/11/23	MES
Surrogates	Limits									
Decachlorobiphenyl (PCB)	70%		%REC	19-121	6.2	0.98	309410	03/10/23	03/11/23	MES

Analysis Results for 480909

Sample ID: B17-0.5			Lab ID: 480909-048			Collected: 03/04/23 12:06				
480909-048 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.1		mg/Kg	0.97	0.42	0.97	309173	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.7		mg/Kg	0.99	0.20	0.99	309171	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	309255	03/08/23	03/09/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	309255	03/08/23	03/09/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	309255	03/08/23	03/09/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	309255	03/08/23	03/09/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	309255	03/08/23	03/09/23	TRN
Surrogates		Limits								
TCMX	75%		%REC	23-120		1	309255	03/08/23	03/09/23	TRN
Decachlorobiphenyl	130%	*	%REC	24-120		1	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B17-0.5 DUP	Lab ID: 480909-049	Collected: 03/04/23 12:06
	Matrix: Soil	

480909-049 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.6		mg/Kg	0.96	0.42	0.96	309173	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	12		mg/Kg	0.97	0.20	0.97	309171	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	309255	03/08/23	03/09/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	309255	03/08/23	03/09/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	309255	03/08/23	03/09/23	TRN
Surrogates		Limits								
TCMX	90%		%REC	23-120		0.99	309255	03/08/23	03/09/23	TRN
Decachlorobiphenyl	128%	*	%REC	24-120		0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B17-3			Lab ID: 480909-050			Collected: 03/04/23 12:06				
480909-050 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	3.7		mg/Kg	0.99	0.43	0.99	309173	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.4		mg/Kg	1.0	0.21	1	309171	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	309255	03/08/23	03/09/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	309255	03/08/23	03/09/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	309255	03/08/23	03/09/23	TRN
Surrogates		Limits								
TCMX	104%		%REC	23-120		0.99	309255	03/08/23	03/09/23	TRN
Decachlorobiphenyl	162%	*	%REC	24-120		0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B18-0.5			Lab ID: 480909-052			Collected: 03/04/23 12:28				
			Matrix: Soil							
480909-052 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.8		mg/Kg	0.99	0.43	0.99	309173	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.8		mg/Kg	0.96	0.20	0.96	309171	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	309255	03/08/23	03/09/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	309255	03/08/23	03/09/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	309255	03/08/23	03/09/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	309255	03/08/23	03/09/23	TRN
Surrogates		Limits								
TCMX	92%		%REC	23-120		0.99	309255	03/08/23	03/09/23	TRN
Decachlorobiphenyl	148%	*	%REC	24-120		0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B18-3			Lab ID: 480909-053			Collected: 03/04/23 12:28				
480909-053 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.3		mg/Kg	0.97	0.42	0.97	309173	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.5		mg/Kg	1.0	0.21	1	309171	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	309255	03/08/23	03/09/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	309255	03/08/23	03/09/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	309255	03/08/23	03/09/23	TRN
Surrogates		Limits								
TCMX	81%		%REC	23-120		0.99	309255	03/08/23	03/09/23	TRN
Decachlorobiphenyl	131%	*	%REC	24-120		0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B16-0.5			Lab ID: 480909-055			Collected: 03/04/23 12:19				
480909-055 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	4.9		mg/Kg	0.99	0.43	0.99	309173	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	27		mg/Kg	0.96	0.20	0.96	309171	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	309255	03/08/23	03/09/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	309255	03/08/23	03/09/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	309255	03/08/23	03/09/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	309255	03/08/23	03/09/23	TRN
Surrogates		Limits								
TCMX	84%		%REC	23-120		0.99	309255	03/08/23	03/09/23	TRN
Decachlorobiphenyl	156%	*	%REC	24-120		0.99	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: B16-3			Lab ID: 480909-056			Collected: 03/04/23 12:19				
480909-056 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	2.9		mg/Kg	0.99	0.43	0.99	309173	03/07/23	03/09/23	SBW
Method: EPA 6020										
Prep Method: EPA 3050B										
Arsenic	1.2		mg/Kg	0.96	0.20	0.96	309171	03/07/23	03/08/23	JCP
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	309255	03/08/23	03/09/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	309255	03/08/23	03/09/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	309255	03/08/23	03/09/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	309255	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	309255	03/08/23	03/09/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	309255	03/08/23	03/09/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	309255	03/08/23	03/09/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	309255	03/08/23	03/09/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	309255	03/08/23	03/09/23	TRN
Methoxychlor	ND		ug/Kg	10	5.0	1	309255	03/08/23	03/09/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	309255	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	309255	03/08/23	03/09/23	TRN
Surrogates		Limits								
TCMX	82%		%REC	23-120		1	309255	03/08/23	03/09/23	TRN
Decachlorobiphenyl	144%	*	%REC	24-120		1	309255	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: EQB-1	Lab ID: 480909-058	Collected: 03/04/23 12:27
Matrix: Water		

480909-058 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										

Prep Method: EPA 3010A

Lead	ND	mg/L	0.010	0.0036	1	309362	03/09/23	03/10/23	SBW
------	----	------	-------	--------	---	--------	----------	----------	-----

Method: EPA 6020

Prep Method: EPA 200.8

Arsenic	0.29	J	ug/L	2.0	0.22	1	309337	03/09/23	03/09/23	THP
---------	------	---	------	-----	------	---	--------	----------	----------	-----

Method: EPA 8081A

Prep Method: EPA 3510C

alpha-BHC	ND	ug/L	0.05	0.01	0.93	309267	03/08/23	03/09/23	TRN
beta-BHC	ND	ug/L	0.05	0.008	0.93	309267	03/08/23	03/09/23	TRN
gamma-BHC	ND	ug/L	0.05	0.01	0.93	309267	03/08/23	03/09/23	TRN
delta-BHC	ND	ug/L	0.05	0.007	0.93	309267	03/08/23	03/09/23	TRN
Heptachlor	ND	ug/L	0.05	0.01	0.93	309267	03/08/23	03/09/23	TRN
Aldrin	ND	ug/L	0.05	0.02	0.93	309267	03/08/23	03/09/23	TRN
Heptachlor epoxide	ND	ug/L	0.05	0.01	0.93	309267	03/08/23	03/09/23	TRN
Endosulfan I	ND	ug/L	0.05	0.01	0.93	309267	03/08/23	03/09/23	TRN
Dieldrin	ND	ug/L	0.09	0.01	0.93	309267	03/08/23	03/09/23	TRN
4,4'-DDE	ND	ug/L	0.09	0.01	0.93	309267	03/08/23	03/09/23	TRN
Endrin	ND	ug/L	0.09	0.01	0.93	309267	03/08/23	03/09/23	TRN
Endosulfan II	ND	ug/L	0.09	0.02	0.93	309267	03/08/23	03/09/23	TRN
Endosulfan sulfate	ND	ug/L	0.09	0.02	0.93	309267	03/08/23	03/09/23	TRN
4,4'-DDD	ND	ug/L	0.09	0.03	0.93	309267	03/08/23	03/09/23	TRN
Endrin aldehyde	ND	ug/L	0.09	0.02	0.93	309267	03/08/23	03/09/23	TRN
Endrin ketone	ND	ug/L	0.09	0.02	0.93	309267	03/08/23	03/09/23	TRN
4,4'-DDT	ND	ug/L	0.09	0.02	0.93	309267	03/08/23	03/09/23	TRN
Methoxychlor	ND	ug/L	0.2	0.02	0.93	309267	03/08/23	03/09/23	TRN
Toxaphene	ND	ug/L	1.9	0.3	0.93	309267	03/08/23	03/09/23	TRN
Chlordane (Technical)	ND	ug/L	0.9	0.3	0.93	309267	03/08/23	03/09/23	TRN

Surrogates	Limits							
TCMX	71%	%REC	14-120	0.93	309267	03/08/23	03/09/23	TRN
Decachlorobiphenyl	82%	%REC	20-120	0.93	309267	03/08/23	03/09/23	TRN

Method: EPA 8082

Prep Method: EPA 3510C

Aroclor-1016	ND	ug/L	0.47	0.14	0.93	309267	03/08/23	03/09/23	TRN
Aroclor-1221	ND	ug/L	0.47	0.47	0.93	309267	03/08/23	03/09/23	TRN
Aroclor-1232	ND	ug/L	0.47	0.47	0.93	309267	03/08/23	03/09/23	TRN
Aroclor-1242	ND	ug/L	0.47	0.16	0.93	309267	03/08/23	03/09/23	TRN
Aroclor-1248	ND	ug/L	0.47	0.47	0.93	309267	03/08/23	03/09/23	TRN
Aroclor-1254	ND	ug/L	0.47	0.25	0.93	309267	03/08/23	03/09/23	TRN
Aroclor-1260	ND	ug/L	0.47	0.19	0.93	309267	03/08/23	03/09/23	TRN
Aroclor-1262	ND	ug/L	0.47	0.47	0.93	309267	03/08/23	03/09/23	TRN
Aroclor-1268	ND	ug/L	0.47	0.11	0.93	309267	03/08/23	03/09/23	TRN

Analysis Results for 480909

480909-058 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates	Limits									
Decachlorobiphenyl (PCB)	81%		%REC	18-126		0.93	309267	03/08/23	03/09/23	TRN

Analysis Results for 480909

Sample ID: TB	Lab ID: 480909-059	Collected: 03/04/23
	Matrix: Water	

480909-059 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B										
Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.7	1	309066	03/07/23	03/07/23	EJB
Freon 12	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	309066	03/07/23	03/07/23	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	309066	03/07/23	03/07/23	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Acetone	ND		ug/L	100	6.8	1	309066	03/07/23	03/07/23	EJB
Freon 113	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Methylene Chloride	4.5	J	ug/L	5.0	2.9	1	309066	03/07/23	03/07/23	EJB
MTBE	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
2-Butanone	ND		ug/L	100	0.8	1	309066	03/07/23	03/07/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Chloroform	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Bromochloromethane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Benzene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Bromodichloromethane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Dibromomethane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.7	1	309066	03/07/23	03/07/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Toluene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Dibromochloromethane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Chlorobenzene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Ethylbenzene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB

Analysis Results for 480909

480909-059 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/L	10	0.4	1	309066	03/07/23	03/07/23	EJB
o-Xylene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Styrene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Bromoform	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Isopropylbenzene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Bromobenzene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
n-Butylbenzene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	309066	03/07/23	03/07/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	309066	03/07/23	03/07/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	309066	03/07/23	03/07/23	EJB
Xylene (total)	ND		ug/L	5.0		1	309066	03/07/23	03/07/23	EJB
Surrogates		Limits								
Dibromofluoromethane	107%	%REC	70-140	1.7	1	309066	03/07/23	03/07/23	EJB	
1,2-Dichloroethane-d4	116%	%REC	70-140		1	309066	03/07/23	03/07/23	EJB	
Toluene-d8	102%	%REC	70-140	5.7	1	309066	03/07/23	03/07/23	EJB	
Bromofluorobenzene	95%	%REC	70-140		1	309066	03/07/23	03/07/23	EJB	

* Value is outside QC limits

C Presence confirmed, but RPD between columns exceeds 40%

J Estimated value

ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1051013	Batch: 309362
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1051013 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.010	0.0036	03/09/23	03/10/23

Type: Lab Control Sample	Lab ID: QC1051014	Batch: 309362
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1051014 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	0.4309	0.4000	mg/L	108%		80-120

Type: Matrix Spike	Lab ID: QC1051015	Batch: 309362
Matrix (Source ID): Water (481020-001)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1051015 Analyte	Result	Source	Spiked	Units	Recovery	Qual	Limits	DF
		Sample Result						
Lead	0.4407	ND	0.4000	mg/L	110%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1051016	Batch: 309362
Matrix (Source ID): Water (481020-001)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1051016 Analyte	Result	Source	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
		Sample Result								
Lead	0.4351	ND	0.4000	mg/L	109%		75-125	1	20	1

Type: Blank	Lab ID: QC1050406	Batch: 309166
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1050406 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	0.43	03/07/23	03/09/23

Type: Lab Control Sample	Lab ID: QC1050407	Batch: 309166
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1050407 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	103.6	100.0	mg/Kg	104%		80-120

Batch QC

Type: Matrix Spike Matrix (Source ID): Soil (480909-001)	Lab ID: QC1050408 Method: EPA 6010B	Batch: 309166 Prep Method: EPA 3050B
---	--	---

QC1050408 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	118.6	26.35	96.15	mg/Kg	96%		75-125	0.96

Type: Matrix Spike Duplicate Matrix (Source ID): Soil (480909-001)	Lab ID: QC1050409 Method: EPA 6010B	Batch: 309166 Prep Method: EPA 3050B
---	--	---

QC1050409 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	128.5	26.35	96.15	mg/Kg	106%		75-125	8	20	0.96

Type: Blank Matrix: Soil	Lab ID: QC1050441 Method: EPA 6010B	Batch: 309173 Prep Method: EPA 3050B
-----------------------------	--	---

QC1050441 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	0.43	03/07/23	03/09/23

Type: Lab Control Sample Matrix: Soil	Lab ID: QC1050442 Method: EPA 6010B	Batch: 309173 Prep Method: EPA 3050B
--	--	---

QC1050442 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	109.6	100.0	mg/Kg	110%		80-120

Type: Matrix Spike Matrix (Source ID): Soil (480909-030)	Lab ID: QC1050443 Method: EPA 6010B	Batch: 309173 Prep Method: EPA 3050B
---	--	---

QC1050443 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	103.2	4.765	96.15	mg/Kg	102%		75-125	0.96

Type: Matrix Spike Duplicate Matrix (Source ID): Soil (480909-030)	Lab ID: QC1050444 Method: EPA 6010B	Batch: 309173 Prep Method: EPA 3050B
---	--	---

QC1050444 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	101.9	4.765	96.15	mg/Kg	101%		75-125	1	20	0.96

Batch QC

Type: Blank Matrix: Water	Lab ID: QC1050913 Method: EPA 6020	Batch: 309337 Prep Method: EPA 200.8								
QC1050913 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed			
Arsenic	ND		ug/L	2.0	0.22	03/09/23	03/09/23			
Type: Lab Control Sample Matrix: Water	Lab ID: QC1050914 Method: EPA 6020	Batch: 309337 Prep Method: EPA 200.8								
QC1050914 Analyte	Result	Spiked	Units	Recovery	Qual	Limits				
Arsenic	100.4	100.0	ug/L	100%		80-120				
Type: Matrix Spike Matrix (Source ID): Water (480961-003)	Lab ID: QC1050915 Method: EPA 6020	Batch: 309337 Prep Method: EPA 200.8								
QC1050915 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF		
Arsenic	98.43	0.9985	100.0	ug/L	97%		75-125	1		
Type: Matrix Spike Duplicate Matrix (Source ID): Water (480961-003)	Lab ID: QC1050916 Method: EPA 6020	Batch: 309337 Prep Method: EPA 200.8								
QC1050916 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Arsenic	100.6	0.9985	100.0	ug/L	100%		75-125	2	20	1
Type: Blank Matrix: Soil	Lab ID: QC1050411 Method: EPA 6020	Batch: 309167 Prep Method: EPA 3050B								
QC1050411 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed			
Arsenic	ND		mg/Kg	1.0	0.21	03/07/23	03/08/23			
Type: Lab Control Sample Matrix: Soil	Lab ID: QC1050412 Method: EPA 6020	Batch: 309167 Prep Method: EPA 3050B								
QC1050412 Analyte	Result	Spiked	Units	Recovery	Qual	Limits				
Arsenic	97.26	100.0	mg/Kg	97%		80-120				

Batch QC

Type: Matrix Spike Matrix (Source ID): Soil (480909-001)	Lab ID: QC1050413 Method: EPA 6020	Batch: 309167 Prep Method: EPA 3050B
---	---------------------------------------	---

QC1050413 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	121.9	26.41	96.15	mg/Kg	99%		75-125	0.96

Type: Matrix Spike Duplicate Matrix (Source ID): Soil (480909-001)	Lab ID: QC1050414 Method: EPA 6020	Batch: 309167 Prep Method: EPA 3050B
---	---------------------------------------	---

QC1050414 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	122.5	26.41	96.15	mg/Kg	100%		75-125	0	20	0.96

Type: Blank Matrix: Soil	Lab ID: QC1050430 Method: EPA 6020	Batch: 309171 Prep Method: EPA 3050B
-----------------------------	---------------------------------------	---

QC1050430 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.21	03/07/23	03/08/23

Type: Lab Control Sample Matrix: Soil	Lab ID: QC1050431 Method: EPA 6020	Batch: 309171 Prep Method: EPA 3050B
--	---------------------------------------	---

QC1050431 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	99.40	100.0	mg/Kg	99%		80-120

Type: Matrix Spike Matrix (Source ID): Soil (480909-030)	Lab ID: QC1050432 Method: EPA 6020	Batch: 309171 Prep Method: EPA 3050B
---	---------------------------------------	---

QC1050432 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	93.84	2.306	96.15	mg/Kg	95%		75-125	0.96

Type: Matrix Spike Duplicate Matrix (Source ID): Soil (480909-030)	Lab ID: QC1050433 Method: EPA 6020	Batch: 309171 Prep Method: EPA 3050B
---	---------------------------------------	---

QC1050433 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	96.16	2.306	97.09	mg/Kg	97%		75-125	1	20	0.97

Batch QC

Type: Blank Matrix: Water	Lab ID: QC1050667				Batch: 309267		
QC1050667 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A							
Prep Method: EPA 3510C							
alpha-BHC	ND	ug/L	0.05	0.01	03/08/23	03/09/23	
beta-BHC	ND	ug/L	0.05	0.008	03/08/23	03/09/23	
gamma-BHC	ND	ug/L	0.05	0.01	03/08/23	03/09/23	
delta-BHC	ND	ug/L	0.05	0.007	03/08/23	03/09/23	
Heptachlor	ND	ug/L	0.05	0.01	03/08/23	03/09/23	
Aldrin	ND	ug/L	0.05	0.02	03/08/23	03/09/23	
Heptachlor epoxide	ND	ug/L	0.05	0.01	03/08/23	03/09/23	
Endosulfan I	ND	ug/L	0.05	0.01	03/08/23	03/09/23	
Dieldrin	ND	ug/L	0.1	0.01	03/08/23	03/09/23	
4,4'-DDE	ND	ug/L	0.1	0.01	03/08/23	03/09/23	
Endrin	ND	ug/L	0.1	0.02	03/08/23	03/09/23	
Endosulfan II	ND	ug/L	0.1	0.02	03/08/23	03/09/23	
Endosulfan sulfate	ND	ug/L	0.1	0.02	03/08/23	03/09/23	
4,4'-DDD	ND	ug/L	0.1	0.03	03/08/23	03/09/23	
Endrin aldehyde	ND	ug/L	0.1	0.02	03/08/23	03/09/23	
Endrin ketone	ND	ug/L	0.1	0.02	03/08/23	03/09/23	
4,4'-DDT	ND	ug/L	0.1	0.02	03/08/23	03/09/23	
Methoxychlor	ND	ug/L	0.2	0.03	03/08/23	03/09/23	
Toxaphene	ND	ug/L	2.0	0.3	03/08/23	03/09/23	
Chlordane (Technical)	ND	ug/L	1.0	0.3	03/08/23	03/09/23	
Surrogates							
Limits							
TCMX	71%	%REC	14-120		03/08/23	03/09/23	
Decachlorobiphenyl	73%	%REC	20-120		03/08/23	03/09/23	
Method: EPA 8082							
Prep Method: EPA 3510C							
Aroclor-1016	ND	ug/L	0.50	0.15	03/08/23	03/09/23	
Aroclor-1221	ND	ug/L	0.50	0.50	03/08/23	03/09/23	
Aroclor-1232	ND	ug/L	0.50	0.50	03/08/23	03/09/23	
Aroclor-1242	ND	ug/L	0.50	0.17	03/08/23	03/09/23	
Aroclor-1248	ND	ug/L	0.50	0.50	03/08/23	03/09/23	
Aroclor-1254	ND	ug/L	0.50	0.27	03/08/23	03/09/23	
Aroclor-1260	ND	ug/L	0.50	0.20	03/08/23	03/09/23	
Aroclor-1262	ND	ug/L	0.50	0.50	03/08/23	03/09/23	
Aroclor-1268	ND	ug/L	0.50	0.12	03/08/23	03/09/23	
Surrogates							
Limits							
Decachlorobiphenyl (PCB)	71%	%REC	18-126		03/08/23	03/09/23	

Batch QC

Type: Lab Control Sample	Lab ID: QC1050668	Batch: 309267				
Matrix: Water	Method: EPA 8081A	Prep Method: EPA 3510C				
QC1050668 Analyte						
QC1050668 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5728	0.5000	ug/L	115%	*	53-120
beta-BHC	0.6107	0.5000	ug/L	122%	*	59-120
gamma-BHC	0.5859	0.5000	ug/L	117%		54-120
delta-BHC	0.6717	0.5000	ug/L	134%	*	58-120
Heptachlor	0.6071	0.5000	ug/L	121%	*	49-120
Aldrin	0.5981	0.5000	ug/L	120%		47-120
Heptachlor epoxide	0.6745	0.5000	ug/L	135%	*	53-120
Endosulfan I	0.7083	0.5000	ug/L	142%	*	56-120
Dieldrin	0.6720	0.5000	ug/L	134%	*	55-120
4,4'-DDE	0.7493	0.5000	ug/L	150%	*	55-120
Endrin	0.7050	0.5000	ug/L	141%	*	57-120
Endosulfan II	0.7701	0.5000	ug/L	154%	*	58-120
Endosulfan sulfate	0.7302	0.5000	ug/L	146%	*	56-120
4,4'-DDD	0.7977	0.5000	ug/L	160%	*	53-120
Endrin aldehyde	0.6628	0.5000	ug/L	133%	*	45-120
Endrin ketone	0.8047	0.5000	ug/L	161%	*	61-120
4,4'-DDT	0.7921	0.5000	ug/L	158%	*	58-120
Methoxychlor	0.8162	0.5000	ug/L	163%	*	54-120
Surrogates						
TCMX	0.4380	0.5000	ug/L	88%		14-120
Decachlorobiphenyl	0.7172	0.5000	ug/L	143%	*	20-120

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1050669	Batch: 309267
Matrix: Water	Method: EPA 8081A	Prep Method: EPA 3510C

QC1050669 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.6196	0.5000	ug/L	124%	*	53-120	8	20
beta-BHC	0.6737	0.5000	ug/L	135%	*	59-120	10	20
gamma-BHC	0.6378	0.5000	ug/L	128%	*	54-120	8	20
delta-BHC	0.7600	0.5000	ug/L	152%	*	58-120	12	20
Heptachlor	0.6747	0.5000	ug/L	135%	*	49-120	11	20
Aldrin	0.6721	0.5000	ug/L	134%	*	47-120	12	20
Heptachlor epoxide	0.7625	0.5000	ug/L	152%	*	53-120	12	20
Endosulfan I	0.7996	0.5000	ug/L	160%	*	56-120	12	20
Dieldrin	0.7669	0.5000	ug/L	153%	*	55-120	13	20
4,4'-DDE	0.8645	0.5000	ug/L	173%	*	55-120	14	20
Endrin	0.8022	0.5000	ug/L	160%	*	57-120	13	20
Endosulfan II	0.8726	0.5000	ug/L	175%	*	58-120	12	20
Endosulfan sulfate	0.8478	0.5000	ug/L	170%	*	56-120	15	20
4,4'-DDD	0.9248	0.5000	ug/L	185%	*	53-120	15	20
Endrin aldehyde	0.7477	0.5000	ug/L	150%	*	45-120	12	20
Endrin ketone	0.9153	0.5000	ug/L	183%	*	61-120	13	20
4,4'-DDT	0.8960	0.5000	ug/L	179%	*	58-120	12	20
Methoxychlor	0.9370	0.5000	ug/L	187%	*	54-120	14	20
Surrogates								
TCMX	0.4568	0.5000	ug/L	91%		14-120		
Decachlorobiphenyl	0.8238	0.5000	ug/L	165%	*	20-120		

Type: Lab Control Sample	Lab ID: QC1050670	Batch: 309267
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1050670 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.088	5.000	ug/L	82%		36-143
Aroclor-1260	4.349	5.000	ug/L	87%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.4142	0.5000	ug/L	83%		18-126

Type: Lab Control Sample Duplicate	Lab ID: QC1050671	Batch: 309267
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1050671 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	4.072	5.000	ug/L	81%		36-143	0	39
Aroclor-1260	4.462	5.000	ug/L	89%		31-153	3	20
Surrogates								
Decachlorobiphenyl (PCB)	0.4092	0.5000	ug/L	82%		18-126		

Batch QC

Type: Blank Matrix: Soil	Lab ID: QC1050353				Batch: 309154		
QC1050353 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A							
Prep Method: EPA 3546							
alpha-BHC	ND	ug/Kg	5.0	1.2	03/07/23	03/08/23	
beta-BHC	ND	ug/Kg	5.0	1.7	03/07/23	03/08/23	
gamma-BHC	ND	ug/Kg	5.0	1.0	03/07/23	03/08/23	
delta-BHC	ND	ug/Kg	5.0	1.4	03/07/23	03/08/23	
Heptachlor	ND	ug/Kg	5.0	1.5	03/07/23	03/08/23	
Aldrin	ND	ug/Kg	5.0	1.3	03/07/23	03/08/23	
Heptachlor epoxide	ND	ug/Kg	5.0	1.8	03/07/23	03/08/23	
Endosulfan I	ND	ug/Kg	5.0	1.4	03/07/23	03/08/23	
Dieldrin	ND	ug/Kg	5.0	1.4	03/07/23	03/08/23	
4,4'-DDE	ND	ug/Kg	5.0	1.4	03/07/23	03/08/23	
Endrin	ND	ug/Kg	5.0	1.6	03/07/23	03/08/23	
Endosulfan II	ND	ug/Kg	5.0	1.6	03/07/23	03/08/23	
Endosulfan sulfate	ND	ug/Kg	5.0	1.6	03/07/23	03/08/23	
4,4'-DDD	ND	ug/Kg	5.0	1.1	03/07/23	03/08/23	
Endrin aldehyde	ND	ug/Kg	5.0	1.7	03/07/23	03/08/23	
Endrin ketone	ND	ug/Kg	5.0	1.4	03/07/23	03/08/23	
4,4'-DDT	ND	ug/Kg	5.0	1.4	03/07/23	03/08/23	
Methoxychlor	ND	ug/Kg	10	5.0	03/07/23	03/08/23	
Toxaphene	ND	ug/Kg	100	15	03/07/23	03/08/23	
Chlordane (Technical)	ND	ug/Kg	50	11	03/07/23	03/08/23	
Surrogates							
Limits							
TCMX	85%	%REC	23-120		03/07/23	03/08/23	
Decachlorobiphenyl	82%	%REC	24-120		03/07/23	03/08/23	
Method: EPA 8082							
Prep Method: EPA 3546							
Aroclor-1016	ND	ug/Kg	50	14	03/07/23	03/08/23	
Aroclor-1221	ND	ug/Kg	50	23	03/07/23	03/08/23	
Aroclor-1232	ND	ug/Kg	50	18	03/07/23	03/08/23	
Aroclor-1242	ND	ug/Kg	50	18	03/07/23	03/08/23	
Aroclor-1248	ND	ug/Kg	50	21	03/07/23	03/08/23	
Aroclor-1254	ND	ug/Kg	50	6.6	03/07/23	03/08/23	
Aroclor-1260	ND	ug/Kg	50	24	03/07/23	03/08/23	
Aroclor-1262	ND	ug/Kg	50	16	03/07/23	03/08/23	
Aroclor-1268	ND	ug/Kg	50	13	03/07/23	03/08/23	
Surrogates							
Limits							
Decachlorobiphenyl (PCB)	93%	%REC	19-121	6.3	03/07/23	03/08/23	

Batch QC

Type: Lab Control Sample	Lab ID: QC1050354	Batch: 309154				
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546				
QC1050354 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	44.06	49.36	ug/Kg	89%		22-129
beta-BHC	44.96	49.36	ug/Kg	91%		28-125
gamma-BHC	44.56	49.36	ug/Kg	90%		22-128
delta-BHC	44.87	49.36	ug/Kg	91%		24-131
Heptachlor	42.93	49.36	ug/Kg	87%		18-124
Aldrin	37.89	49.36	ug/Kg	77%		23-120
Heptachlor epoxide	42.28	49.36	ug/Kg	86%		26-120
Endosulfan I	43.49	49.36	ug/Kg	88%		25-126
Dieldrin	42.12	49.36	ug/Kg	85%		23-124
4,4'-DDE	42.84	49.36	ug/Kg	87%		28-121
Endrin	49.42	49.36	ug/Kg	100%		25-127
Endosulfan II	43.60	49.36	ug/Kg	88%		29-121
Endosulfan sulfate	42.02	49.36	ug/Kg	85%		30-121
4,4'-DDD	44.04	49.36	ug/Kg	89%		26-120
Endrin aldehyde	29.30	49.36	ug/Kg	59%		10-120
Endrin ketone	42.76	49.36	ug/Kg	87%		28-125
4,4'-DDT	44.18	49.36	ug/Kg	90%		22-125
Methoxychlor	49.23	49.36	ug/Kg	100%		28-130
Surrogates						
TCMX	38.78	49.36	ug/Kg	79%		23-120
Decachlorobiphenyl	48.93	49.36	ug/Kg	99%		24-120

Batch QC

Type: Matrix Spike	Lab ID: QC1050355	Batch: 309154
Matrix (Source ID): Soil (480909-021)	Method: EPA 8081A	Prep Method: EPA 3546

QC1050355 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	43.86	ND	49.95	ug/Kg	88%		46-120	1
beta-BHC	45.46	ND	49.95	ug/Kg	91%		41-120	1
gamma-BHC	44.25	ND	49.95	ug/Kg	89%		41-120	1
delta-BHC	44.32	ND	49.95	ug/Kg	89%		38-123	1
Heptachlor	42.92	ND	49.95	ug/Kg	86%		39-120	1
Aldrin	39.97	ND	49.95	ug/Kg	80%		34-120	1
Heptachlor epoxide	42.31	ND	49.95	ug/Kg	85%		43-120	1
Endosulfan I	42.62	ND	49.95	ug/Kg	85%		45-120	1
Dieldrin	41.90	ND	49.95	ug/Kg	84%		45-120	1
4,4'-DDE	42.28	ND	49.95	ug/Kg	85%		34-120	1
Endrin	48.49	ND	49.95	ug/Kg	97%		40-120	1
Endosulfan II	43.21	ND	49.95	ug/Kg	86%		41-120	1
Endosulfan sulfate	41.57	ND	49.95	ug/Kg	83%		42-120	1
4,4'-DDD	43.25	ND	49.95	ug/Kg	87%		41-120	1
Endrin aldehyde	31.37	ND	49.95	ug/Kg	63%		30-120	1
Endrin ketone	42.77	ND	49.95	ug/Kg	86%		45-120	1
4,4'-DDT	45.61	ND	49.95	ug/Kg	91%		35-127	1
Methoxychlor	50.33	ND	49.95	ug/Kg	101%		42-136	1
Surrogates								
TCMX	38.82		49.95	ug/Kg	78%		23-120	1
Decachlorobiphenyl	40.65		49.95	ug/Kg	81%		24-120	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1050356	Batch: 309154
Matrix (Source ID): Soil (480909-021)	Method: EPA 8081A	Prep Method: EPA 3546

QC1050356 Analyte	Result	Source	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
		Sample								
alpha-BHC	41.79	ND	50.00	ug/Kg	84%		46-120	5	30	1
beta-BHC	43.40	ND	50.00	ug/Kg	87%		41-120	5	30	1
gamma-BHC	42.02	ND	50.00	ug/Kg	84%		41-120	5	30	1
delta-BHC	42.10	ND	50.00	ug/Kg	84%		38-123	5	30	1
Heptachlor	40.57	ND	50.00	ug/Kg	81%		39-120	6	30	1
Aldrin	37.76	ND	50.00	ug/Kg	76%		34-120	6	30	1
Heptachlor epoxide	39.79	ND	50.00	ug/Kg	80%		43-120	6	30	1
Endosulfan I	40.25	ND	50.00	ug/Kg	80%		45-120	6	30	1
Dieldrin	38.99	ND	50.00	ug/Kg	78%		45-120	7	30	1
4,4'-DDE	39.31	ND	50.00	ug/Kg	79%		34-120	7	30	1
Endrin	45.51	ND	50.00	ug/Kg	91%		40-120	6	30	1
Endosulfan II	40.86	ND	50.00	ug/Kg	82%		41-120	6	30	1
Endosulfan sulfate	38.17	ND	50.00	ug/Kg	76%		42-120	9	30	1
4,4'-DDD	39.98	ND	50.00	ug/Kg	80%		41-120	8	30	1
Endrin aldehyde	30.10	ND	50.00	ug/Kg	60%		30-120	4	30	1
Endrin ketone	40.15	ND	50.00	ug/Kg	80%		45-120	6	30	1
4,4'-DDT	41.89	ND	50.00	ug/Kg	84%		35-127	9	30	1
Methoxychlor	46.63	ND	50.00	ug/Kg	93%		42-136	8	30	1
Surrogates										
TCMX	36.78		50.00	ug/Kg	74%		23-120			1
Decachlorobiphenyl	37.10		50.00	ug/Kg	74%		24-120			1

Type: Lab Control Sample	Lab ID: QC1050357	Batch: 309154
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1050357 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	441.9	497.0	ug/Kg	89%		14-150
Aroclor-1260	473.2	497.0	ug/Kg	95%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	46.52	49.70	ug/Kg	94%		19-121

Batch QC

Type: Matrix Spike Matrix (Source ID): Soil (480909-021)	Lab ID: QC1050358 Method: EPA 8082	Batch: 309154 Prep Method: EPA 3546
---	---------------------------------------	--

QC1050358 Analyte	Result	Source	Spiked	Units	Recovery	Qual	Limits	DF
		Sample Result						
Aroclor-1016	404.4	ND	495.0	ug/Kg	82%		42-127	0.99
Aroclor-1260	446.6	ND	495.0	ug/Kg	90%		38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	43.89		49.50	ug/Kg	89%		19-121	0.99

Type: Matrix Spike Duplicate Matrix (Source ID): Soil (480909-021)	Lab ID: QC1050359 Method: EPA 8082	Batch: 309154 Prep Method: EPA 3546
---	---------------------------------------	--

QC1050359 Analyte	Result	Source	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
		Sample Result								
Aroclor-1016	344.1	ND	499.0	ug/Kg	69%		42-127	17	30	1
Aroclor-1260	390.5	ND	499.0	ug/Kg	78%		38-130	14	30	1
Surrogates										
Decachlorobiphenyl (PCB)	38.88		49.90	ug/Kg	78%		19-121			1

Batch QC

Type: Blank	Lab ID: QC1050680				Batch: 309255		
QC1050680 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A							
Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.0	0.99	03/08/23	03/09/23
beta-BHC	ND		ug/Kg	5.0	1.4	03/08/23	03/09/23
gamma-BHC	ND		ug/Kg	5.0	1.0	03/08/23	03/09/23
delta-BHC	ND		ug/Kg	5.0	1.2	03/08/23	03/09/23
Heptachlor	ND		ug/Kg	5.0	1.7	03/08/23	03/09/23
Aldrin	ND		ug/Kg	5.0	1.3	03/08/23	03/09/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	03/08/23	03/09/23
Endosulfan I	ND		ug/Kg	5.0	1.4	03/08/23	03/09/23
Dieldrin	ND		ug/Kg	5.0	1.5	03/08/23	03/09/23
4,4'-DDE	ND		ug/Kg	5.0	1.5	03/08/23	03/09/23
Endrin	ND		ug/Kg	5.0	1.7	03/08/23	03/09/23
Endosulfan II	ND		ug/Kg	5.0	1.7	03/08/23	03/09/23
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	03/08/23	03/09/23
4,4'-DDD	ND		ug/Kg	5.0	0.93	03/08/23	03/09/23
Endrin aldehyde	ND		ug/Kg	5.0	1.2	03/08/23	03/09/23
Endrin ketone	ND		ug/Kg	5.0	1.5	03/08/23	03/09/23
4,4'-DDT	ND		ug/Kg	5.0	1.7	03/08/23	03/09/23
Methoxychlor	ND		ug/Kg	10	2.3	03/08/23	03/09/23
Toxaphene	ND		ug/Kg	100	31	03/08/23	03/09/23
Chlordane (Technical)	ND		ug/Kg	50	9.1	03/08/23	03/09/23
Surrogates							
Limits							
TCMX	119%		%REC	23-120		03/08/23	03/09/23
Decachlorobiphenyl	216%	*	%REC	24-120		03/08/23	03/09/23
Method: EPA 8082							
Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	50	13	03/08/23	03/09/23
Aroclor-1221	ND		ug/Kg	50	11	03/08/23	03/09/23
Aroclor-1232	ND		ug/Kg	50	11	03/08/23	03/09/23
Aroclor-1242	ND		ug/Kg	50	16	03/08/23	03/09/23
Aroclor-1248	ND		ug/Kg	50	17	03/08/23	03/09/23
Aroclor-1254	ND		ug/Kg	50	16	03/08/23	03/09/23
Aroclor-1260	ND		ug/Kg	50	23	03/08/23	03/09/23
Aroclor-1262	ND		ug/Kg	50	16	03/08/23	03/09/23
Aroclor-1268	ND		ug/Kg	50	13	03/08/23	03/09/23
Surrogates							
Limits							
Decachlorobiphenyl (PCB)	156%	*	%REC	19-121		03/08/23	03/09/23

Batch QC

Type: Lab Control Sample	Lab ID: QC1050681	Batch: 309255				
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546				
QC1050681 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	37.64	50.00	ug/Kg	75%		22-129
beta-BHC	43.28	50.00	ug/Kg	87%		28-125
gamma-BHC	39.48	50.00	ug/Kg	79%		22-128
delta-BHC	43.32	50.00	ug/Kg	87%		24-131
Heptachlor	40.62	50.00	ug/Kg	81%		18-124
Aldrin	38.31	50.00	ug/Kg	77%		23-120
Heptachlor epoxide	46.16	50.00	ug/Kg	92%		26-120
Endosulfan I	47.87	50.00	ug/Kg	96%		25-126
Dieldrin	46.79	50.00	ug/Kg	94%		23-124
4,4'-DDE	51.96	50.00	ug/Kg	104%		28-121
Endrin	47.95	50.00	ug/Kg	96%		25-127
Endosulfan II	50.75	50.00	ug/Kg	101%		29-121
Endosulfan sulfate	48.77	50.00	ug/Kg	98%		30-121
4,4'-DDD	54.06	50.00	ug/Kg	108%		26-120
Endrin aldehyde	38.31	50.00	ug/Kg	77%		10-120
Endrin ketone	55.94	50.00	ug/Kg	112%		28-125
4,4'-DDT	55.59	50.00	ug/Kg	111%		22-125
Methoxychlor	58.25	50.00	ug/Kg	117%		28-130
Surrogates						
TCMX	29.33	50.00	ug/Kg	59%		23-120
Decachlorobiphenyl	54.07	50.00	ug/Kg	108%		24-120

Batch QC

Type: Matrix Spike	Lab ID: QC1050682	Batch: 309255
Matrix (Source ID): Soil (480909-039)	Method: EPA 8081A	Prep Method: EPA 3546

QC1050682 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	57.27	ND	50.00	ug/Kg	115%		46-120	1
beta-BHC	59.62	ND	50.00	ug/Kg	119%		41-120	1
gamma-BHC	57.39	ND	50.00	ug/Kg	115%		41-120	1
delta-BHC	63.55	ND	50.00	ug/Kg	127%	*	38-123	1
Heptachlor	58.64	ND	50.00	ug/Kg	117%		39-120	1
Aldrin	57.98	ND	50.00	ug/Kg	116%		34-120	1
Heptachlor epoxide	62.97	ND	50.00	ug/Kg	126%	*	43-120	1
Endosulfan I	64.76	ND	50.00	ug/Kg	130%	*	45-120	1
Dieldrin	62.36	ND	50.00	ug/Kg	125%	*	45-120	1
4,4'-DDE	69.57	ND	50.00	ug/Kg	139%	*	34-120	1
Endrin	64.77	ND	50.00	ug/Kg	130%	*	40-120	1
Endosulfan II	68.22	ND	50.00	ug/Kg	136%	*	41-120	1
Endosulfan sulfate	65.95	ND	50.00	ug/Kg	132%	*	42-120	1
4,4'-DDD	72.02	ND	50.00	ug/Kg	144%	*	41-120	1
Endrin aldehyde	52.69	ND	50.00	ug/Kg	105%		30-120	1
Endrin ketone	74.20	ND	50.00	ug/Kg	148%	*	45-120	1
4,4'-DDT	72.06	ND	50.00	ug/Kg	144%	*	35-127	1
Methoxychlor	74.52	ND	50.00	ug/Kg	149%	*	42-136	1
Surrogates								
TCMX	46.40		50.00	ug/Kg	93%		23-120	1
Decachlorobiphenyl	67.52		50.00	ug/Kg	135%	*	24-120	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1050683	Batch: 309255
Matrix (Source ID): Soil (480909-039)	Method: EPA 8081A	Prep Method: EPA 3546

QC1050683 Analyte	Result	Source Sample Result	RPD							
			Spiked	Units	Recovery	Qual	Limits	RPD		
alpha-BHC	50.97	ND	49.80	ug/Kg	102%		46-120	11	30	1
beta-BHC	54.97	ND	49.80	ug/Kg	110%		41-120	8	30	1
gamma-BHC	51.97	ND	49.80	ug/Kg	104%		41-120	10	30	1
delta-BHC	59.52	ND	49.80	ug/Kg	120%		38-123	6	30	1
Heptachlor	54.06	ND	49.80	ug/Kg	109%		39-120	8	30	1
Aldrin	53.82	ND	49.80	ug/Kg	108%		34-120	7	30	1
Heptachlor epoxide	60.20	ND	49.80	ug/Kg	121%	*	43-120	4	30	1
Endosulfan I	63.02	ND	49.80	ug/Kg	127%	*	45-120	2	30	1
Dieldrin	60.63	ND	49.80	ug/Kg	122%	*	45-120	2	30	1
4,4'-DDE	66.61	ND	49.80	ug/Kg	134%	*	34-120	4	30	1
Endrin	63.74	ND	49.80	ug/Kg	128%	*	40-120	1	30	1
Endosulfan II	67.46	ND	49.80	ug/Kg	135%	*	41-120	1	30	1
Endosulfan sulfate	66.89	ND	49.80	ug/Kg	134%	*	42-120	2	30	1
4,4'-DDD	72.55	ND	49.80	ug/Kg	146%	*	41-120	1	30	1
Endrin aldehyde	55.03	ND	49.80	ug/Kg	111%		30-120	5	30	1
Endrin ketone	74.20	ND	49.80	ug/Kg	149%	*	45-120	0	30	1
4,4'-DDT	72.79	ND	49.80	ug/Kg	146%	*	35-127	1	30	1
Methoxychlor	75.72	ND	49.80	ug/Kg	152%	*	42-136	2	30	1
Surrogates										
TCMX	41.65		49.80	ug/Kg	84%		23-120			1
Decachlorobiphenyl	69.18		49.80	ug/Kg	139%	*	24-120			1

Type: Lab Control Sample	Lab ID: QC1050684	Batch: 309255
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1050684 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	359.8	495.5	ug/Kg	73%		14-150
Aroclor-1260	487.7	495.5	ug/Kg	98%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	38.26	49.55	ug/Kg	77%		19-121

Batch QC

Type: Matrix Spike Matrix (Source ID): Soil (480909-039)	Lab ID: QC1050685 Method: EPA 8082	Batch: 309255 Prep Method: EPA 3546
---	---------------------------------------	--

QC1050685 Analyte	Result	Source	Spiked	Units	Recovery	Qual	Limits	DF
		Sample Result						
Aroclor-1016	508.1	ND	496.5	ug/Kg	102%	*	42-127	0.99
Aroclor-1260	668.8	ND	496.5	ug/Kg	135%	*	38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	67.37		49.65	ug/Kg	136%	*	19-121	0.99

Type: Matrix Spike Duplicate Matrix (Source ID): Soil (480909-039)	Lab ID: QC1050686 Method: EPA 8082	Batch: 309255 Prep Method: EPA 3546
---	---------------------------------------	--

QC1050686 Analyte	Result	Source	Spiked	Units	Recovery	Qual	Limits	RPD	DF	
		Sample Result						Lim		
Aroclor-1016	445.1	ND	494.6	ug/Kg	90%	*	42-127	13	30	0.99
Aroclor-1260	550.7	ND	494.6	ug/Kg	111%	*	38-130	19	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	54.97		49.46	ug/Kg	111%	*	19-121			0.99

Batch QC

Type: Blank	Lab ID: QC1050795				Batch: 309299		
QC1050795 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A							
Prep Method: EPA 3546							
alpha-BHC	ND	ug/Kg	5.0	1.2	03/09/23	03/09/23	
beta-BHC	ND	ug/Kg	5.0	1.7	03/09/23	03/09/23	
gamma-BHC	ND	ug/Kg	5.0	1.0	03/09/23	03/09/23	
delta-BHC	ND	ug/Kg	5.0	1.4	03/09/23	03/09/23	
Heptachlor	ND	ug/Kg	5.0	1.5	03/09/23	03/09/23	
Aldrin	ND	ug/Kg	5.0	1.3	03/09/23	03/09/23	
Heptachlor epoxide	ND	ug/Kg	5.0	1.8	03/09/23	03/09/23	
Endosulfan I	ND	ug/Kg	5.0	1.4	03/09/23	03/09/23	
Dieldrin	ND	ug/Kg	5.0	1.4	03/09/23	03/09/23	
4,4'-DDE	ND	ug/Kg	5.0	1.4	03/09/23	03/09/23	
Endrin	ND	ug/Kg	5.0	1.6	03/09/23	03/09/23	
Endosulfan II	ND	ug/Kg	5.0	1.6	03/09/23	03/09/23	
Endosulfan sulfate	ND	ug/Kg	5.0	1.6	03/09/23	03/09/23	
4,4'-DDD	ND	ug/Kg	5.0	1.1	03/09/23	03/09/23	
Endrin aldehyde	ND	ug/Kg	5.0	1.7	03/09/23	03/09/23	
Endrin ketone	ND	ug/Kg	5.0	1.4	03/09/23	03/09/23	
4,4'-DDT	ND	ug/Kg	5.0	1.4	03/09/23	03/09/23	
Methoxychlor	ND	ug/Kg	10	5.0	03/09/23	03/09/23	
Toxaphene	ND	ug/Kg	100	15	03/09/23	03/09/23	
Chlordane (Technical)	ND	ug/Kg	50	11	03/09/23	03/09/23	
Surrogates							
Limits							
TCMX	74%	%REC	23-120		03/09/23	03/09/23	
Decachlorobiphenyl	81%	%REC	24-120		03/09/23	03/09/23	
Method: EPA 8082							
Prep Method: EPA 3546							
Aroclor-1016	ND	ug/Kg	50	14	03/09/23	03/09/23	
Aroclor-1221	ND	ug/Kg	50	23	03/09/23	03/09/23	
Aroclor-1232	ND	ug/Kg	50	18	03/09/23	03/09/23	
Aroclor-1242	ND	ug/Kg	50	18	03/09/23	03/09/23	
Aroclor-1248	ND	ug/Kg	50	21	03/09/23	03/09/23	
Aroclor-1254	ND	ug/Kg	50	6.6	03/09/23	03/09/23	
Aroclor-1260	ND	ug/Kg	50	24	03/09/23	03/09/23	
Aroclor-1262	ND	ug/Kg	50	16	03/09/23	03/09/23	
Aroclor-1268	ND	ug/Kg	50	13	03/09/23	03/09/23	
Surrogates							
Limits							
Decachlorobiphenyl (PCB)	92%	%REC	19-121	6.3	03/09/23	03/09/23	

Batch QC

Type: Lab Control Sample	Lab ID: QC1050796	Batch: 309299		
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546		
QC1050796 Analyte				
alpha-BHC	46.23	50.00 ug/Kg	92%	22-129
beta-BHC	44.57	50.00 ug/Kg	89%	28-125
gamma-BHC	45.84	50.00 ug/Kg	92%	22-128
delta-BHC	46.31	50.00 ug/Kg	93%	24-131
Heptachlor	45.30	50.00 ug/Kg	91%	18-124
Aldrin	38.22	50.00 ug/Kg	76%	23-120
Heptachlor epoxide	46.23	50.00 ug/Kg	92%	26-120
Endosulfan I	47.16	50.00 ug/Kg	94%	25-126
Dieldrin	46.48	50.00 ug/Kg	93%	23-124
4,4'-DDE	47.33	50.00 ug/Kg	95%	28-121
Endrin	51.30	50.00 ug/Kg	103%	25-127
Endosulfan II	47.26	50.00 ug/Kg	95%	29-121
Endosulfan sulfate	45.51	50.00 ug/Kg	91%	30-121
4,4'-DDD	48.60	50.00 ug/Kg	97%	26-120
Endrin aldehyde	30.56	50.00 ug/Kg	61%	10-120
Endrin ketone	45.31	50.00 ug/Kg	91%	28-125
4,4'-DDT	47.72	50.00 ug/Kg	95%	22-125
Methoxychlor	56.50	50.00 ug/Kg	113%	28-130
Surrogates				
TCMX	38.13	50.00 ug/Kg	76%	23-120
Decachlorobiphenyl	41.59	50.00 ug/Kg	83%	24-120

Batch QC

Type: Matrix Spike Matrix (Source ID): Soil (481097-001)	Lab ID: QC1050803 Method: EPA 8081A	Batch: 309299 Prep Method: EPA 3546
---	--	--

QC1050803 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	38.53	ND	49.95	ug/Kg	77%		46-120	10
beta-BHC	48.19	ND	49.95	ug/Kg	96%		41-120	10
gamma-BHC	38.90	ND	49.95	ug/Kg	78%		41-120	10
delta-BHC	9.568	ND	49.95	ug/Kg		DO	38-123	10
Heptachlor	50.64	ND	49.95	ug/Kg	101%		39-120	10
Aldrin	46.34	ND	49.95	ug/Kg	93%		34-120	10
Heptachlor epoxide	49.95	ND	49.95	ug/Kg	100%		43-120	10
Endosulfan I	48.29	ND	49.95	ug/Kg	97%		45-120	10
Dieldrin	56.57	ND	49.95	ug/Kg	113%		45-120	10
4,4'-DDE	57.46	ND	49.95	ug/Kg	115%		34-120	10
Endrin	56.79	ND	49.95	ug/Kg	114%		40-120	10
Endosulfan II	51.12	ND	49.95	ug/Kg	102%		41-120	10
Endosulfan sulfate	44.08	ND	49.95	ug/Kg	88%		42-120	10
4,4'-DDD	47.64	ND	49.95	ug/Kg	95%		41-120	10
Endrin aldehyde	44.97	ND	49.95	ug/Kg	90%		30-120	10
Endrin ketone	44.27	ND	49.95	ug/Kg	89%		45-120	10
4,4'-DDT	60.74	ND	49.95	ug/Kg	122%		35-127	10
Methoxychlor	66.46	ND	49.95	ug/Kg		DO	42-136	10
Surrogates								
TCMX	44.24		49.95	ug/Kg		DO	23-120	10
Decachlorobiphenyl	61.17		49.95	ug/Kg		DO	24-120	10

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1050804	Batch: 309299
Matrix (Source ID): Soil (481097-001)	Method: EPA 8081A	Prep Method: EPA 3546

QC1050804 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD		
								Lim	DF	
alpha-BHC	27.55	ND	49.70	ug/Kg	55%		46-120	33*	30	9.9
beta-BHC	36.54	ND	49.70	ug/Kg	74%		41-120	27	30	9.9
gamma-BHC	29.13	ND	49.70	ug/Kg	59%		41-120	28	30	9.9
delta-BHC	11.54	ND	49.70	ug/Kg		DO	38-123		30	9.9
Heptachlor	35.94	ND	49.70	ug/Kg	72%		39-120	33*	30	9.9
Aldrin	34.41	ND	49.70	ug/Kg	69%		34-120	29	30	9.9
Heptachlor epoxide	37.19	ND	49.70	ug/Kg	75%		43-120	29	30	9.9
Endosulfan I	34.62	ND	49.70	ug/Kg	70%		45-120	32*	30	9.9
Dieldrin	37.65	ND	49.70	ug/Kg	76%		45-120	40*	30	9.9
4,4'-DDE	43.56	ND	49.70	ug/Kg	88%		34-120	27	30	9.9
Endrin	40.25	ND	49.70	ug/Kg	81%		40-120	34*	30	9.9
Endosulfan II	36.11	ND	49.70	ug/Kg	73%		41-120	34*	30	9.9
Endosulfan sulfate	28.25	ND	49.70	ug/Kg	57%		42-120	43*	30	9.9
4,4'-DDD	33.31	ND	49.70	ug/Kg	67%		41-120	35*	30	9.9
Endrin aldehyde	28.99	ND	49.70	ug/Kg	58%		30-120	43*	30	9.9
Endrin ketone	49.47	ND	49.70	ug/Kg	100%		45-120	12	30	9.9
4,4'-DDT	48.76	ND	49.70	ug/Kg	98%		35-127	21	30	9.9
Methoxychlor	48.85	ND	49.70	ug/Kg		DO	42-136		30	9.9
Surrogates										
TCMX	33.74		49.70	ug/Kg		DO	23-120			9.9
Decachlorobiphenyl	55.56		49.70	ug/Kg		DO	24-120			9.9

Type: Lab Control Sample	Lab ID: QC1050805	Batch: 309299
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1050805 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	377.4	500.0	ug/Kg	75%		14-150
Aroclor-1260	408.1	500.0	ug/Kg	82%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	39.99	50.00	ug/Kg	80%		19-121

Batch QC

Type: Matrix Spike Matrix (Source ID): Soil (481097-001)	Lab ID: QC1050806 Method: EPA 8082	Batch: 309299 Prep Method: EPA 3546
---	---------------------------------------	--

QC1050806 Analyte	Result	Source	Spiked	Units	Recovery	Qual	Limits	DF
		Sample Result						
Aroclor-1016	354.4	ND	500.0	ug/Kg	71%		42-127	2
Aroclor-1260	448.4	ND	500.0	ug/Kg	90%		38-130	2
Surrogates								
Decachlorobiphenyl (PCB)	38.23		50.00	ug/Kg	76%		19-121	2

Type: Matrix Spike Duplicate Matrix (Source ID): Soil (481097-001)	Lab ID: QC1050807 Method: EPA 8082	Batch: 309299 Prep Method: EPA 3546
---	---------------------------------------	--

QC1050807 Analyte	Result	Source	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
		Sample Result								
Aroclor-1016	366.9	ND	494.6	ug/Kg	74%		42-127	5	30	2
Aroclor-1260	458.8	ND	494.6	ug/Kg	93%		38-130	3	30	2
Surrogates										
Decachlorobiphenyl (PCB)	36.77		49.46	ug/Kg	74%		19-121			2

Type: Blank Matrix: Soil	Lab ID: QC1051121 Method: EPA 8082	Batch: 309410 Prep Method: EPA 3546
-----------------------------	---------------------------------------	--

QC1051121 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	49	14	03/10/23	03/11/23
Aroclor-1221	ND		ug/Kg	49	22	03/10/23	03/11/23
Aroclor-1232	ND		ug/Kg	49	18	03/10/23	03/11/23
Aroclor-1242	ND		ug/Kg	49	18	03/10/23	03/11/23
Aroclor-1248	ND		ug/Kg	49	21	03/10/23	03/11/23
Aroclor-1254	ND		ug/Kg	49	6.5	03/10/23	03/11/23
Aroclor-1260	ND		ug/Kg	49	24	03/10/23	03/11/23
Aroclor-1262	ND		ug/Kg	49	16	03/10/23	03/11/23
Aroclor-1268	ND		ug/Kg	49	13	03/10/23	03/11/23
Surrogates							
Decachlorobiphenyl (PCB)	79%		%REC	19-121	6.3	03/10/23	03/11/23

Batch QC

Type: Lab Control Sample	Lab ID: QC1051122	Batch: 309410
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1051122 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	391.6	498.0	ug/Kg	79%		14-150
Aroclor-1260	412.7	498.0	ug/Kg	83%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	33.17	49.80	ug/Kg	67%		19-121

Type: Matrix Spike	Lab ID: QC1051188	Batch: 309410
Matrix (Source ID): Soil (480909-045)	Method: EPA 8082	Prep Method: EPA 3546

QC1051188 Analyte	Result	Source	Spiked	Units	Recovery	Qual	Limits	DF
		Sample Result						
Aroclor-1016	362.5	ND	497.0	ug/Kg	73%		42-127	0.99
Aroclor-1260	370.2	ND	497.0	ug/Kg	74%		38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	31.30		49.70	ug/Kg	63%		19-121	0.99

Type: Matrix Spike Duplicate	Lab ID: QC1051189	Batch: 309410
Matrix (Source ID): Soil (480909-045)	Method: EPA 8082	Prep Method: EPA 3546

QC1051189 Analyte	Result	Source	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
		Sample Result								
Aroclor-1016	401.9	ND	499.5	ug/Kg	80%		42-127	10	30	1
Aroclor-1260	432.6	ND	499.5	ug/Kg	87%		38-130	15	30	1
Surrogates										
Decachlorobiphenyl (PCB)	35.79		49.95	ug/Kg	72%		19-121			1

Batch QC

Type: Blank	Lab ID: QC1050096	Batch: 309066
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B
QC1050096 Analyte		
3-Chloropropene	Result	Qual
3-Chloropropene	ND	ug/L
Freon 12	ND	ug/L
Chloromethane	ND	ug/L
Vinyl Chloride	ND	ug/L
Bromomethane	ND	ug/L
Chloroethane	ND	ug/L
Trichlorofluoromethane	ND	ug/L
Acetone	ND	ug/L
Freon 113	ND	ug/L
1,1-Dichloroethene	ND	ug/L
Methylene Chloride	ND	ug/L
MTBE	ND	ug/L
trans-1,2-Dichloroethene	ND	ug/L
1,1-Dichloroethane	ND	ug/L
2-Butanone	ND	ug/L
cis-1,2-Dichloroethene	ND	ug/L
2,2-Dichloropropane	ND	ug/L
Chloroform	ND	ug/L
Bromoform	ND	ug/L
Bromochloromethane	ND	ug/L
1,1,1-Trichloroethane	ND	ug/L
1,1-Dichloropropene	ND	ug/L
Carbon Tetrachloride	ND	ug/L
1,2-Dichloroethane	ND	ug/L
Benzene	ND	ug/L
Trichloroethene	ND	ug/L
1,2-Dichloropropane	ND	ug/L
Bromodichloromethane	ND	ug/L
Dibromomethane	ND	ug/L
4-Methyl-2-Pentanone	ND	ug/L
cis-1,3-Dichloropropene	ND	ug/L
Toluene	ND	ug/L
trans-1,3-Dichloropropene	ND	ug/L
1,1,2-Trichloroethane	ND	ug/L
1,3-Dichloropropane	ND	ug/L
Tetrachloroethene	ND	ug/L
Dibromochloromethane	ND	ug/L
1,2-Dibromoethane	ND	ug/L
Chlorobenzene	ND	ug/L
1,1,1,2-Tetrachloroethane	ND	ug/L
Ethylbenzene	ND	ug/L
m,p-Xylenes	ND	ug/L
o-Xylene	ND	ug/L

Batch QC

QC1050096 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Styrene	ND		ug/L	5.0	0.3	03/06/23	03/06/23
Bromoform	ND		ug/L	5.0	0.3	03/06/23	03/06/23
Isopropylbenzene	ND		ug/L	5.0	0.2	03/06/23	03/06/23
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/06/23	03/06/23
1,2,3-Trichloropropane	ND		ug/L	5.0	0.3	03/06/23	03/06/23
Propylbenzene	ND		ug/L	5.0	0.2	03/06/23	03/06/23
Bromobenzene	ND		ug/L	5.0	0.3	03/06/23	03/06/23
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.2	03/06/23	03/06/23
2-Chlorotoluene	ND		ug/L	5.0	0.2	03/06/23	03/06/23
4-Chlorotoluene	ND		ug/L	5.0	0.3	03/06/23	03/06/23
tert-Butylbenzene	ND		ug/L	5.0	0.3	03/06/23	03/06/23
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	03/06/23	03/06/23
sec-Butylbenzene	ND		ug/L	5.0	0.3	03/06/23	03/06/23
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	03/06/23	03/06/23
1,3-Dichlorobenzene	ND		ug/L	5.0	0.3	03/06/23	03/06/23
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/06/23	03/06/23
n-Butylbenzene	ND		ug/L	5.0	0.2	03/06/23	03/06/23
1,2-Dichlorobenzene	ND		ug/L	5.0	0.2	03/06/23	03/06/23
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	03/06/23	03/06/23
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	03/06/23	03/06/23
Hexachlorobutadiene	ND		ug/L	5.0	0.3	03/06/23	03/06/23
Naphthalene	ND		ug/L	5.0	0.3	03/06/23	03/06/23
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	03/06/23	03/06/23
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	03/06/23	03/06/23
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	03/06/23	03/06/23
Xylene (total)	ND		ug/L	5.0		03/06/23	03/06/23
Surrogates		Limits					
Dibromofluoromethane	102%	%REC	70-140	1.7	03/06/23	03/06/23	
1,2-Dichloroethane-d4	109%	%REC	70-140		03/06/23	03/06/23	
Toluene-d8	102%	%REC	70-140	5.7	03/06/23	03/06/23	
Bromofluorobenzene	95%	%REC	70-140		03/06/23	03/06/23	

Batch QC

Type: Lab Control Sample	Lab ID: QC1050097	Batch: 309066
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1050097 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	55.88	50.00	ug/L	112%		70-135
MTBE	51.22	50.00	ug/L	102%		70-130
Benzene	52.23	50.00	ug/L	104%		70-130
Trichloroethene	47.63	50.00	ug/L	95%		70-130
Toluene	52.29	50.00	ug/L	105%		70-130
Chlorobenzene	50.35	50.00	ug/L	101%		70-130
Surrogates						
Dibromofluoromethane	50.10	50.00	ug/L	100%		70-140
1,2-Dichloroethane-d4	54.60	50.00	ug/L	109%		70-140
Toluene-d8	50.90	50.00	ug/L	102%		70-140
Bromofluorobenzene	45.78	50.00	ug/L	92%		70-140

Type: Lab Control Sample Duplicate	Lab ID: QC1050098	Batch: 309066
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1050098 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	54.40	50.00	ug/L	109%		70-135	3	30
MTBE	50.47	50.00	ug/L	101%		70-130	1	30
Benzene	52.95	50.00	ug/L	106%		70-130	1	30
Trichloroethene	46.32	50.00	ug/L	93%		70-130	3	30
Toluene	52.22	50.00	ug/L	104%		70-130	0	30
Chlorobenzene	49.54	50.00	ug/L	99%		70-130	2	30
Surrogates								
Dibromofluoromethane	51.61	50.00	ug/L	103%		70-140		
1,2-Dichloroethane-d4	54.27	50.00	ug/L	109%		70-140		
Toluene-d8	50.09	50.00	ug/L	100%		70-140		
Bromofluorobenzene	45.84	50.00	ug/L	92%		70-140		

* Value is outside QC limits

DO Diluted Out

ND Not Detected

APPENDIX D

Waste Manifests

NO. 770160

NON-HAZARDOUS WASTE DATA FORM

BESI #
353584

GENERATOR	Generator's Name and Mailing Address SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT FACILITIES IMPROVEMENTS PROJECTS 2020 FOURTH STREET SANTA MONICA, CA 90405		Generator's Site Address (if different than mailing address) WILL ROGERS LEARNING COMMUNITY 2401 14TH ST. SANTA MONICA, CA 90405		
	Generator's Phone: 310-399-5885				
	Container type removed from site:		Container type transported to receiving facility:		
	<input type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck		<input type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck		
	<input type="checkbox"/> Other _____		<input type="checkbox"/> Other _____		
	Quantity _____		Quantity _____		
	WASTE DESCRIPTION NON-HAZARDOUS SOLID		ENVIRONMENTAL INVESTIGATION		
	COMPONENTS OF WASTE SOIL 1. _____		PPM 90%	%	COMPONENTS OF WASTE 3. _____
	PPE 2. _____		0-10%		4. _____
	Waste Profile 070128043-17880		PROPERTIES: pH _____		<input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> SLURRY <input type="checkbox"/> OTHER _____
WEAR ALL APPROPRIATE PERSONAL PROTECTIVE CLOTHING.					
HANDLING INSTRUCTIONS:					
Generator Printed/Typed Name <i>EMI FERRE FOR SHIMMER</i>		Signature <i>E. M. Ferre</i>		Month Day Year <i>4 13 23</i>	
The Generator certifies that the waste as described is 100% non-hazardous					
TRANSPORTER	Transporter 1 Company Name BELSHIRE		Phone# 949-460-5200		
	Transporter 1 Printed/Typed Name <i>PAUL VENEGAS</i>		Signature <i>Paul</i>		
	Transporter Acknowledgment of Receipt of Materials				
	Transporter 2 Company Name		Phone#		
	Transporter 2 Printed/Typed Name		Signature		
Transporter Acknowledgment of Receipt of Materials					
RECEIVING FACILITY	Designated Facility Name and Site Address U.S. ECOLOGY, NEVADA OPERATIONS HIGHWAY 95, 11 MILES S. OF BEATTY BEATTY, NV 89003		Phone# 775-553-2203		
	Printed/Typed Name		Signature		
Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.					

APPENDIX E

Statistical Analysis of Arsenic Data

Technical Memorandum

Date: April 17, 2023

To: Mr. Eric Fraske
Senior Engineer III
NV5
3777 Long Beach Boulevard, Annex Building
Long Beach, California 90807

From: Heriberto Robles, Ph.D., D.A.B.T.

Subject: ***Statistical Analysis of Soil Arsenic Data
Will Rogers Learning Community
Santa Monica, California***

At the request of NV5, Enviro-Tox Services, Inc. (Enviro-Tox) conducted a statistical analysis of soil arsenic data collected at the Will Rogers Learning Community located at 2401 14th Street in Santa Monica, California (the Site). The objective of the statistical analyses was to determine the upper limit concentration for naturally occurring arsenic in soil at the Site. In accordance with California Department of Toxic Substances Control (DTSC; 2009) guidance, all available soil arsenic data for the Site (Table 1) were included in the statistical analyses.

The statistical methods used in the data evaluation were taken directly from the guidance for setting arsenic soil cleanup goals (DTSC, 2009). The first objective of the statistical analysis is to determine if the soil arsenic data are likely to be drawn from the same population (i.e., all samples collected from a non-contaminated site). For this type of analysis, the DTSC recommends creating normality plots using the available soil arsenic data. Specifically, the DTSC (2009) states that plots should be created using both raw and log-transformed data. The arsenic concentrations should be plotted from the least value to the highest value as the cumulative percent of samples.

Visual inspection of the probability plots yields a determination of an inflection point, which represents a break between the ambient level of arsenic for the Site and the portion of the curve that represents a separate, higher population, which may be a consequence of a release to the environment.

The probability plot of the raw soil arsenic data for the school Site is presented in Figure 1. The probability plot for the log-transformed data is shown in Figure 2. As can be seen in Figures 1 and 2, there is a distinct inflection and break point that occurs between arsenic concentrations of 3.1 milligrams per kilogram (mg/kg) and 12 mg/kg (Figure 1) or at the Log10 arsenic concentration value of 1.08, which corresponds to 12 mg/kg (Figure 2).

As can be seen from the plots, the data appear to be somewhat linear in the range from 1.2 mg/kg up to about 3.1 mg/kg (Figure 1), where a distinct change in slope can be seen. This linear portion of the curve would be representative of ambient arsenic in this typical, urban environment. The inflection points where the slopes change are indicative of a population different from ambient arsenic (i.e., site contamination).

The line breaking points between 3.1 mg/kg and 12 mg/kg correlate well with the upper bound soil arsenic concentration of 12 mg/kg established for Southern California by the DTSC (2020). Therefore, based on these analyses, it appears that the upper limit soil arsenic background concentration at the Site is around 12 mg/kg.

For sites where arsenic soil concentrations exceed ambient, background concentrations, the DTSC (2009) recommends that Risk Control or Risk Management actions be considered to make sure surface soils, or exposed soils, do not contain arsenic at concentrations higher than natural, background concentrations. Soil samples collected at the Site found to contain arsenic at concentrations higher than 12 mg/kg included samples B3-0.5, B14-0.5, B15-0.5, B4-0.5, and B16-0.5 (Table 1).

Enviro-Tox recommends step-out sampling around the listed soil sampling locations. Once the lateral extents of arsenic-impacted soils around each sampling location are delineated, Engineering or Administrative Controls should be implemented to prevent exposure to those arsenic-impacted soils. Arsenic-impacted soils can be reused at the Site provided those soils are located under at least 3 feet of clean soil.

References

- DTSC. 2009. Arsenic Strategies, Determination of Arsenic Remediation, Determination of Arsenic Cleanup Goals for Proposed and Existing School Sites. March 21.
- DTSC. 2020. Human and Ecological Risk Office. Human Health Risk Assessment (HHRA) Note Number 11, Southern California Ambient Arsenic Screening Level. December 28.

Attachments

Figure 1 – Arsenic Probability Plot

Figure 2 – Log-Transformed Arsenic Probability Plot

Table 1 – Soil Arsenic Data Summary

This memorandum was prepared by:

Enviro-Tox Services, Inc.



Heriberto Robles, Ph.D., D.A.B.T.
Principal Toxicologist

ATTACHMENTS

FIGURES

Figure 1 Arsenic Probability Plot

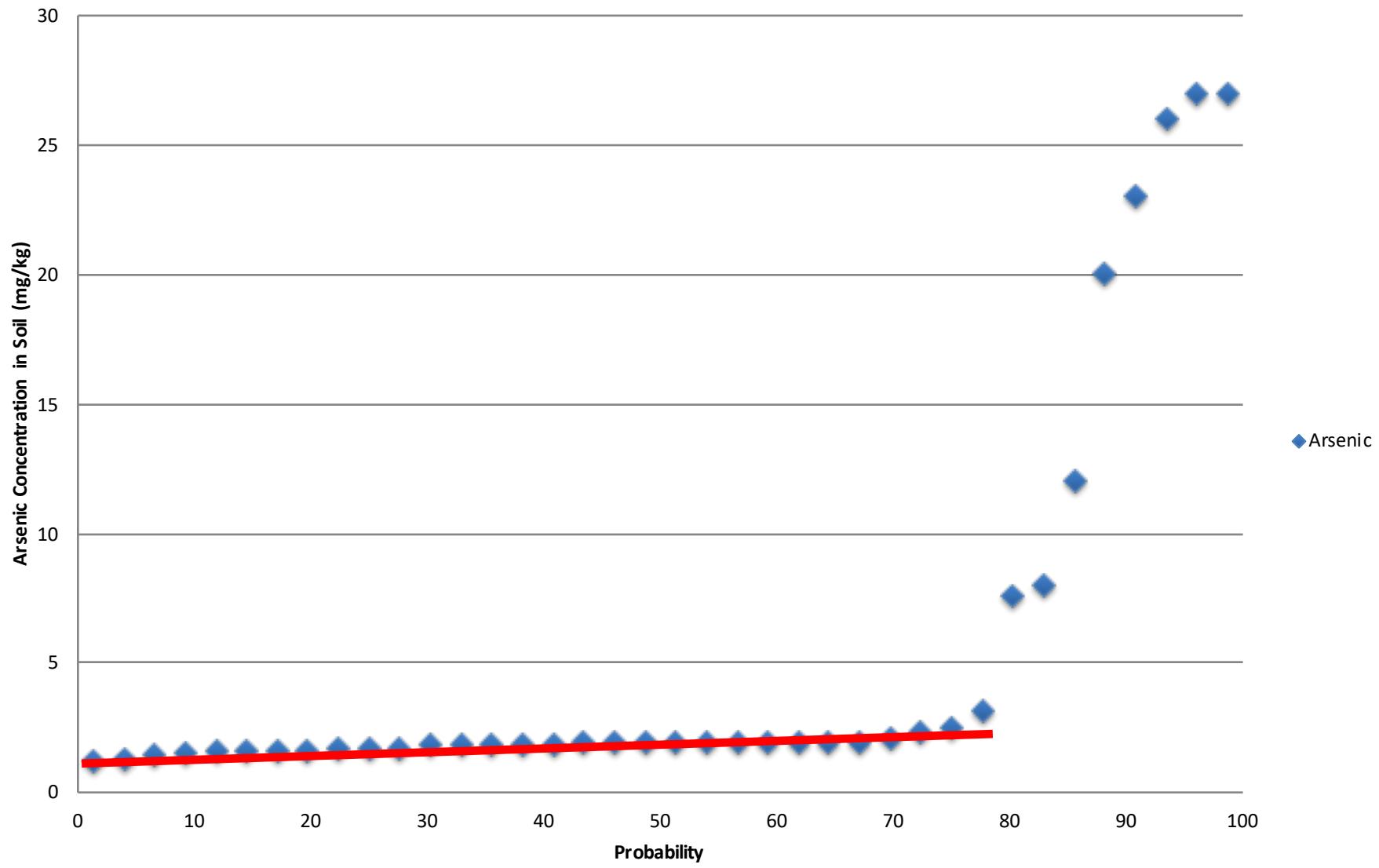
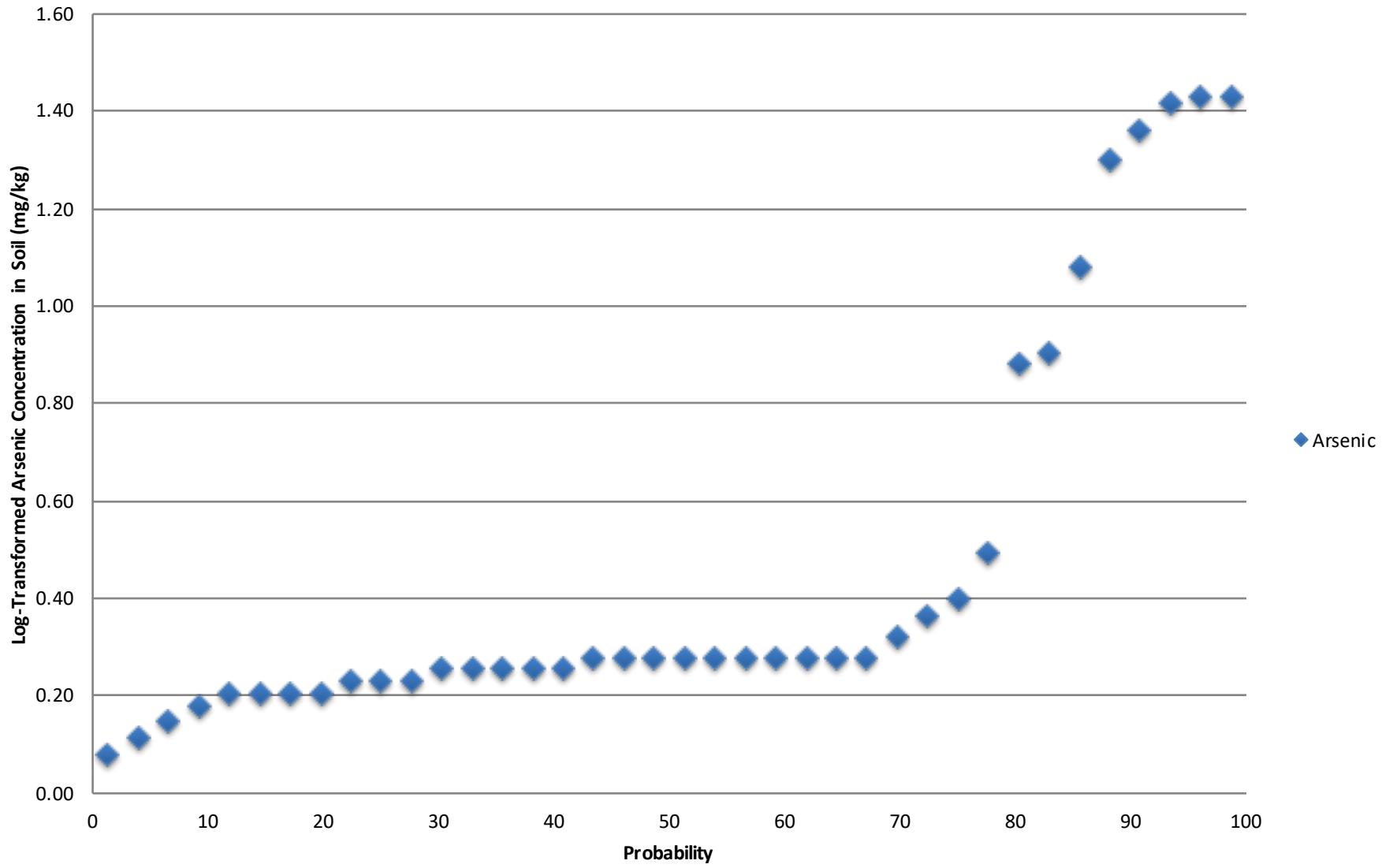


Figure 2. Log-Transformed Arsenic Probability Plot



TABLE

Table 1
Soil Arsenic Data Summary
Will Rogers Learning Community
2401 14th Street
Santa Monica, California

Sample ID	Arsenic (mg/kg)
B16-3	1.2
B1-0.5	3.1
B1-5	1.3
B6-0.5	7.6
B17-3	1.4
B14-3	8
B18-3	1.5
B17-0.5 DUP	12.0
B7-0.5	1.6
B3-0.5	20
B9-3	1.6
B14-0.5	23
B11-3	1.6
B15-0.5	26
B12-3	1.6
B4-0.5	27
B8-3	1.7
B16-0.5	27
B12-0.5	1.7
B17-0.5	1.7
B1-3	1.8
B9-0.5	1.8
B10-0.5	1.8
B13-3	1.8
B18-0.5	1.8
B2-0.5	1.9
B3-3	1.9
B4-3	1.9
B5-3	1.9
B6-3	1.9
B8-0.5	1.9
B10-3	1.9
B11-0.5	1.9

Table 1
Soil Arsenic Data Summary Will
Rogers Learning Community
2401 14th Street
Santa Monica, California

Sample ID	Arsenic (mg/kg)
B13-0.5	1.9
B15-3	1.9
B7-3	2.1
B5-0.5	2.3
B2-3	2.5

NOTES:

mg/kg = milligrams per kilogram

DUP = Duplicate sample