Preliminary Environmental Assessment - Equivalent Report

James A. Garfield High School,
5101 East 6th Street, East Los Angeles, California 90022

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terraphase engineering

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Acronyms and Abbreviations

µg/L	micrograms per liter
95UCL	95 percent upper confidence limit
bgs	below ground surface
CEQA	California Environmental Quality Act
COPCs	chemicals of potential concern
DOGGR	California Department of Oil, Gas, and Geothermal Resources
DPT	direct-push technology
DTSC	California Environmental Protection Agency Department of Toxic Substances Control
DTSC-SL	DTSC-modified screening levels
DWR	California Department of Water Resources
Enthalpy	Enthalpy Analytical Laboratory
ESL	Environmental Screening Levels
Garfield HS	James A Garfield High School
HASP	health and safety plan
HERO	Human and Ecological Risk Office
HHRL	Human Health Risk Level
IS/MND	Initial Study/Mitigated Negative Declaration
LAUSD	Los Angeles Unified School District
LCS	laboratory control sample
MDL	method detection limit
mg/kg	milligrams per kilogram
MS	matrix spike
MSD	matrix spike duplicate
NOI	Notice of Intent
Notice	Assessment Work Notice
OCP	organochlorine pesticide
PCBs	polychlorinated biphenyls
PAHs	polynuclear aromatic hydrocarbons
PEA-E	Preliminary Environmental Assessment – Equivalent
Phase I ESA	*Phase I Environmental Site Assessment*
QA	quality assurance
QC	quality control
REC	recognized environmental condition
RL	reporting limit

RSL	Regional Screening Level
Rule 1466	"Rule 1466. Control of Particulate Emissions from Soils with Toxic Air Contaminants"
Site	James A. Garfield High School, 5101 East 6th Street, East Los Angeles, California
SCAQMD	South Coast Air Quality Management District
STLC	soluble threshold limit concentration
TCLP	Toxicity Characteristic Leaching Procedure
Terraphase	Terraphase Engineering Inc.
TPH	total petroleum hydrocarbons
TPH-d	total petroleum hydrocarbons as diesel
TPH-g	total petroleum hydrocarbons as gasoline
TPH-mo	total petroleum hydrocarbons as motor oil
TTLC	total threshold limit concentration
USA Digalert	Underground Services Alert
USEPA	United States Environmental Protection Agency
UCL	Upper Confidence Limit
VOC	volatile organic compound
WET	Waste Extraction Test
Work Plan	*Preliminary Environmental Assessment-Equivalent Work Plan*

Signatures

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Executive Summary

At the request of the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS), Terraphase Engineering Inc. (Terraphase) completed a Preliminary Environmental Assessment - Equivalent (PEA-E) study for the James A. Garfield High School (Garfield HS) at 5101 East 6th Street in East Los Angeles, California (Site; Figure 1). The sampling plan for the PEA-E study was based on the findings of a *Phase I Environmental Site Assessment* (Phase I ESA [Millennium Consulting Associates 2023]). Following review of the Phase I ESA, Terraphase prepared a PEA-E work plan (Terraphase 2023) which was modified by input from the LAUSD OEHS.

LAUSD is undertaking a major modernization project at the Site to build a new four-story building and library. The development will involve demolishing two portable classrooms (AA-336 and AA-2554) and Buildings 100 and 200. This PEA-E focuses on the 1.8-acre area where development is planned (development zone) shown on Figure 2.

The Phase I ESA prepared for the Site (Millennium 2023) identified four recognized environmental conditions within the development zone: (1) the application of pest-control chemicals to baseboards of buildings, (2) pad-mounted transformers, (3) a three-stage clarifier, and (4) a formerly operating printing shop. Site reconnaissance performed by Terraphase staff identified additional environmental concerns for the Site including a formerly operating spray-painting booth, a currently operating photograph development laboratory, and a hydraulic lift elevator. Lead was also identified as an environmental concern due to the age of the buildings within the development zone being older than 1978, prior to which lead based paint was still in use. Additionally, since the redevelopment of the Site will result in the disturbance of greater than 50 cubic yards of soil, the concentrations of toxic air contaminants per South Coast Air Quality Management District (SCAQMD) “Rule 1466. Control of Particulate Emissions from Soils with Toxic Air Contaminants” (2021) required assessment. The recognized environmental conditions and environmental concerns are outlined on Figure 2.

The primary objectives of this PEA-E were to assess shallow soil at the Site for chemicals of potential concern (COPCs) identified in the Phase I ESA, including asbestos, arsenic, lead, other Title 22 metals, polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), organochlorine pesticides (OCPs), total petroleum hydrocarbons (TPH), and volatile organic compounds (VOCs) in accordance with California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) guidance for school sites (2006) and the Preliminary Environmental Assessment Guidance Manual (2015).

Site assessment activities presented in this report were performed by Terraphase on April 4 and 5, 2023. This report was prepared in general conformance with various existing guidance documents related to Site assessment published by the DTSC (2015). A total of 81 soil samples and 8 duplicates were collected from 39 soil borings. A total of 37 borings were advanced using a hand auger from depths ranging from 1 to 5 feet below ground surface (bgs) and 2 borings were advanced using a direct-push technology drilling rig to depths ranging from 1 to 15 feet bgs. Soil samples were analyzed for the COPCs as shown on Table 2. The soil boring locations are shown on Figure 3. Soil analytical results are presented in Tables 2 through 8.

Based on the analytical results for shallow soil presented in this PEA-E report, arsenic and lead were present at the Site at concentrations exceeding the screening criteria outlined in section 3.1. Three soil samples contained arsenic concentrations exceeded the Southern California background arsenic concentration of 12 milligrams per kilogram (mg/kg [Chernoff, Bosan, and Oudiz 2008]), and 5 soil samples, including 2 duplicate samples, contained lead concentrations exceeding the DTSC Human and Ecological Risk Office (HERO) Note 3 DTSC-modified screening levels for residential scenarios of 80 mg/kg. Terraphase performed 95 percent upper confidence limit (95UCL) calculations for all lead and arsenic concentrations, resulting in 95UCL concentrations which were below the respective screening criteria. No other COPCs were identified exceeding the screening criteria in the Site soil samples. Based on the analytical results compared with the Site screening criteria, Terraphase does not recommend additional investigations to delineate any COPCs identified at the Site. Based on review of SCAQMD Rule 1466 and the results of this soil investigation, the restrictions of SCAQMD Rule 1466 for toxic air contaminants do not apply to the Site.

1 Introduction

At the request of the Los Angeles Unified School District (LAUSD), Terraphase Engineering Inc. (Terraphase) has completed the Preliminary Environmental Assessment - Equivalent (PEA-E) for the James A. Garfield High School (Garfield HS) at 5101 East 6th Street in East Los Angeles, California (Site; Figure 1).

This PEA-E report summarizes the subsurface field investigation conducted at the Site in April 2023. The subsurface investigation followed the *Preliminary Environmental Assessment-Equivalent Work Plan* (PEA-E Work Plan) proposed by Terraphase on March 29, 2023. The scope of the PEA-E Work Plan was based on the findings of the *Phase I Environmental Site Assessment* (ESA) prepared by Millennium Consulting Associates (Millennium) on January 27, 2022. Maps depicting the Site layout and project area are provided as Figures 2 and 3, respectively.

1.1 Site Description

The approximately 20-acre Site is an active high school comprised of various buildings, recreational fields, and parking lots. The Site is surrounded by residential properties with a few commercial businesses on its east side. The development zone, which is the focus of this PEA-E, comprises approximately 1.8 acres and is in the southwest corner of the Site bounded by Fraser Avenue to the west and East 6th Street to the south. The development zone consists of a parking lot, two portable classrooms (AA-336 and AA-2554), and two buildings (Building 100, consisting of a parking garage and classrooms constructed circa 1963, and Building 200, consisting of a library and classrooms constructed circa 1975) planned for demolition. This area will be redeveloped with a four-story building and a new library. The development zone is shown on Figure 2.

1.2 Background

Based on review of the Phase I ESA (Millennium 2022), the Site has been occupied by Garfield HS since approximately 1928. Aerial photographs show that the Site was undeveloped from as early as 1923. In 1928, the Site was developed with several buildings and recreational fields on the north side. The Site was further developed with buildings added on the southwestern corner between 1928 and 1938, and several residential buildings added on the north portion of the Site by 1948. Between 1972 and 1994, the majority of the Site remained unchanged except for several cycles of residential development and grading which took place in the northwest portion of the Site. In 2012, a baseball field was added to the northwest corner of the Site.

The Phase I ESA cited historical plans provided by LAUSD's Office of Environmental Health and Safety, which indicated that autobody, wood working, print, heavy metal shops, and a gun range formerly operated at the Site (Millennium 2022).

1.3 Regional Geology and Hydrology

The Site is within the Los Angeles Basin in a low-lying area filled with unconsolidated alluvial deposits from the early Holocene and late Pleistocene consisting of moderately drained silty clay (Millennium 2022). The Site is not located within an earthquake fault zone and the closest active fault is the East Montebello Fault 3.5 miles east of the Site (Millennium 2022).

The Site is within the California Coastal Basin Aquifer. Site soils are expected to have moderate infiltration rates, with expected groundwater flow towards the south along the general topographic gradient (Millennium 2022). Depth to groundwater was measured at 212 feet below ground surface (bgs) in state well number 2847B, located adjacent to the east side of the Site, on December 31, 2021.[1]

1.4 Purpose of PEA-E

The purpose of this PEA-E is to evaluate potential environmental impacts associated with the recognized environmental conditions (RECs) that were identified in the Phase I ESA (Millennium 2022). The chemicals of potential concern (COPCs) to shallow soil include arsenic, lead, organochlorine pesticide (OCPs) within the drip lines of current and former buildings at the Site, polychlorinated biphenyls (PCBs) in the vicinity of electrical transformers, total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) in the vicinity of a clarifier, and a former print shop and photograph development laboratory. Additionally, concentrations of toxic air contaminants per South Coast Air Quality Management District (SCAQMD) "Rule 1466 Control of Particulate Emissions from Soils with Toxic Air Contaminants" (Rule 1466; amended June 4, 2021)[2] were evaluated in the soil samples collected.

1.5 Discussion of Phase I ESA Items

The 2022 Phase I ESA established the usage and development history of the Site and identified RECs associated with past or current Site uses. Terraphase reviewed the Phase I ESA and conducted a Site visit on March 2, 2023, where several additional environmental concerns for the Site were identified. The RECs and additional environmental concerns are further described in this section.

1.5.1 Summary of Findings

The following summarizes the RECs outlined in the Phase I ESA near or within the bounds of the development zone outlined in Figure 2:

- Pad-mounted transformers and electrical equipment operated by Southern California Edison are located south of Building 200.
- A three-stage clarifier located west of Building 300.

[1] https://dpw.lacounty.gov/general/wells/#

[2] https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1466.pdf?sfvrsn=25

- A printing shop in the south portion of the former Building 700, which is located north of Building 100 and adjacent to the development zone.
- The potential for OCPs and arsenic contamination of soil from the drip lines of buildings resulting from the application of chemicals on building baseboards for pest control.

Although not identified as RECs in the Phase I ESA, Terraphase identified the following additional environmental concerns at the Site:

- A spray-painting booth in the south portion of the former Building 700 located north of Building 100 and adjacent to the north development zone. A utility corridor was found to run east-west between Buildings 100 and 700, which potentially served as a conduit for COPCs.
- Current and former buildings within the development zone were constructed between 1963 and 1974 when the use of lead-based paint and asbestos-containing building materials was common. The potential exists for lead and asbestos to be present along the drip lines of current and former buildings.
- An additional Southern California Edison electrical station and associated transformers present south of Building 300.
- A photograph development laboratory located on the first floor on the north end of Building 100.
- A hydraulic lift elevator located along the east end of Building 200.
- Since the redevelopment of the Site will likely result in the disturbance of greater than 50 cubic yards of soil, the concentrations of applicable toxic air contaminants identified in SCAQMD Rule 1466 need to be determined.

1.5.2 PEA-E Sampling Plan

Table 1 of the PEA-E Work Plan provided a sampling and analysis plan to address the RECs and additional environmental concerns for the Site and identify COPCs (Terraphase 2023). The sampling and analysis plan included proposed sampling locations (shown on Figure 3), depths, and applicable laboratory analyses. The following sampling activities were proposed to address each REC or environmental concern:

- Collect soil samples within the drip lines of the current and former buildings to assess for the presence of OCPs, arsenic, lead, and asbestos in soil.
- Collect soil samples adjacent to the sewer line in boring SB-40. The sewer line runs between Buildings 200 and 300 and feeds into the clarifier. Soil samples from this boring assess potential VOC impacts migrating along the conduit corridor and potential arsenic lead impacts along the drip lines of Building 300.
- Collect soil samples adjacent to electrical transformers to assess for the PCBs in the soil.
- Collect soil samples inside and outside the photograph development laboratory on the north end of Building 100 to assess for the presence of VOCs, metals, and TPH in soil.
- Collect soil samples in between Buildings 100 and 700 to assess the presence of VOCs associated with the former print shop in Building 700.

- Collect soil samples adjacent to a three-stage clarifier adjacent to the west of Building 300 to assess for the presence of VOCs, arsenic, and TPH in borings SB-23 and SB-24. Additionally, assess potential arsenic from pesticide use and lead from lead-based paint along drip lines of Building 300.
- Collect soil samples adjacent to an elevator in the eastern portion of Building 200 to assess for the presence of TPH.
- Analyze shallow soil from an even distribution of borings throughout the development zone to assess the concentrations of SCAQMD Rule 1466 toxic air contaminants asbestos, cadmium, lead, mercury, nickel, OCPs, polycyclic aromatic hydrocarbons (PAHs), and PCBs in soil.

2 PEA-E Activities

Sampling activities and analytical results of the PEA-E investigation are presented below.

2.1 Pre-Sampling Activities

A site-specific health and safety plan (HASP) was prepared in accordance with 29 CFR § 1910.120 and 8 CCR § 5192(e).[3] Terraphase staff and subcontractors reviewed the HASP prior to initiation of field activities. Health and safety tailgate meetings were conducted in the field at the start of the field investigation and at the beginning of each day of field work. Field work was monitored according to the HASP to ensure that appropriate health and safety procedures were followed. A hard copy of the HASP was kept on Site during scheduled field activities.

Terraphase prepared a public notice, dated March 17, 2023 (Notice), to inform neighbors and community members of Garfield HS about the proposed PEA-E study to be conducted at the Site. The Notice described the proposed scope of work, schedule, and purpose. On March 17, 2023, Notices were distributed to faculty and staff, residences along East 6th Street to the south of the Site, and several were laminated and affixed to the fence surrounding the work area. The Notice was written as a two-sided document, with one side in English and the other in Spanish. The Notice is included in Appendix A.

Terraphase applied for an exploration boring permit from the Los Angeles County Department of Environmental Health on March 17, 2023. Boring permits are required for borings which extend beyond depths of 10 feet; therefore, the boring permit applied to borings SB-23 and SB-24 which extended to 15 feet bgs. Boring permit SR0332281 was issued on March 23, 2023. The Los Angeles County Department of Environmental Health was notified at least 48 hours prior to the start of work per the conditions of the permit.

[3] Hazardous waste operations and emergency response, 40 CFR § 1910.120, https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.120; and
Hazardous Waste Operations and Emergency Response, 8 CCR § 5192, https://govt.westlaw.com/calregs/Title8/Div1/Ch4/SCh7/Grp16/Articl109/§5192.

2.2 Shallow Soil Sampling and Analysis

The following sections describe the procedures for shallow soil sampling conducted at the Site to investigate environmental concerns outlined in the PEA-E Work Plan (Terraphase 2023). The samples were collected using the procedures identified PEA-E Work Plan. The sampling locations are shown on Figure 3, and a sample summary is included in Table 1. A photographic log depicting the field procedures is included in Appendix B. Boring logs from the investigation are included as Appendix C. During the PEA-E investigation, soil samples were submitted to Enthalpy Analytical Laboratory (Enthalpy) in Orange, California. Select soil samples were analyzed for arsenic, asbestos, lead, California Title 22 metals, OCPs, VOCs, TPH, PAHs, and PCBs.

2.2.1 Utility Clearance

Underground Services Alert (USA Digalert) was notified more than 48 hours before drilling activities commenced and the USA Digalert ticket (A230820710-00A) was kept active for the duration of the subsurface portion of the field investigation. Terraphase subcontracted a private utility locating service, GPRS, to identify any potential subsurface structures or utilities surrounding each of the proposed soil boring locations. Utility locating was performed with a combination of radio frequency detection, ground penetrating radar, and electro-magnetic induction methods. GPRS provided private utility locating services on April 4, 2023, under the direct supervision of Terraphase field staff.

During the coring of boring SB-05, a live electric line conduit located within the concrete was identified and the boring was not advanced. GPRS returned to the Site on April 5, 2023, to resurvey SB-05 using a concrete scanner. An alternative boring location was not attempted in the vicinity of SB-05.

2.2.2 Drilling, Decontamination and Backfill Procedures

Shallow soil sampling activities were conducted at the Site on April 4 and 5, 2023. A total of 39 soil borings (labeled SB-01 through SB-04 and SB-06 through SB-40) were advanced during the investigation, as shown on Figure 3.

Thirty-five borings were advanced in asphalt or concrete and were initially cored with a concrete coring machine. The remaining four borings were advanced in landscaped areas that did not require coring. A total of 37 out of the 39 borings were advanced using a 3.25-inch-diameter hand auger to depths of 3 or 5 feet bgs. The top 5 feet of the other two borings (SB-23 and SB-24) was cleared with a hand auger before the remainder of the borings were advanced with a direct-push technology (DPT) drilling rig to the total depth.

To prevent cross-contamination between sample locations, hand augers were decontaminated with water and Liquinox detergent or a three-stage rinse consisting of potable water with phosphate free detergent, a potable water rinse, and a distilled or deionized water rinse.

Following shallow soil sampling, all borings except SB-23 and SB-24 were backfilled with native soil that was compacted with a hand tamper. In the paved locations, the remainder of the boring was backfilled with concrete to match the existing grade. Borings SB-23 and SB-24 were backfilled with a Portland

cement grout mixture using a tremie pipe to comply with the Los Angeles County Department of Environmental Health boring permit requirements and patched to match the ground surface.

2.2.3 Soil Sampling Procedures

Soils were screened using a photoionization detector and the soil lithology was described in general accordance with United Soil Classification System nomenclature and recorded onto soil boring logs.

When a hand auger was used, samples were collected directly from the hand auger bucket and placed into laboratory-supplied, pre-cleaned glass jars and labeled. When a DPT sampling rig was used, acetate sample tubes were advanced beneath the subsurface inside a stainless-steel sample probe using hydraulic rams and/or percussion hammers. Soil samples were collected from the acetate liner at the desired interval and placed into laboratory-supplied, pre-cleaned, 4- or 8-ounce glass jars. Samples analyzed for VOCs and TPH-g were collected using USEPA preservation Method 5035 using a TerraCore™ sampling device which required collecting 5-gram aliquots of soil using a disposable, laboratory-supplied plunger and deposited directly into supplied vials.

After labeling, the soil samples were logged onto chain-of-custody forms, sealed in plastic bags, and placed in an ice-chilled cooler for transportation to Enthalpy under proper chain-of-custody protocols.

2.2.4 Soil Sample Analysis

A total of 118 soil samples were initially proposed to be collected during the investigation. Samples in the hand augured borings were collected at depths of 1, 3, and 5-feet bgs. Samples in the borings advanced with the DPT drilling rig were collected at depths of 1, 5, 10, and 15-feet bgs. The 5-foot samples from hand augured borings and 15-foot samples in DPT borings were placed on hold with the laboratory, pending the results of the initial samples.

A total of 81 primary and 8 duplicate samples were analyzed using the methods listed below and shown in sampling and analysis plan in Table 1:

- Borings SB-02 to SB-04, SB-06 to SB-23, and SB-25 to SB-40: 72 soil samples and 8 duplicate samples were analyzed for arsenic and lead using United States Environmental Protection Agency (USEPA) Method 6020.
- Borings SB-02, SB-03, SB-04, SB-06, SB-11, SB-12, SB-15, SB-19, SB-22, SB-22, SB-30, SB-32, and SB-37: 13 soil samples were analyzed for metals and mercury using USEPA Methods 6010B and 7471A, respectively.
- SB-02 to SB-04, SB-06 to SB-22, and SB-25 to SB-39: 70 soil samples and 8 duplicate samples were analyzed for OCPs using USEPA Method 8081.
- Borings SB-02, SB-06, SB-11, SB-12, SB-15, SB-19, SB-22, SB-26, SB-30, SB-32, and SB-37: 11 soil samples were analyzed for asbestos using polarized light microscopy in accordance with USEPA's

"Interim Method for the Determination of Asbestos in Bulk Insulation Samples" as found in 40 CFR 763, Subpart E, Appendix E (EPA/600/R-93/116) and PAHs by USEPA Method 8270.[4]

- Borings SB-02, SB-06, SB-11, SB-06, SB-11, SB-12, SB-15, SB-19, SB-21, SB-22, SB-26, SB-30, SB-32, SB-35, SB-36, SB-37, SB-38, and SB-39: 16 soil samples and 1 duplicate sample were analyzed for PCBs using USEPA Method 8082.
- Borings SB-03, SB-03, SB-04, SB-18, SB-23, and SB-24: 15 soil samples were analyzed for TPH as gasoline (TPH-g), and 10 of those samples were also analyzed for TPH as diesel (TPH-d) and motor oil (TPH-mo), using USEPA Method 8015.
- Borings SB-01, SB-02, SB-03, SB-04, SB-23, SB-24, and SB-40: 15 soil samples were analyzed for VOCs using USEPA Method 8260B.

2.3 Field Quality Assurance/Quality Control Samples

Field quality assurance (QA)/quality control (QC) samples were collected during the investigation and included duplicate samples, equipment blanks, and trip blanks. Eight duplicate samples were collected and analyzed at an approximate rate of 10 percent of the primary samples analyzed. A total of two equipment blank samples were collected for the investigation, one at the completion of each field day, by pouring distilled water over the decontaminated hand auger bucket and collecting the poured water in laboratory-supplied sample containers. The equipment blank samples were analyzed for the COPCs that were sampled for that day. Trip blanks were provided by the laboratory and were placed in cooler with samples analyzed for VOCs. The laboratory data packages included standard QC for method blanks, matrix spike (MS)/MS duplicates (MSD), surrogate recoveries, and laboratory control samples (LCS)/duplicates, as specified by the individual methods. The laboratory also assigned laboratory data qualifiers, as appropriate, in accordance with the individual methods.

2.4 Investigation-Derived Waste

Soil generated from the hand auger borings was reused on Site as borehole backfill. A small amount of water used to decontaminate the sampling equipment and soil generated from the DPT borings SB-23 and SB-24 is stored within a 55-gallon drum on the Site. One drum waste sample was collected on April 5, 2023, and analyzed for the following:

- Title 22 metals and mercury using USEPA Methods 6010B and 7471A, respectively.
- TPH-g, TPH-d, and TPH-mo using USEPA Method 8015.
- VOCs using USEPA Method 8260B.

The soil waste sample results indicated the investigation-derived waste is classified as non-hazardous. The soil drum is stored at the Site and is pending profiling and lawful off-site disposal.

[4] Asbestos, https://www.epa.gov/sites/default/files/documents/2003pt763_0.pdf

2.5 Deviations from PEA-E Workplan

The PEA-E investigation was conducted in accordance with the LAUSD-approved PEA-E Workplan (Terraphase 2023) with the following variances:

- The locations of borings were moved slightly from their originally proposed location to avoid subsurface utilities.
- Soil boring SB-05, located within the photograph development lab in the first floor of building 100 was eliminated from the investigation due to safety concerns associated with a live electrical line encountered during coring.
- TPH-d and TPH-mo were not analyzed in soil samples from soil boring SB-24 because adequate sample volume was not collected.

3 Soil Analytical Results and Comparison to Human Health Screening Levels

This section summarizes the results for the soil sampling conducted at the Site in April 2023. Soil analytical results are presented in Tables 2 through 8. Laboratory analytical reports and sample chain-of-custody documents are presented in Appendix D.

3.1 Soil Screening Levels

Soil analytical results are compared to the following screening criteria:

- **Arsenic.** The Southern California background arsenic concentration of 12 milligrams per kilogram (mg/kg) was used (Chernoff, Bosan, and Oudiz 2008).
- **OCPs, PAHs PCBs, VOCs, and Title 22 metals excluding arsenic.** Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Note 3 DTSC-modified screening levels in residential scenarios (DTSC-SLs; DTSC, 2022). If the compound is not listed, USEPA Region 9 Regional Screening Level (RSL) for residential soil for each individual compound detected (USEPA 2019).
- **Asbestos.** The California Occupational Safety and Health Administration (Cal OSHA)[5] asbestos-containing construction material threshold of 0.1% asbestos by weight.
- **TPH**. The San Francisco Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Level (ESLs) Direct Exposure Human Health Risk Level (HHRL) for residential soil (SFRWQCB 2019).

[5] https://www.dir.ca.gov/dosh/acru/acruregistration.htm

3.2 Asbestos

Asbestos was not detected above laboratory reporting limits (RLs) in any of the samples analyzed. Soil sample analytical data for VOCs are summarized in Table 2.

3.3 Metals

The following subsections summarize soil metals results. Soil sample analytical data for metals are summarized in Table 3.

3.3.1 Arsenic

Arsenic was detected above the RLs in all 72 primary and 8 duplicate samples analyzed, at concentrations ranging between 1.8 and 79 milligrams per kilogram (mg/kg; SB-04-1.0 and SB-13-1.0, respectively). Three samples exceeded the Southern California background arsenic concentration of 12 mg/kg, with concentrations of 13 mg/kg (SB-25-1.0 and SB-36-1.0) and 79 mg/kg (SB-13-1.0). Arsenic above the screening criteria was only detected in samples collected from 1.0 feet bgs and no soil samples from depths of 3 feet bgs or deeper contained concentrations of arsenic above the screening criteria of 12 mg/kg.

3.3.2 Lead

Lead was detected above the RLs in all 74 primary and 8 duplicate samples analyzed at concentrations ranging between 3 and 200 mg/kg (SB-36-3.0 and SB-22-1.0, respectively). Five samples, including two duplicate samples (DUP-04, SB-22-1.0, SB-34-3.0, DUP-08, and SB-36-1.0) exceeded the DTSC-SL of 80 mg/kg at concentrations ranging from 92 to 200 mg/kg. Soil samples SB-14-5.0 and SB-34-5.0 were taken off hold due to exceedances in 3-foot samples DUP-04 and SB-34-3.0, respectively, and were analyzed for lead USEPA Method 6020. Lead was detected in the samples at concentrations of 8.2 and 53 mg/kg, respectively, below the DTSC-SL. No other samples from depths of 3 feet bgs or deeper had concentrations of lead above the DTSC-SL of 80 mg/kg.

3.3.3 All Other Metals

A total of 13 soil samples were analyzed for Title 22 metals using USEPA method 6010B. These metals included antimony, barium, beryllium, cadmium, chromium, cobalt, copper, mercury, molybdenum, nickel, selenium, silver, vanadium, and zinc, and excluded arsenic and lead which were obtained from USEPA method 6020. These metals were not detected in any of the samples at concentrations which exceeded the relevant screening criteria.

3.4 OCPs

A total of 78 samples, including 8 duplicate samples, were analyzed for OCPs. Dieldrin, 4,4-DDD, 4,4-DDE, 4,4-DDT, and chlordane were detected above RLs in several of the samples analyzed for OCPs.

None of these detections were above relevant screening criteria for any of the OCPs. Soil sample analytical data for OCPs are summarized in Table 4.

3.5 PAHs

A total of 11 samples were analyzed for PAHs. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, and fluoranthene were detected above RLs in 4 samples analyzed for PAHs. None of these detections were above relevant screening criteria for PAHs. Soil sample analytical data for PAHs are summarized in Table 5.

3.6 PCBs

PCBs Aroclors 1254 and 1260 were detected above RLs in 2 of the 17 samples. The detections were below the relevant screening criteria. Soil sample analytical data for PCBs are summarized in Table 6.

3.7 TPH

TPH-g was not detected above RLs in any of the 13 samples analyzed. TPH-d was detected in 5 samples and TPH-mo was detected in 6 samples above the RLs. None of the TPH concentrations exceeded the relevant screening criteria for TPH. Soil sample analytical data for TPH is summarized in Table 7.

3.8 VOCs

Acetone, benzene, and p-isopropyltoluene were detected in several of the 15 samples analyzed for VOCs. None of the detections were above the relevant screening criteria for VOCs. Soil sample analytical data for VOCs are summarized in Table 8.

3.9 Leaching Analyses

Select soil samples with arsenic or lead concentrations above screening levels were extracted and the leachate was analyzed.

3.9.1 Arsenic

Sample SB-13-1.0 was extracted using the USEPA Soluble Threshold Limit Concentration (STLC) Waste Extraction Test (WET) procedure and the leachate was analyzed for arsenic using USEPA Method 6020. The resulting STLC arsenic results were detected above RLs at a concentration of 0.69 micrograms per liter (mg/L), which is below the STLC regulatory level for arsenic of 5 mg/L.

3.9.2 Lead

Ten soil samples contained lead concentrations exceeding the STLC rule of thumb threshold of 50 mg/kg. Of these exceedances, 8 samples were extracted using the STLC WET procedure. Duplicate samples DUP-05 and DUP-08 exceeded the STLC threshold but were not extracted because their primary samples (SB-21-1.0 and SB-34-3.0, respectively) had similar results and both were extracted using the

WET procedure. Four of the 8 samples had lead concentrations exceeding the USEPA Toxicity Characteristic Leaching Procedure (TCLP) threshold of 100 mg/kg and were extracted using the TCLP.

Lead was detected in all leachate samples above RLs. The concentrations of lead in the STLC samples ranged from 0.097 to 1.3 mg/L (DUP-07 and SB-34-3.0, respectively), and the TCLP samples had estimated concentrations of 0.0054 to 0.14 mg/L (SB-34-3.0 and DUP-04, respectively). All lead leachate concentrations were below STLC and TCLP regulatory levels for lead of 5 mg/L. All lead leachate samples were analyzed for lead using USEPA Method 6020.

3.10 95UCL Analysis

The USEPA guidance "Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites" (2002) recommends using the average concentration to represent a reasonable estimate of the concentration for a given site. However, the agency further recommends that due to the uncertainty associated with estimating a true average concentration, the 95 percent upper confidence limit (95UCL) of the arithmetic mean be used for this value. As such, a site-wide data evaluation was conducted to identify the 95 percent UCL for arsenic and lead in soil at the Site.

Terraphase inputted the concentrations of arsenic from 80 soil samples and of lead in 82 soil samples into USEPA's ProUCL software to calculate the 95UCL for arsenic and lead for the Site. Based on the results of the statistical evaluation, the calculated 95UCL for arsenic was 8.12 mg/kg and the 95UCL for lead was 37.66 mg/kg. Each calculated concentration is below the screening criteria for the Site. The 95UCL calculations are presented in Appendix E.

4 QA/QC

The laboratory analytical reports and case narratives were reviewed to verify correct sample designation, identification, and chain-of-custody records, and to ensure that analytical method, holding time, and detection limit requirements were met. In the duplicate soil samples (DUP-01 to DUP-08) OCPs for all duplicate samples and PCBs for sample DUP-05 were analyzed outside of the laboratory hold times. The OCP and PCB results for duplicate samples were consistent with the corresponding primary samples and the affected data was qualified.

Laboratory quality control samples such as method blanks, surrogate recoveries, matrix spike/matrix spike duplicates, and compound quantitation were reviewed. Flags applied by the laboratory did not impact the usability for the intended purpose of this assessment.

5 Community Profile

Community profile information for the 90022 zip code and participation are described briefly below.

5.1 Community Demographics

According to the 2021 American Community Survey, the demographic profile for 90022 is documented as follows:[6]

- Total population: 65,110
- Median Age: 32.7
- Population 25 years and over: 64.1 percent
- Male: 32,798 (50.4 percent)
- Female: 32,312 (49.6 percent)
- Population by race:
  - White: 26,918 (41.3 percent)
  - Black or African American: 376 (0.6 percent)
  - American Indian and Alaska Native: 1,405 (2.2 percent)
  - Asian: 726 (1.1 percent)
  - Native Hawaiian and Pacific Islander: 16 (0.0 percent)
  - Other: 28,140 (43.2 percent)
  - Two or More Races: 7,529 (11.6 percent)
- Total Households: 18,077

5.2 Local Participation and Involvement

On March 17, 2023, Terraphase distributed notices to the Garfield HS administrative counter to provide the community members with information regarding PEA-E activities. Terraphase also laminated and posted the notice on the fence at each of the four sides of the Site. At the direction of LAUSD's Office of Environmental Health and Safety, several notices were distributed to residences along East 6th Street to the south of the Site. English and Spanish translations of the notice were provided. Field sampling activities for the PEA-E study were conducted during school holidays or weekends to minimize disturbance to school activities.

6 Conclusions and Recommendations

Terraphase's PEA-E investigation conclusions and recommendations are presented in this section.

[6] https://data.census.gov/table?q=90032&tid=ACSDP5Y2019.DP05

6.1 Summary and Conclusions

The PEA investigation included performing soil sampling in general accordance with the PEA-E Work Plan (Terraphase 2023).

Soil samples collected from various locations across the Site were analyzed for asbestos, OCPs, metals (including arsenic and lead), PAHs, PCBs, TPH, and VOCs. The concentrations of COPCs in soil are summarized as follows and as shown in Tables 2 through 8:

- **Arsenic.** Arsenic concentrations exceeded the Southern California background arsenic concentration of 12 mg/kg in three locations. Using all the arsenic concentrations from the Site samples, a 95UCL concentration for arsenic was calculated as 8.12 mg/kg for the Site, below the screening criterion for arsenic.
- **Lead.** Lead concentrations in soil samples exceeded the DTSC-SL of 80 mg/kg in five soil samples. Using all detections of lead from the Site samples, a 95UCL concentration for lead was calculated as 37.66 mg/kg for the Site, below the screening criterion for lead.
- **Asbestos, OCPs, PAHs, PCBs, Title 22 metals (excluding arsenic and lead), TPH, VOCs.** Various detections of remaining COPCs were observed in shallow soil samples throughout the Site above RLs. All detections were below applicable screening criteria and are not considered a concern at the Site.
- Concentrations of arsenic and lead in leachate were below the STLC and TCLP criteria indicating that soil will likely be able to be removed as non-hazardous.

6.2 Recommendations

The calculated 95UCL concentrations for arsenic and lead for the Site soil were below their respective screening criteria, and SCAQMD Rule 1466 regulations are not applicable for the proposed redevelopment activities. Terraphase recommends excavating and removing shallow soil impacted with arsenic and lead from areas which exceeded the screening criteria of 12 mg/kg and 80 mg/kg, respectively. Terraphase recommends development of a Site-specific Soil Removal Plan (SRP) to govern excavation, segregation, and proper handling of soil with arsenic and lead exceedances discovered during the PEA-E.

7 Public Participation

This PEA-E was prepared as a supporting document for the Initial Study/Mitigated Negative Declaration (IS/MND) by LAUSD for the major modernization project planned at the Site, as required by the California Environmental Quality Act (CEQA). A copy of the Notice of Intent (NOI) for the PEA-E is provided in Appendix F. Public outreach of the IS/MND and the PEA-E included the following activities:

- Distributing 2,979 copies of the NOI to the student, parent and guardian list, to all addresses within 0.25 miles of the school, to eight State and local agencies, five elected officials, the Los Angeles Register-Recorder, the County Clerk, and the State Clearinghouse.

- Publishing the NOI in the legal announcement sections of the Daily News (English) and in La Opinión (Spanish) newspapers on April 17, 2024
- Posting digital copies of the Draft Final PEA-E Report as an appendix to the public IS/MND for public review at the LAUSD OHES (https://www.lausd.org/ceqa) and the California State Clearinghouse (https://ceqanet.opr.ca.gov/) websites.
- Providing hard copies of the Draft Final PEA-E Report for public review at Garfield High School main office (5101 East 6th Street in East Los Angeles, California).

A virtual public meeting was held via Zoom on Wednesday, May 8, 2024 at 6:00 PM. Comments from the public on the on the IS/MND were accepted from April 17, 2024 to May 17, 2024. Formal comments sent to LAUSD OEHS pertaining to project design specifications, construction details, and public engagement procedures were addressed and are included in Appendix G. None of the comments in the public meeting pertained to the environmental interpretations presented in this PEA-E.

8 References

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Table 1
Sampling and Analysis Plan
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

Boring	Location Description	Depth (ft-bgs)	Arsenic (EPA 6020)	OCPs (EPA 8081A)	Lead (EPA 6020)	Asbestos (EPA PLM)	Title 22 Metals (EPA 6010B/ 7471)	VOCs (EPA 8260B)	TPH (EPA 8015B)	PCBs (EPA 8082)	PAHs (EPA 8270C)	Sampling Rationale
SB-01	South of building 700, north of building 100	1	--	--	--	--	--	X	--	--	--	Assess potential VOC impacts from print shop and spray painting booth in adjacent building 700
		3	--	--	--	--	--	X	--	--	--	
SB-02	Adjacent and north of building 100	6	X	X	X	X	X	X	X	X	X	Assess impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; potential VOC, TPH and metals impacts from photo development laboratory in building 100; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		8	X	X	X	--	--	X	X	--	--	
SB-03	Adjacent to northwest side of building 100	6	X	X	X	--	X	X	X	--	--	Assess impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; potential VOC, TPH and metals impacts from photo development laboratory in building 100.
		8	X	X	X	--	--	X	X	--	--	
SB-04	Adjacent to northeast side of building 100	1	X	X	X	--	X	X	X	--	--	Assess impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; potential VOC, TPH and metals impacts from photo development laboratory in building 100.
		3	X	X	X	--	--	X	X	--	--	
SB-06	Adjacent to west side of building 100	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-07	North central parking lot beneath of building 100	1	X	X	X	--	--	--	--	--	--	Assess potential impacts to the area beneath building 100 due to application of agricultural chemicals prior to construction as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-08	Adjacent to east side of building 100	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-09	Adjacent to west side of building 100	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-10	South central parking lot beneath of building 100	1	X	X	X	--	--	--	--	--	--	Assess potential impacts to the area beneath building 100 due to application of agricultural chemicals prior to construction as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-11	Adjacent to east side of building 100	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-12	Adjacent to southwest side of building 100	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-13	Adjacent to south side of building 100	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-14	Adjacent to north side of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of building 200 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-15	Adjacent to north side of building 200	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 200 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-16	West central parking lot beneath of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of a previously existing building due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-17	East central parking lot beneath of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of a previously existing building due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-18	Adjacent to east side of building 200	1	X	X	X	--	--	--	X	--	--	Assess potential impacts along driplines building 200 due to application of agricultural chemicals as well as lead from building materials; potential TPH impacts from a nearby elevator.
		3	X	X	X	--	--	--	--	--	--	
SB-19	Adjacent to southwest side of building 200	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 200 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-20	Adjacent to south side of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of building 200 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-21	Adjacent to south side of building 200	1	X	X	X	--	--	--	--	X	--	Assess potential impacts along driplines of building 200 due to application of agricultural chemical as well as lead from building materials; potential PCB impacts due to adjacent electrical transformers.
		3	X	X	X	--	--	--	--	--	--	
SB-22	Adjacent to southeast side of building 200	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 200 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-23	West of building 300	1	X	--	X	--	--	X	X	--	--	Assess potential VOC and TPH impacts from the influent end of a three-stage clarifier located west of building 300; potential impacts along driplines of building 300 due to application of agricultural chemicals and lead from building materials; depth of boring beyond 10 feet will be based on measured depth of clarifier reservoirs.
		5	--	--	--	--	--	X	X	--	--	
		10	--	--	--	--	--	X	X	--	--	
SB-24	West of building 300	1	--	--	--	--	--	X	X	--	--	Assess potential VOC and TPH impacts from the effluent end of a three-stage clarifier located west of building 300; depth of boring beyond 10 feet will be based on mea.sured depth of clarifier reservoirs
		5	--	--	--	--	--	X	X	--	--	
		10	--	--	--	--	--	X	X	--	--	

Table 1
Sampling and Analysis Plan
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

Boring	Location Description	Depth (ft-bgs)	Arsenic (EPA 6020)	OCPs (EPA 8081A)	Lead (EPA 6020)	Asbestos (EPA PLM)	Title 22 Metals (EPA 6010B/ 7471)	VOCs (EPA 8260B)	TPH (EPA 8015B)	PCBs (EPA 8082)	PAHs (EPA 8270C)	Sampling Rationale
SB-25	Adjacent to north side of building AA-336	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of portable building AA-336 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-26	Adjacent to north side of building AA-336	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of portable building AA-336 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-27	Adjacent to north side of building AA-336	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of portable building AA-336 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-28	Adjacent to north side of building AA-336	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of portable building AA-336 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-29	Adjacent to north side of building AA-336	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-30	Adjacent to north side of building AA-336	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-31	Parking lot 75 feet south of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-32	Parking lot 50 feet west of building AA-2554	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-33	Parking lot 50 feet west of building AA-2554	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-34	Parking lot 30 feet south of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
		5	--	--	X	--	--	--	--	--	--	
SB-35	Parking lot 30 feet south of building 200	1	X	X	X	--	--	--	--	X	--	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials; potential PCB impacts due to adjacent electrical transformers.
		3	X	X	X	--	--	--	--	--	--	
SB-36	Adjacent to northeast side of building AA-2554	1	X	X	X	--	--	--	--	X	--	Assess potential along driplines of portable building AA-2554 due to application of agricultural chemicals as well as lead from building materials; potential PCB impacts due to adjacent electrical transformers.
		3	X	X	X	--	--	--	--	--	--	
SB-37	Adjacent to west side of building AA-2554	1	X	X	X	X	X	--	--	X	X	Assess potential impacts to driplines of portable building AA-2554 due to application of agricultural chemicals as well as lead from building materials; ridentify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-38	Adjacent to east side of building AA-2554	1	X	X	X	--	--	--	--	X	--	Assess potential impacts to driplines of portable building AA-2554 due to application of agricultural chemicals as well as lead from building materials; potential PCB impacts due to adjacent electrical transformers.
		3	X	X	X	--	--	--	--	--	--	
SB-39	Adjacent to south side of building AA-2554	1	X	X	X	--	--	--	--	X	--	Assess potential impacts to driplines of portable building AA-2554 due to application of agricultural chemicals as well as lead from building materials; potential PCB impacts due to adjacent electrical transformers.
		3	X	X	X	--	--	--	--	--	--	
SB-40	East of building 200 and west of building 300 adjacent to sewer line	1	X	--	X	--	--	--	--	--	--	Assess potential impacts to shallow soil adjacent to sewer line due to application of agricultural chemicals; VOC concentrations at a depth, based on ground penetrating radar readings, which corresponds to the bottom of the adjacent sewer line.
		3	--	--	--	--	--	X	--	--	--	

Notes:
bgs = belows ground surface
OCPs = organochlorine pesticides
PCBs = polychlorinated biphenyls
PLM = polarized light microscopy
TBD = to be determined boring depth
TPH = total petroleum hydrocarbon
U.S. EPA = United States Environmental Protection Agency
VOCs = volatile organic compounds
X = sample was analyzed
-- = not analyzed

Table 2
Soil Analytical Results - Asbestos
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

					Asbestos
					Asbestos fibers
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	%
CA OSHA ACCM Threshold[1]					0.1
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	ND
SB-06	SB-06-1.0	1 - 1.5	04/04/2023	482773	ND
SB-11	SB-11-1.0	1 - 1.5	04/04/2023	482773	ND
SB-12	SB-12-1.0	1 - 1.5	04/04/2023	482773	ND
SB-15	SB-15-1.0	1 - 1.5	04/05/2023	482858	ND
SB-19	SB-19-1.0	1 - 1.5	04/04/2023	482773	ND
SB-22	SB-22-1.0	1 - 1.5	04/05/2023	482858	ND
SB-26	SB-26-1.0	1 - 1.5	04/04/2023	482773	ND
SB-30	SB-30-1.0	1 - 1.5	04/04/2023	482773	ND
SB-32	SB-32-1.0	1 - 1.5	04/04/2023	482773	ND
SB-37	SB-37-1.0	1 - 1.5	04/04/2023	482773	ND

Notes:
Detected concentrations are **bold-faced**
Shaded cells exceeded their respective screening level
- = Not analyzed or not applicable
< = analyte not detected at or above laboratory reporting limit
ACCM = asbestos-containing construction materials
CA OSHA = California Occupational Safety and Health Administration
ft bgs = feet below ground surface
J = estimated below laboratory reporting limit
mg/kg= milligrams per kilogram
ND = not detected
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group
Environmental Standards
1. CA OSHA California Division of Occupational Safety and Health (DOSH) ACCM threshold of 0.1 percent asbestos by weight

Table 3

Soil Analytical Results - Metals

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Metal																			
					Antimony	Arsenic	Arsenic (STLC)	Barium	Beryllium	Cadmium	Chromium (III+VI)	Cobalt	Copper	Lead	Lead (STLC)	Lead (TCLP)	Nickel	Molybdenum	Mercury	Selenium	Silver	Thallium	Vanadium	Zinc
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
CA Specific Arsenic Background[1]					-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DTSC-SLs Soil Res[2]					-	0.11	-	-	16	7.1	-	-	-	80	-	-	820	-	1	-	-	-	-	-
EPA RSLs Soil Res[3]					31	0.68	-	15,000	160	7.1	-	23	3,100	400	-	-	1,500	390	11	390	390	0.78	390	23,000
Soluble Threshold Limit Concentration (STLC)[4]					-	-	5	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
Toxicity Characteristic Leaching Procedure (TCLP)[4]					-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	**1.5 J**	**5.8**	-	**140**	<0.50	<0.50	**36**	**12**	**25**	**6.1**	-	-	**25**	**0.66 J**	**0.045 J**	**0.35 J**	<0.50	**0.18 J**	**56**	**55**
	SB-02-8.0	8 - 8.5	04/05/2023	482858	-	**5.2**	-	-	-	-	-	-	-	**5.7**	-	-	-	-	-	-	-	-	-	-
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	**0.96 J**	**5.4**	-	**140**	<0.48	<0.48	**33**	**12**	**24**	**5.7**	-	-	**23**	**0.54 J**	**0.049 J**	**0.52 J**	<0.48	**0.18 J**	**53**	**52**
	SB-03-8.0	8 - 8.5	04/05/2023	482858	-	**5.8**	-	-	-	-	-	-	-	**6.4**	-	-	-	-	-	-	-	-	-	-
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	**0.53 J**	**1.8**	-	**59**	<0.50	<0.50	**11**	**4.9**	**13**	**5.1**	-	-	**6.9**	<0.99	**0.091 J**	<3.0	<0.50	<0.99	**34**	**36**
	SB-04-3.0	3 - 3.5	04/05/2023	482858	-	**5.0**	-	-	-	-	-	-	-	**5.6**	-	-	-	-	-	-	-	-	-	-
SB-06	SB-06-1.0	1 - 1.5	04/04/2023	482773	<3.0	**6.4***	-	**130**	**0.54**	**0.40 J**	**32**	**11**	**21**	**5.7***	-	-	**23**	**0.67 J**	**0.034 J**	<3.0	<0.50	<0.97	**48**	**60**
	SB-06-3.0	3 - 3.5	04/04/2023	482773	-	**5.3**	-	-	-	-	-	-	-	**5.5**	-	-	-	-	-	-	-	-	-	-
SB-07	SB-07-1.0	1 - 1.5	04/04/2023	482773	-	**5.5**	-	-	-	-	-	-	-	**6.5**	-	-	-	-	-	-	-	-	-	-
	SB-07-3.0	3 - 3.5	04/04/2023	482773	-	**5.2**	-	-	-	-	-	-	-	**7.0**	-	-	-	-	-	-	-	-	-	-
SB-08	SB-08-1.0	1 - 1.5	04/04/2023	482773	-	**5.2**	-	-	-	-	-	-	-	**11**	-	-	-	-	-	-	-	-	-	-
	DUP-01		04/04/2023	484731	-	**5.5**	-	-	-	-	-	-	-	**7.4**	-	-	-	-	-	-	-	-	-	-
	SB-08-3.0	3 - 3.5	04/04/2023	482773	-	**6.0**	-	-	-	-	-	-	-	**5.8**	-	-	-	-	-	-	-	-	-	-
	DUP-02		04/04/2023	484731	-	**5.7**	-	-	-	-	-	-	-	**6.3**	-	-	-	-	-	-	-	-	-	-
SB-09	SB-09-1.0	1 - 1.5	04/04/2023	482773	-	**5.7**	-	-	-	-	-	-	-	**5.7**	-	-	-	-	-	-	-	-	-	-
	SB-09-3.0	3 - 3.5	04/04/2023	482773	-	**5.5**	-	-	-	-	-	-	-	**5.5**	-	-	-	-	-	-	-	-	-	-
SB-10	SB-10-1.0	1 - 1.5	04/04/2023	482773	-	**4.7**	-	-	-	-	-	-	-	**7.3**	-	-	-	-	-	-	-	-	-	-
	SB-10-3.0	3 - 3.5	04/04/2023	482773	-	**5.7**	-	-	-	-	-	-	-	**6.0**	-	-	-	-	-	-	-	-	-	-
SB-11	SB-11-1.0	1 - 1.5	04/04/2023	482773	<2.9	**4.5***	-	**110**	**0.49**	**0.31 J**	**26**	**9.3**	**19**	**5.7***	-	-	**18**	**0.39 J**	**0.19**	<2.9	<0.48	**0.20 J**	**46**	**58**
	SB-11-3.0	3 - 3.5	04/04/2023	482773	-	**5.6**	-	-	-	-	-	-	-	**5.7**	-	-	-	-	-	-	-	-	-	-
SB-12	SB-12-1.0	1 - 1.5	04/04/2023	482773	<2.9	**5.3***	-	**140**	**0.57**	**0.40 J**	**36**	**11**	**23**	**5.6***	-	-	**26**	**0.81 J**	**0.025 J**	<2.9	<0.49	**0.21 J**	**54**	**65**
	SB-12-3.0	3 - 3.5	04/04/2023	482773	-	**5.4**	-	-	-	-	-	-	-	**5.3**	-	-	-	-	-	-	-	-	-	-
SB-13	SB-13-1.0	1 - 1.5	04/04/2023	482773	-	**79**	**0.69**	-	-	-	-	-	-	**26**	-	-	-	-	-	-	-	-	-	-
	SB-13-3.0	3 - 3.5	04/04/2023	482773	-	**5.7**	-	-	-	-	-	-	-	**5.6**	-	-	-	-	-	-	-	-	-	-
SB-14	SB-14-1.0	1 - 1.5	04/05/2023	482858	-	**4.1**	-	-	-	-	-	-	-	**12**	-	-	-	-	-	-	-	-	-	-
	DUP-03		04/05/2023	484731	-	**3.3**	-	-	-	-	-	-	-	**10**	-	-	-	-	-	-	-	-	-	-
	SB-14-3.0	3 - 3.5	04/05/2023	482858	-	**6.2**	-	-	-	-	-	-	-	**39**	-	-	-	-	-	-	-	-	-	-
	DUP-04		04/05/2023	484731	-	**6.3**	-	-	-	-	-	-	-	**200**	**0.75**	**0.14 J**	-	-	-	-	-	-	-	-
	SB-14-5.0	4.5 - 5	04/05/2023	484731	-	-	-	-	-	-	-	-	-	**53**	**0.94**	-	-	-	-	-	-	-	-	-
SB-15	SB-15-1.0	1 - 1.5	04/05/2023	482858	**1.3 J**	**4.8***	-	**110**	<0.49	<0.49	**30**	**9.0**	**20**	**15***	-	-	**17**	**0.80 J**	**0.021 J**	<2.9	<0.49	**0.26 J**	**45**	**62**
	SB-15-3.0	3 - 3.5	04/05/2023	482858	-	**5.3**	-	-	-	-	-	-	-	**25**	-	-	-	-	-	-	-	-	-	-
SB-16	SB-16-1.0	1 - 1.5	04/04/2023	482773	-	**4.8**	-	-	-	-	-	-	-	**28**	-	-	-	-	-	-	-	-	-	-
	SB-16-3.0	3 - 3.5	04/04/2023	482773	-	**5.9**	-	-	-	-	-	-	-	**8.9**	-	-	-	-	-	-	-	-	-	-
SB-17	SB-17-1.0	1 - 1.5	04/04/2023	482773	-	**5.1**	-	-	-	-	-	-	-	**20**	-	-	-	-	-	-	-	-	-	-
	SB-17-3.0	3 - 3.5	04/04/2023	482773	-	**5.1**	-	-	-	-	-	-	-	**12**	-	-	-	-	-	-	-	-	-	-
SB-18	SB-18-1.0	1 - 1.5	04/05/2023	482858	-	**5.7**	-	-	-	-	-	-	-	**15**	-	-	-	-	-	-	-	-	-	-
	SB-18-3.0	3 - 3.5	04/05/2023	482858	-	**4.7**	-	-	-	-	-	-	-	**5.8**	-	-	-	-	-	-	-	-	-	-
SB-19	SB-19-1.0	1 - 1.5	04/04/2023	482773	<2.9	**5.5***	-	**130**	**0.47 J**	**0.44 J**	**30**	**22**	**23**	**40***	-	-	**24**	**0.60 J**	**0.15 J**	<2.9	<0.48	**0.18 J**	**47**	**91**
	SB-19-3.0	3 - 3.5	04/04/2023	482773	-	**4.9**	-	-	-	-	-	-	-	**5.8**	-	-	-	-	-	-	-	-	-	-

Table 3

Soil Analytical Results - Metals

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Metal																			
					Antimony	Arsenic	Arsenic (STLC)	Barium	Beryllium	Cadmium	Chromium (III+VI)	Cobalt	Copper	Lead	Lead (STLC)	Lead (TCLP)	Nickel	Molybdenum	Mercury	Selenium	Silver	Thallium	Vanadium	Zinc
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
CA Specific Arsenic Background[1]					-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DTSC-SLs Soil Res[2]					-	0.11	-	-	16	7.1	-	-	-	80	-	-	820	-	1	-	-	-	-	-
EPA RSLs Soil Res[3]					31	0.68	-	15,000	160	7.1	-	23	3,100	400	-	-	1,500	390	11	390	390	0.78	390	23,000
Soluble Threshold Limit Concentration (STLC)[4]					-	-	5	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
Toxicity Characteristic Leaching Procedure (TCLP)[4]					-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
SB-20	SB-20-1.0	1 - 1.5	04/04/2023	482773	-	**4.8**	-	-	-	-	-	-	-	**15**	-	-	-	-	-	-	-	-	-	-
	SB-20-3.0	3 - 3.5	04/04/2023	482773	-	**4.6**	-	-	-	-	-	-	-	**43**	-	-	-	-	-	-	-	-	-	-
SB-21	SB-21-1.0	1 - 1.5	04/04/2023	482773	-	**6.6**	-	-	-	-	-	-	-	**65**	**0.75**	-	-	-	-	-	-	-	-	-
	DUP-05		04/04/2023	484731	-	**3.7**	-	-	-	-	-	-	-	**61**	-	-	-	-	-	-	-	-	-	-
	SB-21-3.0	3 - 3.5	04/04/2023	482773	-	**4.8**	-	-	-	-	-	-	-	**6.5**	-	-	-	-	-	-	-	-	-	-
	DUP-06		04/04/2023	484731	-	**4.8**	-	-	-	-	-	-	-	**9.5**	-	-	-	-	-	-	-	-	-	-
SB-22	SB-22-1.0	1 - 1.5	04/05/2023	482858	**1.2 J**	**6.0**	-	**180**	<0.49	<0.49	**37**	**10**	**27**	**150**	**0.28**	**0.0085 J**	**25**	**1.0**	**0.032 J**	**0.80 J**	<0.49	<0.95	**55**	**100**
	SB-22-3.0	3 - 3.5	04/05/2023	482858	-	**5.6**	-	-	-	-	-	-	-	**13**	-	-	-	-	-	-	-	-	-	-
SB-23	SB-23-1.0	1 - 1.5	04/05/2023	482858	-	**3.7**	-	-	-	-	-	-	-	**17**	-	-	-	-	-	-	-	-	-	-
SB-25	SB-25-1.0	1 - 1.5	04/04/2023	482773	-	**13**	-	-	-	-	-	-	-	**17**	-	-	-	-	-	-	-	-	-	-
	SB-25-3.0	3 - 3.5	04/04/2023	482773	-	**5.1**	-	-	-	-	-	-	-	**6.6**	-	-	-	-	-	-	-	-	-	-
SB-26	SB-26-1.0	1 - 1.5	04/04/2023	482773	<2.9	**5.0***	-	**130**	**0.56**	**0.41 J**	**34**	**11**	**23**	**5.6***	-	-	**25**	**0.75 J**	**0.016 J**	<2.9	<0.49	**0.27 J**	**50**	**67**
	SB-26-3.0	3 - 3.5	04/04/2023	482773	-	**5.2**	-	-	-	-	-	-	-	**6.0**	-	-	-	-	-	-	-	-	-	-
SB-27	SB-27-1.0	1 - 1.5	04/04/2023	482773	-	**5.4**	-	-	-	-	-	-	-	**13**	-	-	-	-	-	-	-	-	-	-
	SB-27-3.0	3 - 3.5	04/04/2023	482773	-	**5.6**	-	-	-	-	-	-	-	**5.7**	-	-	-	-	-	-	-	-	-	-
SB-28	SB-28-1.0	1 - 1.5	04/05/2023	482858	-	**5.9**	-	-	-	-	-	-	-	**44**	-	-	-	-	-	-	-	-	-	-
	SB-28-3.0	3 - 3.5	04/05/2023	482858	-	**5.5**	-	-	-	-	-	-	-	**5.5**	-	-	-	-	-	-	-	-	-	-
SB-29	SB-29-1.0	1 - 1.5	04/04/2023	482773	-	**5.1**	-	-	-	-	-	-	-	**5.9**	-	-	-	-	-	-	-	-	-	-
	SB-29-3.0	3 - 3.5	04/04/2023	482773	-	**5.4**	-	-	-	-	-	-	-	**5.6**	-	-	-	-	-	-	-	-	-	-
SB-30	SB-30-1.0	1 - 1.5	04/04/2023	482773	<2.9	**2.2***	-	**110**	**0.35 J**	**0.26 J**	**18**	**8.1**	**18**	**10***	-	-	**12**	**0.30 J**	**0.073 J**	<2.9	<0.49	**0.15 J**	**43**	**58**
	SB-30-3.0	3 - 3.5	04/04/2023	482773	-	**5.0**	-	-	-	-	-	-	-	**5.6**	-	-	-	-	-	-	-	-	-	-
SB-31	SB-31-1.0	1 - 1.5	04/04/2023	482773	-	**4.7**	-	-	-	-	-	-	-	**9.3**	-	-	-	-	-	-	-	-	-	-
	SB-31-3.0	3 - 3.5	04/04/2023	482773	-	**5.5**	-	-	-	-	-	-	-	**5.6**	-	-	-	-	-	-	-	-	-	-
SB-32	SB-32-1.0	1 - 1.5	04/04/2023	482773	<3.0	**3.2***	-	**86**	**0.33 J**	**0.28 J**	**16**	**6.8**	**14**	**13***	-	-	**10**	**0.26 J**	**0.037 J**	<3.0	<0.50	**0.18 J**	**37**	**59**
	SB-32-3.0	3 - 3.5	04/04/2023	482773	-	**5.4**	-	-	-	-	-	-	-	**5.9**	-	-	-	-	-	-	-	-	-	-
SB-33	SB-33-1.0	1 - 1.5	04/04/2023	482773	-	**2.6**	-	-	-	-	-	-	-	**9.2**	-	-	-	-	-	-	-	-	-	-
	SB-33-3.0	3 - 3.5	04/04/2023	482773	-	**5.4**	-	-	-	-	-	-	-	**5.9**	-	-	-	-	-	-	-	-	-	-
SB-34	SB-34-1.0	1 - 1.5	04/04/2023	482773	-	**6.5**	-	-	-	-	-	-	-	**29**	-	-	-	-	-	-	-	-	-	-
	DUP-07	0.5 - 1	04/04/2023	484731	-	**5.1**	-	-	-	-	-	-	-	**66**	**0.097 J**	<0.15	-	-	-	-	-	-	-	-
	SB-34-3.0	3 - 3.5	04/04/2023	482773	-	**5.0**	-	-	-	-	-	-	-	**110**	**1.3**	**0.0054 J**	-	-	-	-	-	-	-	-
	DUP-08	2.5 - 3	04/04/2023	484731	-	**5.4**	-	-	-	-	-	-	-	**100**	-	-	-	-	-	-	-	-	-	-
	SB-34-5.0	4.5 - 5	04/04/2023	482773	-	-	-	-	-	-	-	-	-	**8.2**	-	-	-	-	-	-	-	-	-	-
SB-35	SB-35-1.0	1 - 1.5	04/04/2023	482773	-	**3.3**	-	-	-	-	-	-	-	**54**	**0.29**	-	-	-	-	-	-	-	-	-
	SB-35-3.0	3 - 3.5	04/04/2023	482773	-	**5.2**	-	-	-	-	-	-	-	**5.9**	-	-	-	-	-	-	-	-	-	-
SB-36	SB-36-1.0	1 - 1.5	04/05/2023	482858	-	**13**	-	-	-	-	-	-	-	**92**	**0.44**	-	-	-	-	-	-	-	-	-
	SB-36-3.0	3 - 3.5	04/05/2023	482858	-	**4.4**	-	-	-	-	-	-	-	**3.0**	-	-	-	-	-	-	-	-	-	-
SB-37	SB-37-1.0	1 - 1.5	04/04/2023	482773	<2.9	**4.7***	-	**210**	**0.70**	**0.50**	**38**	**12**	**25**	**6.2***	-	-	**27**	**0.97**	**0.12 J**	<2.9	<0.48	**0.21 J**	**58**	**76**
	SB-37-3.0	3 - 3.5	04/04/2023	482773	-	**5.3**	-	-	-	-	-	-	-	**5.9**	-	-	-	-	-	-	-	-	-	-

Table 3

Soil Analytical Results - Metals

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Metal																			
					Antimony	Arsenic	Arsenic (STLC)	Barium	Beryllium	Cadmium	Chromium (III+VI)	Cobalt	Copper	Lead	Lead (STLC)	Lead (TCLP)	Nickel	Molybdenum	Mercury	Selenium	Silver	Thallium	Vanadium	Zinc
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
CA Specific Arsenic Background[1]					-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DTSC-SLs Soil Res[2]					-	0.11	-	-	16	7.1	-	-	-	80	-	-	820	-	1	-	-	-	-	-
EPA RSLs Soil Res[3]					31	0.68	-	15,000	160	7.1	-	23	3,100	400	-	-	1,500	390	11	390	390	0.78	390	23,000
Soluble Threshold Limit Concentration (STLC)[4]					-	-	5	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
Toxicity Characteristic Leaching Procedure (TCLP)[4]					-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
SB-38	SB-38-1.0	1 - 1.5	04/05/2023	482858	-	**12**	-	-	-	-	-	-	-	**31**	-	-	-	-	-	-	-	-	-	-
	SB-38-3.0	3 - 3.5	04/05/2023	482858	-	**6.8**	-	-	-	-	-	-	-	**7.7**	-	-	-	-	-	-	-	-	-	-
SB-39	SB-39-1.0	1 - 1.5	04/05/2023	482858	-	**12**	-	-	-	-	-	-	-	**29**	-	-	-	-	-	-	-	-	-	-
	SB-39-3.0	3 - 3.5	04/05/2023	482858	-	**5.8**	-	-	-	-	-	-	-	**6.5**	-	-	-	-	-	-	-	-	-	-
SB-40	SB-40-1.0	1 - 1.5	04/05/2023	482858	-	**5.5**	-	-	-	-	-	-	-	**9.7**	-	-	-	-	-	-	-	-	-	-

Notes:

Detected concentrations are **bold-faced**

Shaded cells exceeded their respective screening level

mg/kg= milligrams per kilogram

mg/L = milligrams per liter

- = not analyzed or not applicable

< = analyte not detected at or above laboratory reporting limit

J = estimated below laboratory reporting limit

ft-bgs = feet below ground surface

SDG = Lab Sample Delivery Group

STLC = soluble threshold level concentration

TCLP = Toxic Characteristic Leaching Procedure

* = Arsenic, Lead, Thallium result was obtained via EPA 6010B analysis. All other arsenic, lead, and thallium results obtained via EPA 6020.

Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. Chernoff, G., W. Bosan, and D. Oudiz. 2008. Determination of a Southern California Regional Background Arsenic Concentration in Soil. California Department of Toxic Substances Control (DTSC). 2009.
2. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res
3. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res
4. Cal. Admin. Code tit. 22, § 66261.24, 22 CA ADC § 66261.24. 22 CCR § 66261.24 § 66261.24. Characteristic of Toxicity.

Table 4

Soil Analytical Results - OCPs

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Organochlorine Pesticides																			
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlordane (total)	Toxaphene
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					1.9	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.45
EPA RSLs Soil Res[2]					2.3	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.49
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-02-8.0	8 - 8.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-03-8.0	8 - 8.5	04/05/2023	482858	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-04-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-06	SB-06-1.0	1 - 1.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
	SB-06-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-07	SB-07-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-07-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-08	SB-08-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	DUP-01	0.5 - 1	04/04/2023	484731	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.098
	SB-08-3.0	3 - 3.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
	DUP-02	2.5 - 3	04/04/2023	484731	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.098
SB-09	SB-09-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-09-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-10	SB-10-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-10-3.0	3 - 3.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
SB-11	SB-11-1.0	1 - 1.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.098
	SB-11-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-12	SB-12-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-12-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-13	SB-13-1.0	1 - 1.5	04/04/2023	482773	<0.0050	**0.0020 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-13-3.0	3 - 3.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
SB-14	SB-14-1.0	1 - 1.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.014 J**	<0.099
	DUP-03	0.5 - 1	04/05/2023	484731	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	**0.028 HJ**	<0.099
	SB-14-3.0	3 - 3.5	04/05/2023	482858	<0.0050	**0.0017 J**	**0.0035 CJ**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0041 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.035 J**	<0.1
	DUP-04	2.5 - 3	04/05/2023	484731	<0.0049	**0.0018 CHJ**	**0.0038 HJ**	<0.0049	<0.0049	<0.0049	<0.0049	**0.0035 HJ**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	**0.059 H**	<0.098
SB-15	SB-15-1.0	1 - 1.5	04/05/2023	482858	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.05	<0.25	<0.5
	SB-15-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	**0.0038 J**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0075**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.1**	<0.099
SB-16	SB-16-1.0	1 - 1.5	04/04/2023	482773	**0.0027 J**	**0.0041 J**	**0.0088**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0048 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.14**	<0.1
	SB-16-3.0	3 - 3.5	04/04/2023	482773	<0.0050	**0.0019 J**	**0.0032 J**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0023 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.034 J**	<0.1
SB-17	SB-17-1.0	1 - 1.5	04/04/2023	482773	**0.0017 J**	**0.0074**	**0.0088**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0032 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.053**	<0.1
	SB-17-3.0	3 - 3.5	04/04/2023	482773	<0.0050	**0.0034 J**	**0.0036 J**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0025 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.047 J**	<0.1
SB-18	SB-18-1.0	1 - 1.5	04/05/2023	482858	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.05	**0.1 J**	<0.5
	SB-18-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-19	SB-19-1.0	1 - 1.5	04/04/2023	482773	<0.0050	**0.096**	**0.069**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0023 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.2**	<0.1
	SB-19-3.0	3 - 3.5	04/04/2023	482773	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01	<0.051	<0.1

Table 4

Soil Analytical Results - OCPs

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Organochlorine Pesticides																			
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlordane (total)	Toxaphene
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					1.9	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.45
EPA RSLs Soil Res[2]					2.3	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.49
SB-20	SB-20-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.028 J**	<0.1
	SB-20-3.0	3 - 3.5	04/04/2023	482773	<0.0050	**0.0046 J**	**0.0057 C**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0031 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.17**	<0.099
SB-21	SB-21-1.0	1 - 1.5	04/04/2023	482773	**0.0075**	**0.023**	**0.0032 CJ**	<0.0051	<0.0051	<0.0051	<0.0051	**0.0068 C**	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01	**0.16**	<0.1
	DUP-05	0.5 - 1	04/04/2023	484731	**0.016 H**	**0.018 H**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0050 CHJ**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.2 H**	<0.099
	SB-21-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	DUP-06	2.5 - 3	04/04/2023	484731	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.02	**0.028 HJ**	<0.2
SB-22	SB-22-1.0	1 - 1.5	04/05/2023	482858	<0.0050	**0.011**	**0.012**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.44**	<0.1
	SB-22-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.5**	<0.1
SB-25	SB-25-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-25-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-26	SB-26-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-26-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-27	SB-27-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-27-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-28	SB-28-1.0	1 - 1.5	04/05/2023	482858	<0.0050	**0.0033 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-28-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-29	SB-29-1.0	1 - 1.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.098
	SB-29-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-30	SB-30-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-30-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-31	SB-31-1.0	1 - 1.5	04/04/2023	482773	<0.0049	**0.0017 CJ**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
	SB-31-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-32	SB-32-1.0	1 - 1.5	04/04/2023	482773	<0.0049	**0.0025 J**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
	SB-32-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-33	SB-33-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-33-3.0	3 - 3.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
SB-34	SB-34-1.0	1 - 1.5	04/04/2023	482773	<0.0050	**0.0059**	**0.0099 C**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0036 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.18**	<0.1
	DUP-07	0.5 - 1	04/04/2023	484731	<0.0050	**0.0078 H**	**0.013 CH**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0036 HJ**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.17 H**	<0.1
	SB-34-3.0	3 - 3.5	04/04/2023	482773	<0.0050	**0.0065**	**0.0080 C**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0021 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.057**	<0.099
	DUP-08	2.5 - 3	04/04/2023	484731	<0.0050	**0.0043 HJ**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.063 H**	<0.099
SB-35	SB-35-1.0	1 - 1.5	04/04/2023	482773	<0.0050	**0.0061**	**0.0054 C**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0030 CJ**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.29**	<0.1
	SB-35-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-36	SB-36-1.0	1 - 1.5	04/05/2023	482858	<0.0050	<0.0050	**0.0026 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.041 J**	<0.1
	SB-36-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-37	SB-37-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-37-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-38	SB-38-1.0	1 - 1.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-38-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1

Table 4

Soil Analytical Results - OCPs

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Organochlorine Pesticides																			
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlordane (total)	Toxaphene
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					1.9	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.45
EPA RSLs Soil Res[2]					2.3	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.49
SB-39	SB-39-1.0	1 - 1.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-39-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1

Notes:

Detected concentrations are **bold-faced**

Shaded cells exceeded their respective screening level

- = Not analyzed or not applicable

< = analyte not detected at or above laboratory reporting limit

C = presence of analyte was confirmed but RPD between columns exceeded 40%

ft-bgs = feet below ground surface

H = sample was prepared outside of hold time

J = estimated below laboratory reporting limit

mg/kg= milligrams per kilogram

OCP = organochlorine pesticide

SDG = Lab Sample Delivery Group

Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res
2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

Table 5
Soil Analytical Results - PAHs
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

					PAH																	
					1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					9.9	190	3,300	-	17,000	1.1	0.11	1.1	-	11	110	0.028	2,400	2,300	1.1	-	1,800
EPA RSLs Soil Res[2]					18	240	3,600	-	18,000	1.1	0.11	1.1	-	11	110	0.11	2,400	2,400	1.1	-	1,800
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099
SB-06	SB-06-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SB-11	SB-11-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SB-12	SB-12-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SB-15	SB-15-1.0	1 - 1.5	04/05/2023	482858	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099
SB-19	SB-19-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0022 J**	**0.0035 J**	**0.0039 J**	**0.0044 J**	<0.01	**0.0044 J**	<0.01	**0.0042 J**	<0.01	**0.0025 J**	<0.01	**0.0044 J**
SB-22	SB-22-1.0	1 - 1.5	04/05/2023	482858	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0035 J**	**0.0037 J**	**0.0043 J**	**0.0027 J**	**0.0019 J**	**0.0041 J**	<0.01	**0.0065 J**	<0.01	**0.0023 J**	**0.0028 J**	**0.0058 J**
SB-26	SB-26-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SB-30	SB-30-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0032 J**	**0.0040 J**	**0.0046 J**	**0.0025 J**	<0.01	**0.0038 J**	<0.01	**0.0045 J**	<0.01	**0.0027 J**	<0.01	**0.0047 J**
SB-32	SB-32-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0029 J**	**0.0035 J**	**0.0040 J**	**0.0018 J**	<0.01	**0.0028 J**	<0.01	**0.0031 J**	<0.01	**0.0021 J**	<0.01	**0.0032 J**
SB-37	SB-37-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Notes:
Detected concentrations are **bold-faced**
Shaded cells exceeded their respective screening level
- = not analyzed or not applicable
< = analyte not detected at or above laboratory reporting limit
J = estimated below laboratory reporting limit
ft-bgs = feet below ground surface
mg/kg= milligrams per kilogram
PAH = polycyclic aromatic hydrocarbons
SDG = Lab Sample Delivery Group
Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res

2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

Table 6

Soil Analytical Results - PCBs

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					PCBs									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					4	0.2	0.17	0.23	0.23	0.24	0.24	-	-	0.23
EPA RSLs Soil Res[2]					4.1	0.2	0.17	0.23	0.23	0.24	0.24	-	-	0.23
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-06	SB-06-1.0	1 - 1.5	04/04/2023	482773	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
SB-11	SB-11-1.0	1 - 1.5	04/04/2023	482773	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
SB-12	SB-12-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-15	SB-15-1.0	1 - 1.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-19	SB-19-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-21	SB-21-1.0	1 - 1.5	04/04/2023	482773	<0.051	<0.051	<0.051	<0.051	<0.051	**0.07**	**0.11**	<0.051	<0.051	**0.18**
	DUP-05		04/04/2023	484731	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.084 H**	<0.05	<0.05	**0.084**
SB-22	SB-22-1.0	1 - 1.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-26	SB-26-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-30	SB-30-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-32	SB-32-1.0	1 - 1.5	04/04/2023	482773	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
SB-35	SB-35-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-36	SB-36-1.0	1 - 1.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-37	SB-37-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-38	SB-38-1.0	1 - 1.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-39	SB-39-1.0	1 - 1.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Notes:

Detected concentrations are **bold-faced**

Shaded cells exceeded their respective screening level

- = Not analyzed or not applicable

< = analyte not detected at or above laboratory reporting limit

ft-bgs = feet below ground surface

H = sample was prepared outside of hold time

mg/kg= milligrams per kilogram

PCB = polychlorinated biphenyl

SDG = Lab Sample Delivery Group

Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res

2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

Table 7
Soil Analytical Results - TPH
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

					TPH		
					TPH as Gasoline	TPH as Diesel	TPH as Motor Oil
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg
SFRWQCB 2019-rev2 Soil Direct Exposure HHRL Res[1]					430	260	12,000
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<2.5	<10	<20
	SB-02-8.0	8 - 8.5	04/05/2023	482858	<2.8	<10	<20
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	<2.7	**1.7 J**	**1.9 BJ**
	SB-03-8.0	8 - 8.5	04/05/2023	482858	<2.5	<9.9	<20
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	<2.4	**1.5 J**	<20
	SB-04-3.0	3 - 3.5	04/05/2023	482858	<2.3	<10	<20
SB-18	SB-18-1.0	1 - 1.5	04/05/2023	482858	<2.9	**8.6 J**	**70**
SB-23	SB-23-1.0	1 - 1.5	04/05/2023	482858	<2.6	**10 J**	**140**
	SB-23-5.0	5 - 5.5	04/05/2023	482858	<2.5	**5.8 J**	**16 J**
	SB-23-10.0	10 - 10.5	04/05/2023	482858	<2.5	<9.9	<20
SB-24	SB-24-1.0	1 - 1.5	04/05/2023	482858	<2.4	-	-
	SB-24-5.0	5 - 5.5	04/05/2023	482858	<2.3	-	-
	SB-24-10.0	10 - 10.5	04/05/2023	482858	<2.8	-	-

Notes:
Detected concentrations are **bold-faced**
Shaded cells exceeded their respective screening level
- = not analyzed or not applicable
< = analyte not detected at or above laboratory reporting limit
B = sample results between the MDL and RL
ft-bgs = feet below ground surface
HHRL = Human Health Risk Level
J = estimated below laboratory reporting limit
mg/kg= milligrams per kilogram
SDG = Lab Sample Delivery Group
SFRWQCB = San Francisco Regional Water Quality Control Board
TPH = total petroleum hydrocarbon
Environmental Standards
1. The SFBRWQCB Environmental Screening Levels (ESLs) direct exposure HHRL for residential soil (2019).

Table 8
Soil Analytical Results - VOCs
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

					VOC																						
					1,4-Dichloro-2-butene (total)	1,4-Dichloro-2-butene(cis)	Allyl chloride	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1,2-Trichlorotrifluoroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene(cis)	1,2-Dichloroethene(trans)	1,2-Dichloropropane	1,3,5-Trimethylbenzene
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					-	-	-	2	1,700	0.6	-	-	3.6	83	-	40	0.0015	7.8	-	0.0043	0.036	-	-	18	130	-	-
EPA RSLs Soil Res[2]					0.0021	0.0074	0.72	2	8,100	0.6	1.1	6,700	3.6	230	-	63	0.0051	24	300	0.0053	0.036	1,800	0.46	63	70	2.5	270
SB-01	SB-01-1.0	1 - 1.5	04/05/2023	482858	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041
	SB-01-3.0	3 - 3.5	04/05/2023	482858	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
	SB-02-8.0	8 - 8.5	04/05/2023	482858	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043
	SB-03-8.0	8 - 8.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
	SB-04-3.0	3 - 3.5	04/05/2023	482858	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037
SB-23	SB-23-1.0	1 - 1.5	04/05/2023	482858	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
	SB-23-5.0	5 - 5.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
	SB-23-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
SB-24	SB-24-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
	SB-24-5.0	5 - 5.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046
	SB-24-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
SB-40	SB-40-3.0	3 - 3.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046

Notes:
Detected concentrations are **bold-faced**
Shaded cells exceeded their respective screening level
- = not analyzed or not applicable
< = analyte not detected at or above laboratory reporting limit
B = sample results between the MDL and RL.
ft-bgs = feet below ground surface
H = sample was prepared outside of hold time
J = estimated below laboratory reporting limit
mg/kg= milligrams per kilogram
SDG = Lab Sample Delivery Group
VOC = volatile organic compound
Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res

2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

Table 8
Soil Analytical Results - VOCs
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

					VOC																						
					1,3-Dichlorobenzene	1,3-Dichloropropane	1,3-Dichloropropene(cis)	1,3-Dichloropropene(trans)	1,4-Dichlorobenzene	2,2-Dichloropropane	2-chlorotoluene	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	Dibromomethane
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					-	410	-	-	-	-	470	440	-	-	0.33	-	-	0.29	19	-	0.65	-	0.94	-	-	-	-
EPA RSLs Soil Res[2]					-	1,600	-	-	2.6	-	1,600	1,600	33,000	70,000	1.2	290	150	0.29	19	6.8	0.65	280	8.3	5,400	0.32	110	24
SB-01	SB-01-1.0	1 - 1.5	04/05/2023	482858	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.081	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041
	SB-01-3.0	3 - 3.5	04/05/2023	482858	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.1	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.093	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
	SB-02-8.0	8 - 8.5	04/05/2023	482858	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	**0.031 BJ**	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.087	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043
	SB-03-8.0	8 - 8.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.085	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.089	**0.0011 J**	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
	SB-04-3.0	3 - 3.5	04/05/2023	482858	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.075	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037
SB-23	SB-23-1.0	1 - 1.5	04/05/2023	482858	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.02 BJ**	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
	SB-23-5.0	5 - 5.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.083	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
	SB-23-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.08	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
SB-24	SB-24-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.09	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
	SB-24-5.0	5 - 5.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.093	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046
	SB-24-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.08	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
SB-40	SB-40-3.0	3 - 3.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.092	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046

Notes:
Detected concentrations are **bold-faced**
Shaded cells exceeded their respective screening level
- = not analyzed or not applicable
< = analyte not detected at or above laboratory reporting limit
B = sample results between the MDL and RL.
ft-bgs = feet below ground surface
H = sample was prepared outside of hold time
J = estimated below laboratory reporting limit
mg/kg= milligrams per kilogram
SDG = Lab Sample Delivery Group
VOC = volatile organic compound
Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res

2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

Table 8
Soil Analytical Results - VOCs
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

					VOC																					
					Dichlorodifluoromethane	Dichloromethane	Ethylbenzene	Hexachlorobutadiene	Isopropylbenzene	Methyl Ethyl Ketone	Methyl Tertiary Butyl Ether	Naphthalene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylene (m & p)	Xylene (o)	Xylenes (total)
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					-	2.2	-	1.2	-	-	-	2	2,400	-	-	2,200	5,600	2,200	0.59	1,100	-	1,200	0.0082	-	-	-
EPA RSLs Soil Res[2]					87	57	5.8	1.2	1,900	27,000	47	2	3,900	3,800	-	7,800	6,000	7,800	24	4,900	0.94	23,000	0.059	-	640	580
SB-01	SB-01-1.0	1 - 1.5	04/05/2023	482858	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.081	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0081	<0.0041	<0.0041
	SB-01-3.0	3 - 3.5	04/05/2023	482858	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.1	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01	<0.0051	<0.0051
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.093	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0093	<0.0047	<0.0047
	SB-02-8.0	8 - 8.5	04/05/2023	482858	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.11	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.087	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0087	<0.0043	<0.0043
	SB-03-8.0	8 - 8.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.085	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0085	<0.0042	<0.0042
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.089	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0089	<0.0045	<0.0045
	SB-04-3.0	3 - 3.5	04/05/2023	482858	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.075	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0075	<0.0037	<0.0037
SB-23	SB-23-1.0	1 - 1.5	04/05/2023	482858	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.097	<0.0048	<0.0048	<0.0048	<0.0048	**0.0015 J**	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<0.0048	<0.0048
	SB-23-5.0	5 - 5.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.083	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0083	<0.0042	<0.0042
	SB-23-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.08	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0080	<0.0040	<0.0040
SB-24	SB-24-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.09	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0090	<0.0045	<0.0045
	SB-24-5.0	5 - 5.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.093	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0093	<0.0046	<0.0046
	SB-24-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.08	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0080	<0.0040	<0.0040
SB-40	SB-40-3.0	3 - 3.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.092	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0092	<0.0046	<0.0046

Notes:
Detected concentrations are **bold-faced**
Shaded cells exceeded their respective screening level
- = not analyzed or not applicable
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B = sample results between the MDL and RL.
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SDG = Lab Sample Delivery Group
VOC = volatile organic compound
Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

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1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res

2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

Figures

1 Site Location
2 Site Layout
3 Site Project Area and Soil Sample Locations
4 Arsenic and Lead Concentrations Exceeding Screening Criteria

0 1,000 2,000 Feet

1 inch = 1,000 feet

N

Legend

Site Boundary

Base Map: ESRI World Topographic Map
(data providers include HERE, Garmin, USGS, et al.)

SAFETY FIRST

terraphase engineering

CLIENT:	LAUSD
PROJECT:	5101 E 6th Street, Los Angeles, CA 90022
PROJECT NUMBER:	S030.056.004

Site Location

FIGURE 1

File: N:\GIS\Prj\S030 LAUSD\S030.056_Garfield HS\MXDs\(20230501) Figure 1 - Site Location1.mxd 5/1/2023 Created by: Summer Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet

Aerial Imagery Source: Nearmap January 26, 2023

0 70 140 280 Feet

1 inch = 140 feet

N

SAFETY FIRST

terraphase engineering

CLIENT:	LAUSD
PROJECT:	5101 E 6th Street, Los Angeles, CA 90022
PROJECT NUMBER:	S030.056.004

Site Layout

FIGURE 2

File: N:\GIS\Prj\S030_LAUSD\S030.056_Garfield HS\MXDs\(20230501) Figure 2 - Site Layout.mxd 5/15/2023 Created by: Summer Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet

Aerial Imagery Source: Nearmap January 26, 2023

0 20 40 80 Feet

1 inch = 40 feet

N

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terraphase engineering

CLIENT:	LAUSD
PROJECT:	5101 E 6th Street, Los Angeles, CA 90022
PROJECT NUMBER:	S030.056.004

Site Project Area and Soil Sample Locations

FIGURE 3

File: N:\GIS\Prj\S030 LAUSD\S030.056_Garfield HS\MXDs\(20230501) Figure 3 - Site Project Area and Soil Sample Locations.mxd 5/15/2023 Created by: Summer Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet

Legend

- Soil Boring
- Site Boundary

Screening Criteria:

CA Specific Arsenic Background = 12 mg/kg

DTSC-SLs Soil Res = 80 mg/kg

Aerial Imagery Source: Nearmap January 26, 2023

0 20 40 80 Feet

1 inch = 40 feet

N

SAFETY FIRST

terraphase engineering

CLIENT:	LAUSD
PROJECT:	5101 E 6th Street, Los Angeles, CA 90022
PROJECT NUMBER:	S030.056.004

Arsenic and Lead Concentrations Exceeding Screening Criteria

FIGURE 4

File: N:\GIS\Prj\S030 LAUSD\S030.056_Garfield HS\MXDs\(20230515) Figure 4 - Arsenic and Lead Soil Exceedances.mxd 5/25/2023 Created by: Summer Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet

Appendix A

PEA-E Work Notice

Los Angeles Unified School District

Office of Environmental Health and Safety

ALBERTO M. CARVALHO
Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

JENNIFER FLORES
Deputy Director, Environmental Health and Safety

March 17, 2023

TO: Neighbors and Community Members of James A. Garfield High School

FROM: Los Angeles Unified School District Office of Environmental Health and Safety

REGARDING: Preliminary Environmental Assessment Garfield High School, Los Angeles, California

The Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) would like to provide you with advance notice for a Preliminary Environmental Assessment (PEA) that will be conducted within the boundaries of the James A. Garfield High School, located at 5101 East 6th St, East Los Angeles, CA 90022. This PEA is one of the first steps for the overall major modernization project planned for the high school.

A licensed contractor, working on behalf of LAUSD, will perform the PEA field activities under the oversight of the LAUSD-OEHS. The PEA will consist of a subsurface investigation around the footprints of existing buildings that will be removed, where historical structures were present, or where other recognized environmental concerns were identified. Soil samples collected will be analyzed for various chemicals of concern. If necessary, soil cleanup will be performed prior to construction activities to protect students, faculty, and staff.

Fieldwork will be conducted intermittently and is anticipated to be completed over multiple days in April 2023. Intrusive fieldwork, such as coring of the concrete or asphalt pavement and soil sampling will only be conducted on school holidays. Fieldwork will be conducted at the Site between the hours of 7AM and 5 PM.

The results of the PEA investigation will be submitted to LAUSD-OEHS in a report for review. The report will include an assessment of whether any chemicals of concern are present in soil at concentrations that would require further delineation, or if a response action will be necessary before the Site is cleared for construction activities. When the OEHS's review is complete, OEHS will issue an official determination with regard to the assessment.

If you have any questions concerning the upcoming environmental investigation or other related activities for the proposed project, please contact Drew Williams, LAUSD-OEHS, Site Assessment Project Manager at (213) 241-4122 (email at cp-drew.williams@lausd.net).

333 South Beaudry Avenue, 21st Floor, Los Angeles, CA 90017 • Telephone (213) 241-3199 • Fax (213) 241-6816

Los Angeles Unified School District
Office of Environmental Health and Safety

ALBERTO M. CARVALHO
Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

JENNIFER FLORES
Deputy Director, Environmental Health and Safety

17 de Marzo de 2023

PARA: Vecinos y Miembros de la Comunidad de Escuela Secundaria James A. Garfield

DE: Los Angeles Unified School District
Office of Environmental Health and Safety

EN LO QUE: RESPECTA Evaluación Ambiental Preliminar de Garfield High School, Los Ángeles, California

Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) desea proporcionarle un aviso anticipado para una Evaluación Ambiental Preliminar (EAP) que se llevará a cabo dentro del límites del James A. Garfield High School, ubicada en 5101 East 6th St, East Los Angeles, CA 90022. Este EAP es uno de los primeros pasos para el gran proyecto general de modernización planeado para la escuela secundaria.

Un contratista con licencia, que trabaje en nombre de LAUSD, realizará las actividades de campo de EAP bajo la supervisión del LAUSD-OEHS. El EAP consistirá en una investigación del subsuelo alrededor de las huellas de los edificios existentes que se eliminarán, donde las estructuras históricas estaban presentes o donde se identificaron otras preocupaciones ambientales reconocidas. Las muestras de suelo recolectadas se analizarán para detectar varios productos químicos preocupantes. Si es necesario, se realizará la limpieza del suelo antes de las actividades de construcción para proteger a los estudiantes, profesores y personal.

El trabajo de campo se llevará a cabo de forma intermitente y se prevé que se complete durante varios días en abril de 2023. El trabajo de campo intrusivo, como la extracción de muestras del concreto o el pavimento de asfalto y el muestreo del suelo, solo se llevarán a cabo durante las vacaciones escolares. El trabajo de campo se llevará a cabo en el sitio entre las 7 a.m. y las 5 p.m.

Los resultados de la investigación de EAP se presentarán a LAUSD-OEHS en un informe para su revisión. El informe incluirá una evaluación de sustancias químicas preocupantes en el suelo en concentraciones que requerirían una mayor delineación, o si será necesaria una acción de respuesta antes de la El sitio está despejado para actividades de construcción. Cuando se complete la revisión de la OEHS, la OEHS emitirá una determinación oficial con respecto a la evaluación.

Si tiene alguna pregunta sobre la próxima investigación ambiental u otras actividades relacionadas con el proyecto propuesto, comuníquese con Drew Williams, LAUSD-OEHS, Gerente de Proyectos de Evaluación del Sitio al (213) 241-4122 (correo electrónico a cp-drew.williams@lausd.net).

Appendix B

Photographic Log

Photograph 1:

Utility locating around boring SB-38 uncovered an electrical and unknown utility line running parallel to one another.

Date: April 4, 2023

Photograph 2:

Utility clearance and placement of SB-38 away from utility nest behind building

Date: April 4, 2023

Photograph 3:

Subcontractor coring SB-30 in teacher parking lot.

Date: April 4, 2023

Photograph 4:

Advancement of boring SB-29 via hand auger and soil sample collections.

Date: April 4, 2023

Photograph 5:

Subcontractor conducting a triple bucket decontamination of hand auger equipment prior to advancing new boring location.

Date: April 4, 2023

Photograph 6:

Concrete patch with black dye to match the surrounding surface of boring location SB-29.

Date: April 4, 2023

Photograph 7:

Opened single chamber clarifier to measure depth to be 5 feet below ground surface.

Date: April 5, 2023

Photograph 8:

Opened one of three chamber clarifiers to measure depth at 7 feet below ground surface.

Date: April 5, 2023

Photograph 9:

Advancement of boring location SB-24 using Geoprobe Direct Push technology.

Date: April 5, 2023

Photograph 10:

Top 5 feet from soil boring SB-24.

Date: April 5, 2023

Photograph 11:

Utilizing tremie pipe to backfill SB-23 boring with cement grout.

Date: April 5, 2023

Photograph 12:

Top view of cored location SB-05 that show clear strike of an electrical conduit.

Date: April 5, 2023

Photograph 13:

Side view of SB-05 core showing cut electrical conduit.

Date: April 5, 2023

Photograph 14:

Resurveying of boring location SB-05 using a concrete scanner to attempt to find missed utilities and rebar.

Date: April 6, 2023

Photograph 15:

Utility locating of rebar pattern, potential trench, and two conduits running parallel to another surrounding SB-05.

Date: April 6, 2023

Photograph 16:

Repaired utilities line, ready for concrete backfill.

Date: April 10, 2023

Photograph 17:

Backfilling SB-05 with concrete until flush with surface.

Date: April 10, 2023

Photograph 18:

The concrete backfill of SB-05 is flush with surface.

Date: April 10, 2023

Photograph 19:

Pending Drum label on singular onsite soil and decontamination water drum.

Date: April 6, 2023

Photograph 20:

Drum stored inside teacher parking lot near trash containers.

Date: April 6, 2023

Appendix C

Boring Logs

Project: **Garfield High School PEA-E** Project Location: **5101 E 6th Street, East Los Angeles, CA** Project Number: **S030.056.003**	Log of Boring SB-23 **Sheet 1 of 1**

Date(s) Drilled	**4-5-2023**	Logged By	**Julianna Cativo**	Checked By	**Darren Croteau, PG 7495**
Drilling Method	**Hand Auger (HA), Direct Push Technology (DPT)**	Drill Bit Size/Type	**3.25-inch HA, 2.25-inch dual tube**	Total Depth of Borehole	**15 feet bgs**
Drill Rig Type	**Geoprobe 7822DT**	Drilling Contractor	**Mellennium**	Approximate Surface Elevation	**Not measured**
Groundwater Level and Date Measured	**Not encountered**	Sampling Method(s)	**Hand Auger, Dual Tube**	Hammer Data	**Not applicable**
Borehole Backfill	**Cement grout**	Location	**West of building 300, influent end of three-stage clarifier**		

Depth (feet)	Sample Number	PID Reading (ppm)	USCS Symbol	MATERIAL DESCRIPTION
0		0.0	Concrete	4-inch thick concrete
	SB-23-1.0		Fill	Gravelly sandy fill material.
		0.0	SM	SILTY SAND (SM), brown, damp, 30% silt, trace 0.25 inch subangular gravel, brick fragments and roots.
		0.0		No gravel at 2 feet bgs.
		0.0		
		0.0		
		0.0	ML	SANDY SILT (ML), brown, moist, soft, low plasticity, 40% very fine sand, trace angular fine gravel, some clay, brick fragments.
	SB-23-5.0			
5		0.0		
		0.9		
		0.0	CL-ML	SANDY SILT (ML-CL), brown, damp, stiff, low to medium plasticity, mostly silt, some clay, 10% fine sand.
		0.0		
		0.0		
	SB-23-10.0			
10		0.0		Increase in fine sand to 40% at 10 feet bgs.
		0.0		
		0.0		
		0.0	SM	SILTY SAND (SM), brown, damp, very fine sand, 20% silt.
		0.0		
	SB-23-15.0			
15				TD = 15 feet bgs No groundwater encountered Tremie backfill with Portland cement grout at 8:50

Graphic Log

Well Log

C:\Users\Jon\AppData\Local\Temp\borings_temp\tmpfile.bgs[Garfield HS.tpl]

Project: **Garfield High School PEA-E**

Project Location: **5101 E 6th Street, East Los Angeles, CA**

Project Number: **S030.056.003**

Key to Log of Boring

Sheet 1 of 1

Depth (feet)	Sample Type	Sample Number	PID Reading (ppm)	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	Well Log
1	2	3	4	5	6	7	8

COLUMN DESCRIPTIONS

1. Depth (feet): Depth in feet below the ground surface.
2. Sample Type: Type of soil sample collected at the depth interval shown.
3. Sample Number: Sample identification number.
4. PID Reading (ppm): The reading from a photo-ionization detector, in parts per million. CB denotes sample reading was taken in a closed (sealed) Ziplock(TM) bag. NB denotes the reading of the sample was taken with no bag, in the opening in coring sleeve. This semi-closed space has minor influences from ambient air. OH indicates a reading taken from the open hole.
5. USCS Symbol: USCS symbol of the subsurface material.
6. Graphic Log: Graphic depiction of the subsurface material encountered.
7. MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.
8. Well Log: Graphical representation of well installed upon completion of drilling and sampling.

FIELD AND LABORATORY TEST ABBREVIATIONS

CHEM: Chemical tests to assess corrosivity
COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

MATERIAL GRAPHIC SYMBOLS

SILTY CLAY (CL-ML)
Portland Cement Concrete
AF
Grout
SILT, SILT w/SAND, SANDY SILT (ML)
Silty SAND (SM)

TYPICAL SAMPLER GRAPHIC SYMBOLS

Auger sampler
2.5-inch-OD dual tube sampler with 1-inch-OD acetate sleeve

OTHER GRAPHIC SYMBOLS

Water level (at time of drilling, ATD)
Water level (after waiting, AW)
Minor change in material properties within a stratum
Inferred/gradational contact between strata
Queried contact between strata

GENERAL NOTES

1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

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Project: **Garfield High School PEA-E** Project Location: **5101 E 6th Street, East Los Angeles, CA** Project Number: **S030.056.003**	Log of Boring SB-24 **Sheet 1 of 1**

Date(s) Drilled	**4-5-2023**	Logged By	**Julianna Cativo**	Checked By	**Darren Croteau, PG 7495**
Drilling Method	**Hand Auger (HA), Direct Push Technology (DPT)**	Drill Bit Size/Type	**3.25-inch HA, 2.25-inch dual tube**	Total Depth of Borehole	**15 feet bgs**
Drill Rig Type	**Geoprobe 7822DT**	Drilling Contractor	**Mellennium**	Approximate Surface Elevation	**Not measured**
Groundwater Level and Date Measured	**Not encountered**	Sampling Method(s)	**Hand Auger, Dual Tube**	Hammer Data	**Not applicable**
Borehole Backfill	**Cement grout**	Location	**West of building 300, effluent end of three-stage clarifier**		

Depth (feet)	Sample Type	Sample Number	PID Reading (ppm)	USCS Symbol	MATERIAL DESCRIPTION
0			0.0	Concrete	4-inch thick concrete
		SB-24-1.0		Fill	Gravelly sandy fill material.
			0.0	SM	SILTY SAND (SM), dark brown, damp, 30% silt, 10% 0.25- to 0.75-inch subangular gravel, trace clay, roots.
			0.0		
			0.0		
			0.0	ML	SANDY SILT (ML), brown, damp, stiff, low plasticity, 40% very fine sand, trace clay, roots.
			0.0		
		SB-24-5.0			
5			0.0		
			0.0		
			2.0	CL-ML	SANDY SILT (ML-CL), brown, damp, stiff, low plasticity, mostly silt, some clay, 20% very fine sand, roots.
			0.0		
			0.0		
		SB-24-10.0			
10			0.0		
			0.0		
			0.0		
			0.0	SM	SILTY SAND (SM), brown, damp, moderately stiff, fine sand, 40% silt, trace clay.
			0.0		
		SB-24-15.0			
15					TD = 15 feet bgs No groundwater encountered Tremie backfill with Portland cement grout at 8:41

Well Log

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Project: **Garfield High School PEA-E**

Project Location: **5101 E 6th Street, East Los Angeles, CA**

Project Number: **S030.056.003**

Key to Log of Boring

Sheet 1 of 1

Depth (feet)	Sample Type	Sample Number	PID Reading (ppm)	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	Well Log
1	2	3	4	5	6	7	8

COLUMN DESCRIPTIONS

1. Depth (feet): Depth in feet below the ground surface.
2. Sample Type: Type of soil sample collected at the depth interval shown.
3. Sample Number: Sample identification number.
4. PID Reading (ppm): The reading from a photo-ionization detector, in parts per million. CB denotes sample reading was taken in a closed (sealed) Ziplock(TM) bag. NB denotes the reading of the sample was taken with no bag, in the opening in coring sleeve. This semi-closed space has minor influences from ambient air. OH indicates a reading taken from the open hole.
5. USCS Symbol: USCS symbol of the subsurface material.
6. Graphic Log: Graphic depiction of the subsurface material encountered.
7. MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.
8. Well Log: Graphical representation of well installed upon completion of drilling and sampling.

FIELD AND LABORATORY TEST ABBREVIATIONS

CHEM: Chemical tests to assess corrosivity
COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

MATERIAL GRAPHIC SYMBOLS

SILTY CLAY (CL-ML)
Portland Cement Concrete
AF
Grout
SILT, SILT w/SAND, SANDY SILT (ML)
Silty SAND (SM)

TYPICAL SAMPLER GRAPHIC SYMBOLS

Auger sampler
2.5-inch-OD dual tube sampler with 1-inch-OD acetate sleeve

OTHER GRAPHIC SYMBOLS

Water level (at time of drilling, ATD)
Water level (after waiting, AW)
Minor change in material properties within a stratum
Inferred/gradational contact between strata
Queried contact between strata

GENERAL NOTES

1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

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Appendix D

Laboratory Analytical Reports

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

enthalpy.com

Lab Job Number: 482773
Report Level: II
Report Date: 04/21/2023

Analytical Report *prepared for:*

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - LAUSD-GARFIELD HS, S030.056.003

Authorized for release by:

Patty Mata, Project Manager
patty.mata@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

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #:	482773
	Project No:	LAUSD SCHOOL
	Location:	LAUSD-GARFIELD HS, S030.056.003
	Date Received:	04/04/23

Sample ID	Lab ID	Collected	Matrix
SB-06-1.0	482773-001	04/04/23 14:05	Soil
SB-06-3.0	482773-002	04/04/23 14:10	Soil
SB-06-5.0	482773-003	04/04/23 14:12	Soil
SB-07-1.0	482773-004	04/04/23 13:37	Soil
SB-07-3.0	482773-005	04/04/23 13:55	Soil
SB-07-5.0	482773-006	04/04/23 14:11	Soil
SB-08-1.0	482773-007	04/04/23 13:33	Soil
SB-08-3.0	482773-008	04/04/23 13:36	Soil
SB-08-5.0	482773-009	04/04/23 13:39	Soil
SB-09-1.0	482773-010	04/04/23 14:18	Soil
SB-09-3.0	482773-011	04/04/23 14:19	Soil
SB-09-5.0	482773-012	04/04/23 14:22	Soil
SB-10-1.0	482773-013	04/04/23 14:22	Soil
SB-10-3.0	482773-014	04/04/23 14:29	Soil
SB-10-5.0	482773-015	04/04/23 14:33	Soil
SB-11-1.0	482773-016	04/04/23 13:22	Soil
SB-11-3.0	482773-017	04/04/23 13:25	Soil
SB-11-5.0	482773-018	04/04/23 13:28	Soil
SB-12-1.0	482773-019	04/04/23 14:25	Soil
SB-12-3.0	482773-020	04/04/23 14:27	Soil
SB-12-5.0	482773-021	04/04/23 14:30	Soil
SB-16-1.0	482773-022	04/04/23 10:29	Soil
SB-16-3.0	482773-023	04/04/23 10:35	Soil
SB-16-5.0	482773-024	04/04/23 10:40	Soil
SB-17-1.0	482773-025	04/04/23 10:25	Soil
SB-17-3.0	482773-026	04/04/23 10:30	Soil

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Project No: Location: Date Received:	482773 LAUSD SCHOOL LAUSD-GARFIELD HS, S030.056.003 04/04/23

Sample ID	Lab ID	Collected	Matrix
SB-17-5.0	482773-027	04/04/23 10:35	Soil
SB-19-1.0	482773-028	04/04/23 11:04	Soil
SB-19-3.0	482773-029	04/04/23 11:11	Soil
SB-19-5.0	482773-030	04/04/23 11:16	Soil
SB-20-1.0	482773-031	04/04/23 10:11	Soil
SB-20-3.0	482773-032	04/04/23 10:14	Soil
SB-20-5.0	482773-033	04/04/23 10:17	Soil
SB-21-1.0	482773-034	04/04/23 09:33	Soil
SB-21-3.0	482773-035	04/04/23 09:57	Soil
SB-21-5.0	482773-036	04/04/23 10:02	Soil
SB-25-1.0	482773-037	04/04/23 11:06	Soil
SB-25-3.0	482773-038	04/04/23 11:09	Soil
SB-25-5.0	482773-039	04/04/23 11:11	Soil
SB-26-1.0	482773-040	04/04/23 12:36	Soil
SB-26-3.0	482773-041	04/04/23 12:39	Soil
SB-26-5.0	482773-042	04/04/23 12:41	Soil
SB-27-1.0	482773-043	04/04/23 11:27	Soil
SB-27-3.0	482773-044	04/04/23 11:30	Soil
SB-27-5.0	482773-045	04/04/23 11:34	Soil
SB-29-1.0	482773-046	04/04/23 07:44	Soil
SB-29-3.0	482773-047	04/04/23 07:53	Soil
SB-29-5.0	482773-048	04/04/23 07:57	Soil
SB-30-1.0	482773-049	04/04/23 08:05	Soil
SB-30-3.0	482773-050	04/04/23 08:10	Soil
SB-30-5.0	482773-051	04/04/23 08:15	Soil
SB-31-1.0	482773-052	04/04/23 08:28	Soil

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #:	482773
	Project No:	LAUSD SCHOOL
	Location:	LAUSD-GARFIELD HS, S030.056.003
	Date Received:	04/04/23

Sample ID	Lab ID	Collected	Matrix
SB-31-3.0	482773-053	04/04/23 08:32	Soil
SB-31-5.0	482773-054	04/04/23 08:35	Soil
SB-32-1.0	482773-055	04/04/23 09:20	Soil
SB-32-3.0	482773-056	04/04/23 09:24	Soil
SB-32-5.0	482773-057	04/04/23 09:29	Soil
SB-33-1.0	482773-058	04/04/23 08:55	Soil
SB-33-3.0	482773-059	04/04/23 09:01	Soil
SB-33-5.0	482773-060	04/04/23 09:04	Soil
SB-34-1.0	482773-061	04/04/23 10:07	Soil
SB-34-3.0	482773-062	04/04/23 10:10	Soil
SB-34-5.0	482773-063	04/04/23 10:13	Soil
SB-35-1.0	482773-064	04/04/23 09:43	Soil
SB-35-3.0	482773-065	04/04/23 09:46	Soil
SB-35-5.0	482773-066	04/04/23 09:51	Soil
SB-37-1.0	482773-067	04/04/23 09:24	Soil
SB-37-3.0	482773-068	04/04/23 09:31	Soil
SB-37-5.0	482773-069	04/04/23 09:37	Soil
SB-13-1.0	482773-070	04/04/23 12:56	Soil
SB-13-3.0	482773-071	04/04/23 12:59	Soil
SB-13-5.0	482773-072	04/04/23 13:05	Soil
EB-230404	482773-073	04/04/23 14:50	Water

Case Narrative

Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612 Darren Croteau	Lab Job Number: 482773 Project No: LAUSD SCHOOL Location: LAUSD-GARFIELD HS, S030.056.003 Date Received: 04/04/23

This data package contains sample and QC results for forty eight soil samples and one water sample, requested for the above referenced project on 04/04/23. The samples were received cold and intact. The Asbestos test for the Equipment blank sample was cancelled per client request. An additional test for PCBs for sample SB-35-1.0 was performed per client request. Revised report to include STLC and TCLP test results as requested.

Pesticides (EPA 8081A) Soil:

- High recovery was observed for 4,4'-DDD in the LCS for batch 311163; this analyte was not detected at or above the RL in the associated samples.
- High recoveries were observed for many analytes in the MS/MSD for batch 311163; the parent sample was not a project sample, and these analytes were not detected at or above the RL in the associated samples. High RPD was observed for methoxychlor; this analyte was not detected at or above the RL in the associated samples.
- High recovery was observed for methoxychlor in the LCS for batch 311252; this analyte was not detected at or above the RL in the associated samples.
- High surrogate recoveries were observed for decachlorobiphenyl in SB-10-1.0 (lab # 482773-013) and the MS/MSD for batch 311163; the corresponding TCMX surrogate recoveries were within limits.
- The presence of selected compounds were confirmed by second column, but the relative percent difference (RPD) between columns exceeded 40%. Affected sample results were flagged with "C" qualifiers.
- No other analytical problems were encountered.

Metals (EPA 6010B, EPA 6020, and EPA 7470A) Water:

- High response was observed for thallium in the CCV analyzed 04/06/23 15:21; affected data was qualified with "b".
- High response was observed for thallium in the CCV analyzed 04/06/23 16:18; affected data was qualified with "b".
- Barium, chromium, and zinc were detected between the MDL and the RL in the method blank for batch 311111; these analytes were not detected in the sample at or above the RL. Sample results between the MDL and RL were "B" flagged.
- Lead was detected between the MDL and the RL in the method blank for batch 311326; this analyte was not detected in the sample at or above the RL. Associated sample results between the MDL and RL were "B" flagged.
- No other analytical problems were encountered.

Metals (EPA 6010B, EPA 6020, and EPA 7471A) Soil:

- Low recoveries were observed for antimony in the MS/MSD of SB-11-1.0 (lab # 482773-016); the associated RPD was within limits.
- Low recovery was observed for arsenic in the MS of SB-13-1.0 (lab # 482773-070); the LCS was within limits, and the associated RPD was within limits. High recovery was observed for lead in the MSD of SB-13-1.0 (lab # 482773-070); the LCS was within limits, and the associated RPD was within limits.
- Low recovery was observed for antimony in the MSD for batch 311121; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- High RPD was observed for lead in the MS/MSD for batch 311129; the parent sample was not a project sample.
- Chromium and zinc were detected between the MDL and the RL in the method blank for batch 311121; these analytes were detected in the sample at a level at least 10 times that of the blank.
- Lead was detected between the MDL and the RL in the method blank for batch 311135; this analyte was detected in samples at a level at least 10 times that of the blank. Sample results between the MDL and RL were "B" flagged.
- Chromium, selenium, and zinc were detected between the MDL and the RL in the method blank for batch 311205; these analytes were either not detected in samples at or above the RL, or detected at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Asbestos by PLM (Asbestos PLM):

AmeriSci in Carson, CA performed the analysis (see sublab report section for certifications). Please see the AmeriSci case narrative.

ENTHALPY ANALYTICAL

Detection Summary

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482773
Project No: LAUSD SCHOOL
Location: LAUSD-GARFIELD HS, S030.056.003
Date Received: 04/04/23

Sample ID: SB-06-1.0 **Lab ID: 482773-001** **Collected: 04/04/23 14:05**
Matrix: Soil

482773-001 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**130**		mg/Kg	0.99	0.12
Beryllium	**0.54**		mg/Kg	0.50	0.030
Cadmium	**0.40**	J	mg/Kg	0.50	0.035
Chromium	**32**		mg/Kg	0.99	0.094
Cobalt	**11**		mg/Kg	0.50	0.11
Copper	**21**		mg/Kg	0.99	0.25
Molybdenum	**0.67**	J	mg/Kg	0.99	0.18
Nickel	**23**		mg/Kg	0.99	0.18
Vanadium	**48**		mg/Kg	0.99	0.080
Zinc	**60**		mg/Kg	5.0	0.17
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**6.4**		mg/Kg	0.97	0.20
Lead	**5.7**		mg/Kg	0.49	0.089
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.034**	J	mg/Kg	0.16	0.0056

Sample ID: SB-06-3.0 **Lab ID: 482773-002** **Collected: 04/04/23 14:10**
Matrix: Soil

482773-002 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.3**		mg/Kg	0.96	0.20
Lead	**5.5**		mg/Kg	0.48	0.066

Sample ID: SB-07-1.0 **Lab ID: 482773-004** **Collected: 04/04/23 13:37**
Matrix: Soil

482773-004 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.98	0.20
Lead	**6.5**		mg/Kg	0.49	0.089

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-07-3.0	Lab ID: 482773-005	Collected: 04/04/23 13:55
	Matrix: Soil	

482773-005 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.2**		mg/Kg	0.96	0.20
Lead	**7.0**		mg/Kg	0.48	0.088

Sample ID: SB-08-1.0	Lab ID: 482773-007	Collected: 04/04/23 13:33
	Matrix: Soil	

482773-007 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.2**		mg/Kg	0.97	0.20
Lead	**11**		mg/Kg	0.49	0.089

Sample ID: SB-08-3.0	Lab ID: 482773-008	Collected: 04/04/23 13:36
	Matrix: Soil	

482773-008 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**6.0**		mg/Kg	0.98	0.20
Lead	**5.8**		mg/Kg	0.49	0.089

Sample ID: SB-09-1.0	Lab ID: 482773-010	Collected: 04/04/23 14:18
	Matrix: Soil	

482773-010 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.7**		mg/Kg	0.95	0.26
Lead	**5.7**		mg/Kg	0.48	0.065

Sample ID: SB-09-3.0	Lab ID: 482773-011	Collected: 04/04/23 14:19
	Matrix: Soil	

482773-011 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.96	0.27
Lead	**5.5**		mg/Kg	0.48	0.066

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-10-1.0	Lab ID: 482773-013	Collected: 04/04/23 14:22
	Matrix: Soil	

482773-013 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.7**		mg/Kg	0.96	0.27
Lead	**7.3**		mg/Kg	0.48	0.066

Sample ID: SB-10-3.0	Lab ID: 482773-014	Collected: 04/04/23 14:29
	Matrix: Soil	

482773-014 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.7**		mg/Kg	0.96	0.27
Lead	**6.0**		mg/Kg	0.48	0.066

Sample ID: SB-11-1.0	Lab ID: 482773-016	Collected: 04/04/23 13:22
	Matrix: Soil	

482773-016 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**110**		mg/Kg	0.95	0.11
Beryllium	**0.49**		mg/Kg	0.48	0.029
Cadmium	**0.31**	J	mg/Kg	0.48	0.034
Chromium	**26**		mg/Kg	0.95	0.091
Cobalt	**9.3**		mg/Kg	0.48	0.10
Copper	**19**		mg/Kg	0.95	0.24
Molybdenum	**0.39**	J	mg/Kg	0.95	0.18
Nickel	**18**		mg/Kg	0.95	0.18
Vanadium	**46**		mg/Kg	0.95	0.077
Zinc	**58**		mg/Kg	4.8	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.5**		mg/Kg	0.95	0.26
Lead	**5.7**		mg/Kg	0.48	0.065
Thallium	**0.20**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.19**		mg/Kg	0.14	0.0052

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-11-3.0	Lab ID: 482773-017	Collected: 04/04/23 13:25
	Matrix: Soil	

482773-017 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.6**		mg/Kg	0.97	0.27
Lead	**5.7**		mg/Kg	0.49	0.066

Sample ID: SB-12-1.0	Lab ID: 482773-019	Collected: 04/04/23 14:25
	Matrix: Soil	

482773-019 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**140**		mg/Kg	0.97	0.11
Beryllium	**0.57**		mg/Kg	0.49	0.029
Cadmium	**0.40**	J	mg/Kg	0.49	0.035
Chromium	**36**		mg/Kg	0.97	0.092
Cobalt	**11**		mg/Kg	0.49	0.11
Copper	**23**		mg/Kg	0.97	0.24
Molybdenum	**0.81**	J	mg/Kg	0.97	0.18
Nickel	**26**		mg/Kg	0.97	0.18
Vanadium	**54**		mg/Kg	0.97	0.078
Zinc	**65**		mg/Kg	4.9	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.3**		mg/Kg	0.95	0.26
Lead	**5.6**		mg/Kg	0.48	0.065
Thallium	**0.21**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.025**	J	mg/Kg	0.15	0.0055

Sample ID: SB-12-3.0	Lab ID: 482773-020	Collected: 04/04/23 14:27
	Matrix: Soil	

482773-020 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.99	0.27
Lead	**5.3**		mg/Kg	0.50	0.068

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Detection Summary

Sample ID: SB-16-1.0	Lab ID: 482773-022	Collected: 04/04/23 10:29
	Matrix: Soil	

482773-022 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.8**		mg/Kg	0.96	0.27
Lead	**28**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**4.8**	J	ug/Kg	5.0	1.4
4,4'-DDE	**4.1**	J	ug/Kg	5.0	1.4
4,4'-DDD	**2.7**	J	ug/Kg	5.0	1.1
4,4'-DDT	**8.8**		ug/Kg	5.0	1.4
Chlordane (Technical)	**140**		ug/Kg	50	11

Sample ID: SB-16-3.0	Lab ID: 482773-023	Collected: 04/04/23 10:35
	Matrix: Soil	

482773-023 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.9**		mg/Kg	0.97	0.27
Lead	**8.9**		mg/Kg	0.49	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**2.3**	J	ug/Kg	5.0	1.4
4,4'-DDE	**1.9**	J	ug/Kg	5.0	1.4
4,4'-DDT	**3.2**	J	ug/Kg	5.0	1.4
Chlordane (Technical)	**34**	J	ug/Kg	50	11

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Detection Summary

Sample ID: SB-17-1.0	Lab ID: 482773-025	Collected: 04/04/23 10:25
	Matrix: Soil	

482773-025 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.1**		mg/Kg	0.99	0.27
Lead	**20**		mg/Kg	0.50	0.068
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**3.2**	J	ug/Kg	5.0	1.4
4,4'-DDE	**7.4**		ug/Kg	5.0	1.4
4,4'-DDD	**1.7**	J	ug/Kg	5.0	1.1
4,4'-DDT	**8.8**		ug/Kg	5.0	1.4
Chlordane (Technical)	**53**		ug/Kg	50	11

Sample ID: SB-17-3.0	Lab ID: 482773-026	Collected: 04/04/23 10:30
	Matrix: Soil	

482773-026 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.1**		mg/Kg	0.96	0.27
Lead	**12**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**2.5**	J	ug/Kg	5.0	1.4
4,4'-DDE	**3.4**	J	ug/Kg	5.0	1.4
4,4'-DDT	**3.6**	J	ug/Kg	5.0	1.4
Chlordane (Technical)	**47**	J	ug/Kg	50	11

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Detection Summary

Sample ID: SB-19-1.0	Lab ID: 482773-028	Collected: 04/04/23 11:04
	Matrix: Soil	

482773-028 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**130**		mg/Kg	0.95	0.11
Beryllium	**0.47**	J	mg/Kg	0.48	0.029
Cadmium	**0.44**	J	mg/Kg	0.48	0.034
Chromium	**30**		mg/Kg	0.95	0.091
Cobalt	**22**		mg/Kg	0.48	0.10
Copper	**23**		mg/Kg	0.95	0.24
Molybdenum	**0.60**	J	mg/Kg	0.95	0.18
Nickel	**24**		mg/Kg	0.95	0.18
Vanadium	**47**		mg/Kg	0.95	0.077
Zinc	**91**		mg/Kg	4.8	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.95	0.26
Lead	**40**		mg/Kg	0.48	0.065
Thallium	**0.18**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.15**	J	mg/Kg	0.16	0.0056
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**2.3**	J	ug/Kg	5.0	1.4
4,4'-DDE	**96**		ug/Kg	5.0	1.4
4,4'-DDT	**69**		ug/Kg	5.0	1.4
Chlordane (Technical)	**200**		ug/Kg	50	11
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Fluoranthene	**4.2**	J	ug/Kg	10	1.0
Pyrene	**4.4**	J	ug/Kg	10	1.2
Benzo(a)anthracene	**2.2**	J	ug/Kg	10	0.95
Chrysene	**4.4**	J	ug/Kg	10	1.2
Benzo(b)fluoranthene	**3.9**	J	ug/Kg	10	1.2
Benzo(a)pyrene	**3.5**	J	ug/Kg	10	2.0
Indeno(1,2,3-cd)pyrene	**2.5**	J	ug/Kg	10	1.1
Benzo(g,h,i)perylene	**4.4**	J	ug/Kg	10	1.4

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Detection Summary

Sample ID: SB-19-3.0	Lab ID: 482773-029	Collected: 04/04/23 11:11
	Matrix: Soil	

482773-029 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.9**		mg/Kg	0.95	0.26
Lead	**5.8**		mg/Kg	0.48	0.065

Sample ID: SB-20-1.0	Lab ID: 482773-031	Collected: 04/04/23 10:11
	Matrix: Soil	

482773-031 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.8**		mg/Kg	0.96	0.27
Lead	**15**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**28**	J	ug/Kg	50	11

Sample ID: SB-20-3.0	Lab ID: 482773-032	Collected: 04/04/23 10:14
	Matrix: Soil	

482773-032 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.6**		mg/Kg	0.97	0.27
Lead	**43**		mg/Kg	0.49	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**3.1**	J	ug/Kg	5.0	1.4
4,4'-DDE	**4.6**	J	ug/Kg	5.0	1.4
4,4'-DDT	**5.7**	C	ug/Kg	5.0	1.4
Chlordane (Technical)	**170**		ug/Kg	50	11

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

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Detection Summary

Sample ID: SB-21-1.0	Lab ID: 482773-034	Collected: 04/04/23 09:33

482773-034 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.75**		mg/L	0.15	0.036	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**6.6**		mg/Kg	0.99	0.27	Soil
Lead	**65**		mg/Kg	0.50	0.068	Soil
Method: EPA 8081A Prep Method: EPA 3546						
Dieldrin	**6.8**	C	ug/Kg	5.1	1.4	Soil
4,4'-DDE	**23**		ug/Kg	5.1	1.5	Soil
4,4'-DDD	**7.5**		ug/Kg	5.1	1.1	Soil
4,4'-DDT	**3.2**	C,J	ug/Kg	5.1	1.7	Soil
Chlordane (Technical)	**160**		ug/Kg	51	11	Soil
Method: EPA 8082 Prep Method: EPA 3546						
Aroclor-1254	**70**		ug/Kg	51	6.6	Soil
Aroclor-1260	**110**		ug/Kg	51	23	Soil

Sample ID: SB-21-3.0	Lab ID: 482773-035	Collected: 04/04/23 09:57
	Matrix: Soil	

482773-035 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.8**		mg/Kg	0.95	0.26
Lead	**6.5**		mg/Kg	0.48	0.065

Sample ID: SB-25-1.0	Lab ID: 482773-037	Collected: 04/04/23 11:06
	Matrix: Soil	

482773-037 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**13**		mg/Kg	0.95	0.26
Lead	**17**		mg/Kg	0.48	0.065

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-25-3.0	Lab ID: 482773-038	Collected: 04/04/23 11:09
	Matrix: Soil	

482773-038 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.1**		mg/Kg	0.96	0.27
Lead	**6.6**		mg/Kg	0.48	0.066

Sample ID: SB-26-1.0	Lab ID: 482773-040	Collected: 04/04/23 12:36
	Matrix: Soil	

482773-040 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**130**		mg/Kg	0.97	0.11
Beryllium	**0.56**		mg/Kg	0.49	0.029
Cadmium	**0.41**	J	mg/Kg	0.49	0.035
Chromium	**34**		mg/Kg	0.97	0.092
Cobalt	**11**		mg/Kg	0.49	0.11
Copper	**23**		mg/Kg	0.97	0.24
Molybdenum	**0.75**	J	mg/Kg	0.97	0.18
Nickel	**25**		mg/Kg	0.97	0.18
Vanadium	**50**		mg/Kg	0.97	0.078
Zinc	**67**		mg/Kg	4.9	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.0**		mg/Kg	0.95	0.26
Lead	**5.6**		mg/Kg	0.48	0.065
Thallium	**0.27**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.016**	J	mg/Kg	0.14	0.0052

Sample ID: SB-26-3.0	Lab ID: 482773-041	Collected: 04/04/23 12:39
	Matrix: Soil	

482773-041 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.2**		mg/Kg	0.98	0.27
Lead	**6.0**		mg/Kg	0.49	0.067

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Detection Summary

Sample ID: SB-27-1.0	Lab ID: 482773-043	Collected: 04/04/23 11:27
	Matrix: Soil	

482773-043 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.98	0.27
Lead	**13**		mg/Kg	0.49	0.067

Sample ID: SB-27-3.0	Lab ID: 482773-044	Collected: 04/04/23 11:30
	Matrix: Soil	

482773-044 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.6**		mg/Kg	0.96	0.27
Lead	**5.7**		mg/Kg	0.48	0.066

Sample ID: SB-29-1.0	Lab ID: 482773-046	Collected: 04/04/23 07:44
	Matrix: Soil	

482773-046 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.1**		mg/Kg	0.99	0.27
Lead	**5.9**		mg/Kg	0.50	0.068

Sample ID: SB-29-3.0	Lab ID: 482773-047	Collected: 04/04/23 07:53
	Matrix: Soil	

482773-047 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.95	0.26
Lead	**5.6**		mg/Kg	0.48	0.065

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Detection Summary

Sample ID: SB-30-1.0	Lab ID: 482773-049	Collected: 04/04/23 08:05
	Matrix: Soil	

482773-049 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**110**		mg/Kg	0.97	0.11
Beryllium	**0.35**	J	mg/Kg	0.49	0.029
Cadmium	**0.26**	J	mg/Kg	0.49	0.035
Chromium	**18**		mg/Kg	0.97	0.092
Cobalt	**8.1**		mg/Kg	0.49	0.11
Copper	**18**		mg/Kg	0.97	0.24
Molybdenum	**0.30**	J	mg/Kg	0.97	0.18
Nickel	**12**		mg/Kg	0.97	0.18
Vanadium	**43**		mg/Kg	0.97	0.078
Zinc	**58**		mg/Kg	4.9	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**2.2**		mg/Kg	0.95	0.26
Lead	**10**		mg/Kg	0.48	0.065
Thallium	**0.15**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.073**	J	mg/Kg	0.15	0.0055
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Fluoranthene	**4.5**	J	ug/Kg	10	0.99
Pyrene	**4.7**	J	ug/Kg	10	1.2
Benzo(a)anthracene	**3.2**	J	ug/Kg	10	0.94
Chrysene	**3.8**	J	ug/Kg	10	1.2
Benzo(b)fluoranthene	**4.6**	J	ug/Kg	10	1.2
Benzo(a)pyrene	**4.0**	J	ug/Kg	10	2.0
Indeno(1,2,3-cd)pyrene	**2.7**	J	ug/Kg	10	1.1
Benzo(g,h,i)perylene	**2.5**	J	ug/Kg	10	1.4

Sample ID: SB-30-3.0	Lab ID: 482773-050	Collected: 04/04/23 08:10
	Matrix: Soil	

482773-050 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.0**		mg/Kg	0.97	0.27
Lead	**5.6**		mg/Kg	0.49	0.066

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Detection Summary

Sample ID: SB-31-1.0	Lab ID: 482773-052	Collected: 04/04/23 08:28
	Matrix: Soil	

482773-052 Analyte		Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B						
	Arsenic	**4.7**		mg/Kg	0.99	0.27
	Lead	**9.3**		mg/Kg	0.50	0.068
Method: EPA 8081A Prep Method: EPA 3546						
	4,4'-DDE	**1.7**	C,J	ug/Kg	4.9	1.4

Sample ID: SB-31-3.0	Lab ID: 482773-053	Collected: 04/04/23 08:32
	Matrix: Soil	

482773-053 Analyte		Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B						
	Arsenic	**5.5**		mg/Kg	0.99	0.27
	Lead	**5.6**		mg/Kg	0.50	0.068

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Detection Summary

Sample ID: SB-32-1.0	Lab ID: 482773-055	Collected: 04/04/23 09:20
	Matrix: Soil	

482773-055 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**86**		mg/Kg	0.99	0.12
Beryllium	**0.33**	J	mg/Kg	0.50	0.030
Cadmium	**0.28**	J	mg/Kg	0.50	0.035
Chromium	**16**		mg/Kg	0.99	0.094
Cobalt	**6.8**		mg/Kg	0.50	0.11
Copper	**14**		mg/Kg	0.99	0.25
Molybdenum	**0.26**	J	mg/Kg	0.99	0.18
Nickel	**10**		mg/Kg	0.99	0.18
Vanadium	**37**		mg/Kg	0.99	0.080
Zinc	**59**		mg/Kg	5.0	0.17
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**3.2**		mg/Kg	0.96	0.27
Lead	**13**		mg/Kg	0.48	0.066
Thallium	**0.18**	J	mg/Kg	0.96	0.14
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.037**	J	mg/Kg	0.17	0.0060
Method: EPA 8081A Prep Method: EPA 3546					
4,4'-DDE	**2.5**	J	ug/Kg	4.9	1.4
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Fluoranthene	**3.1**	J	ug/Kg	10	1.0
Pyrene	**3.2**	J	ug/Kg	10	1.2
Benzo(a)anthracene	**2.9**	J	ug/Kg	10	0.95
Chrysene	**2.8**	J	ug/Kg	10	1.2
Benzo(b)fluoranthene	**4.0**	J	ug/Kg	10	1.2
Benzo(a)pyrene	**3.5**	J	ug/Kg	10	2.0
Indeno(1,2,3-cd)pyrene	**2.1**	J	ug/Kg	10	1.1
Benzo(g,h,i)perylene	**1.8**	J	ug/Kg	10	1.4

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Detection Summary

Sample ID: SB-32-3.0	Lab ID: 482773-056	Collected: 04/04/23 09:24
	Matrix: Soil	

482773-056 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.96	0.27
Lead	**5.9**		mg/Kg	0.48	0.066

Sample ID: SB-33-1.0	Lab ID: 482773-058	Collected: 04/04/23 08:55
	Matrix: Soil	

482773-058 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**2.6**		mg/Kg	0.97	0.27
Lead	**9.2**		mg/Kg	0.49	0.066

Sample ID: SB-33-3.0	Lab ID: 482773-059	Collected: 04/04/23 09:01
	Matrix: Soil	

482773-059 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.95	0.26
Lead	**5.9**		mg/Kg	0.48	0.065

Sample ID: SB-34-1.0	Lab ID: 482773-061	Collected: 04/04/23 10:07
	Matrix: Soil	

482773-061 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**6.5**		mg/Kg	0.96	0.27
Lead	**29**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**3.6**	J	ug/Kg	5.0	1.4
4,4'-DDE	**5.9**		ug/Kg	5.0	1.4
4,4'-DDT	**9.9**	C	ug/Kg	5.0	1.4
Chlordane (Technical)	**180**		ug/Kg	50	11

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Detection Summary

Sample ID: SB-34-3.0	Lab ID: 482773-062	Collected: 04/04/23 10:10

482773-062 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: EPA 3010A						
Lead	**0.0054**	J	mg/L	0.015	0.0036	TCLP Leachate
Method: EPA 6010B Prep Method: METHOD						
Lead	**1.3**		mg/L	0.15	0.036	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**5.0**		mg/Kg	0.95	0.26	Soil
Lead	**110**		mg/Kg	0.48	0.065	Soil
Method: EPA 8081A Prep Method: EPA 3546						
Dieldrin	**2.1**	J	ug/Kg	5.0	1.4	Soil
4,4'-DDE	**6.5**		ug/Kg	5.0	1.4	Soil
4,4'-DDT	**8.0**	C	ug/Kg	5.0	1.4	Soil
Chlordane (Technical)	**57**		ug/Kg	50	11	Soil

Sample ID: SB-34-5.0	Lab ID: 482773-063	Collected: 04/04/23 10:13
	Matrix: Soil	

482773-063 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Lead	**8.2**		mg/Kg	0.99	0.090

Sample ID: SB-35-1.0	Lab ID: 482773-064	Collected: 04/04/23 09:43

482773-064 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.29**		mg/L	0.15	0.036	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**3.3**		mg/Kg	0.95	0.26	Soil
Lead	**54**		mg/Kg	0.48	0.065	Soil
Method: EPA 8081A Prep Method: EPA 3546						
Dieldrin	**3.0**	C,J	ug/Kg	5.0	1.4	Soil
4,4'-DDE	**6.1**		ug/Kg	5.0	1.4	Soil
4,4'-DDT	**5.4**	C	ug/Kg	5.0	1.4	Soil
Chlordane (Technical)	**290**		ug/Kg	50	11	Soil

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-35-3.0	Lab ID: 482773-065	Collected: 04/04/23 09:46
	Matrix: Soil	

482773-065 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.2**		mg/Kg	0.97	0.27
Lead	**5.9**		mg/Kg	0.49	0.066

Sample ID: SB-37-1.0	Lab ID: 482773-067	Collected: 04/04/23 09:24
	Matrix: Soil	

482773-067 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**210**		mg/Kg	0.95	0.11
Beryllium	**0.70**		mg/Kg	0.48	0.029
Cadmium	**0.50**		mg/Kg	0.48	0.034
Chromium	**38**		mg/Kg	0.95	0.091
Cobalt	**12**		mg/Kg	0.48	0.10
Copper	**25**		mg/Kg	0.95	0.24
Molybdenum	**0.97**		mg/Kg	0.95	0.18
Nickel	**27**		mg/Kg	0.95	0.18
Vanadium	**58**		mg/Kg	0.95	0.077
Zinc	**76**		mg/Kg	4.8	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.7**		mg/Kg	0.95	0.26
Lead	**6.2**		mg/Kg	0.48	0.065
Thallium	**0.21**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.12**	J	mg/Kg	0.14	0.0051

Sample ID: SB-37-3.0	Lab ID: 482773-068	Collected: 04/04/23 09:31
	Matrix: Soil	

482773-068 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.3**		mg/Kg	0.96	0.27
Lead	**5.9**		mg/Kg	0.48	0.066

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-13-1.0	Lab ID: 482773-070	Collected: 04/04/23 12:56

482773-070 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: METHOD						
Arsenic	**0.69**		mg/L	0.30	0.019	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**79**		mg/Kg	0.97	0.73	Soil
Lead	**26**		mg/Kg	0.49	0.089	Soil
Method: EPA 8081A Prep Method: EPA 3546						
4,4'-DDE	**2.0**	J	ug/Kg	5.0	1.4	Soil

Sample ID: SB-13-3.0	Lab ID: 482773-071	Collected: 04/04/23 12:59
	Matrix: Soil	

482773-071 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.7**		mg/Kg	0.96	0.72
Lead	**5.6**		mg/Kg	0.48	0.088

Sample ID: EB-230404	Lab ID: 482773-073	Collected: 04/04/23 14:50
	Matrix: Water	

482773-073 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3010A					
Barium	**0.0026**	B,J	mg/L	0.010	0.00041
Chromium	**0.0014**	B,J	mg/L	0.010	0.00044
Zinc	**0.0081**	B,J	mg/L	0.050	0.0074
Method: EPA 6020 Prep Method: EPA 200.8					
Lead	**0.30**	B,J	ug/L	5.0	0.038

B Contamination found in associated Method Blank
C Presence confirmed, but RPD between columns exceeds 40%
J Estimated value

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 432773

Page: 1 of 8

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

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

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	~~LAUSD-GARFIELD HS~~
Report To:	DARREN CROTEAU	Proj. Name:	~~GARFIELD HS-LAUSD~~ SCE
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	18401 VON KARMAN #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th ST. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	JULIANNA CATIVO

Test Instructions / Comments: EMAIL EDD/EDT TO edd@terraphase.com EMAIL REPORT TO vanya.keyes@terraphase.com. H - HOLD

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size		Pres.	ARSENIC (6020B)	OCPs (8081A)	LEAD (6020B)	TITLE 22 METALS (6010B/7471)	PCBs (8082)	PAHs (8270C)	ASBESTOS (CALM)			
1	SB-06-1.0	04/04/23	1405	S	1-8oz	1-4oz	ICE	X	X	X	X	X	X	X			
2	SB-06-3.0	↓	1410	↓	1-8oz	1-4oz	↓	X	X	X	H			H			
3	SB-06-5.0	↓	1412	↓	1-8oz	1-4oz	↓	H	H	H	H	H	H	H			
4	SB-07-1.0	↓	1337	↓	1-8oz	↓	↓	X	X	X							
5	SB-07-3.0	↓	1355	↓	↓	↓	↓	X	X	X							
6	SB-07-5.0	↓	1411	↓	↓	↓	↓	H	H	H							
7	SB-08-1.0	↓	1333	↓	↓	↓	↓	X	X	X							
8	SB-08-3.0	↓	1336	↓	↓	↓	↓	X	X	X							
9	SB-08-5.0	↓	1339	↓	↓	↓	↓	H	H	H							
10	SB-09-1.0	04/04/23	1418	S	1-8oz		ICE	X	X	X							

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATIVO	TEI / GEOLOGIST	4/4/23 1427
1 Received By:	[signature]	Ricardo Serrano	EA	4/4/23 1727
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482773

Page: 2 of 8

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
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Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	~~5035~~ SRC 5030.056.003
Address:	18401 VON KARMAN #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St. ~~LOS ANGELES~~ SRC
Phone:	(949) 377-2227	Global ID:	LOS ANGELES CA
Fax:		Sampled By:	JULIANNA CATIVO

Analysis Request

Test Instructions / Comments

SEE PAGE 1 *

H - HOLD

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	ARSENIC (6020)	VOCs (8081A)	LEAD (6010)	ASBESTOS (PLM)	TITLE 22 METALS (6010B/7471)	PAHs (8270C)	PCBs (8082)			
1	SB-09-3.0	04/04/23	1419	S	1-8oz	ICE	X	X	X							
2	SB-09-5.0		1422				H	H	H							
3	SB-10-1.0		1422				X	X	X							
4	SB-10-3.0		1429				X	X	X							
5	SB-10-5.0		SRC ~~1322~~ 1322		1-8oz		H	H	H							
6	SB-11-1.0		SRC ~~1325~~ 1322		1-8oz / 1-4oz		X	X	X	X	X	X	X			
7	SB-11-3.0		SRC ~~1328~~ 1325				X	X	X	H	H	H	H			
8	SB-11-5.0		1328				H	H	H	H	H	H	H			
9	SB-12-1.0		1425				X	X	X	X	X	X	X			
10	SB-12-3.0	04/04/23	1427	S	1-8oz / 1-4oz	ICE	X	X	X	H	H	H	H			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATIVO	TEI / GEOLOGIST	4/4/23 1727
1 Received By:	[signature]	Ricardo Serrano	EA	4/4/23 1727
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482773

Page: 3 of 8

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
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Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	18401 VON KARMAN #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th ST. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	JULIANNA CATINO

Test Instructions / Comments: * SEE PAGE 1 *

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	ARSENIC (6020)	OCPs (8081A)	LEAD (6010B)	ASBESTOS (PLM)	TITLE 22 METALS (6010B/7471)	PCBs (8082)	PAHs (8270C)				Test Instructions / Comments
1	SB-12-5.0	04/04/23	1430	S	1-8oz / 1-4oz	ICE	H	H	H	H	H	H	H				H-HOLD
2	SB-16-1.0		1029		1-8oz		X	X	X								
3	SB-16-3.0		1035				X	X	X								
4	SB-16-5.0		1040				H	H	H								
5	SB-17-1.0		1025				X	X	X								
6	SB-17-3.0		1030				X	X	X								
7	SB-17-5.0		1035		1-8oz		H	H	H								
8	SB-19-1.0		1104		1-8oz / 1-4oz		X	X	X	X	X	X	X				
9	SB-19-3.0		1111				X	X	X	H	H	H	H				
10	SB-19-5.0	04/04/23	1116	S	1-8oz / 1-4oz	ICE	H	H	H	H	H	H	H				

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATINO	TEI / GEOLOGIST	4/4/23 1727
1 Received By:	[signature]	[signature]	EA	4/4/23 1727
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482773

Page: 4 of 8

Turn Around Time (rush by advanced notice only)

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

Matrix: A = Air, W = Water, SeaW = Sea Water, DW = Drinking Water, WP = Wipe, S = Soil, O = Oil, M = Other matrices (solid), L = Other matrices (aqueous)

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	17101 VON KARMAN AVE #110	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	JULIANNA CATINO

Analysis Request

Test Instructions / Comments: * SEE PAGE 1 *

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No.	Pres.	ARSENIC (6020)	OCPs (8081A)	LEAD (6010B)	ASBESTOS (PLM)	TITLE 22 METALS (6010B/7471)	PCBs (8082)	PAHs (8270C)				Test Instructions / Comments
1	SB-20-1.0	04/04/23	1011	S	1-8oz	ICE	X	X	X								
2	SB-20-3.0		1014				X	X	X								
3	SB-20-5.0		1017				H	H	H								
4	SB-21-1.0		0933				X	X	X			X					
5	SB-21-3.0		0957				X	X	X			H					
6	SB-21-5.0		1002				H	H	H			H					
7	SB-25-1.0		1106				X	X	X								
8	SB-25-3.0		1109				X	X	X								
9	SB-25-5.0		1111		1-8oz		H	H	H								
10	SB-26-1.0	04/04/23	1236	S	1-8oz / 1-4oz	ICE	X	X	X	X	X	X	X				

H - HOLD

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATINO	TEI / GEOLOGIST	4/4/23 1727
1 Received By:	[signature]	Brian LaSenna	EA	4/4/23 1727
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482773

Page: 5 of 5

Turn Around Time (rush by advanced notice only)

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Phone 714-771-6900

Matrix: A = Air, W = Water, SeaW = Sea Water, DW = Drinking Water, WP = Wipe, S = Soil, O = Oil, M = Other matrices (solid), L = Other matrices (aqueous)

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRA PHASE ENGINEERING INC	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	1601 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th ST. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J CATINO

Analysis Request

Test Instructions / Comments: *SEE PAGE 1*

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No.	Pres.	ARSENIC (6020)	OCPS (8081A)	LEAD (6010B)	ASBESTOS (PLM)	TITLE 22 METALS (6010B/7471)	PCBS (8082)	PAHS (8270C)				
1	SB-26-3.0	04/04/23	1239	S		ICE	X	X	X	H	H	H	H				H-HOLD
2	SB-26-5.0	↓	1241	↓		↓	H	H	H	H	H	H	H				
3	SB-27-1.0	↓	1127	↓		↓	X	X	X								
4	SB-27-3.0	↓	1130	↓		↓	X	X	X								
5	SB-27-5.0	↓	1134	↓		↓	H	H	H								
6	SB-29-1.0	↓	0744	↓		↓	X	X	X								
7	SB-29-3.0	↓	0753	↓		↓	X	X	X								
8	SB-29-5.0	↓	0757	↓		↓	H	H	H								
9	SB-30-1.0	↓	0805	↓		↓	X	X	X	X	X	X	X				
10	SB-30-3.0	04/04/23	0810	S		ICE	X	X	X	H	H	H	H				

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATINO	TEI / GEOLOGIST	4/4/23 1727
1 Received By:	[signature]	Ricardo Serrano	EA	4/4/23 1727
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482773

Page: 6 of 8

Turn Around Time (rush by advanced notice only)

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Phone 714-771-6900

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	18401 VAN KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St. LOS ANGELES CA
Phone:	(949) 277-2777	Global ID:	
Fax:		Sampled By:	J. CATNO

Analysis Request: (6020) ARSENIC; (8015M) DCPS; (8010B) LEAD; (CAM) ASBESTOS; (6010B/7471) TITLE 22 METALS; (8082) PCBS; (8270C) PAHS

Test Instructions / Comments: * SEE PAGE 1 *

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	ARSENIC	DCPS	LEAD	ASBESTOS	TITLE 22 METALS	PCBS	PAHS				Test Instructions / Comments
																	H - HOLD
1	SB-30-5.0	04/04/23	0815	S		ICE	H	H	H	H	H	H	H				
2	SB-31-1.0		0828				X	X	X								
3	SB-31-3.0		0832				X	X	X								
4	SB-31-5.0		0835				H	H	H								
5	SB-32-1.0		0920				X	X	X	X	X	X	X				
6	SB-32-3.0		0924				X	X	X	H	H	H	H				
7	SB-32-5.0		0929				H	H	H	H	H	H	H				
8	SB-33-1.0		0855				X	X	X								
9	SB-33-3.0		0901				X	X	X								
10	SB-33-5.0	04/04/23	0904	S		ICE	H	H	H								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATNO	TEI / GABRIELLA	04/04/23 1727
1 Received By:	[signature]	Raven Salmon	EA	4/04/23 1727
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 402773

Page: 7 of 8

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

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

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRA PHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5031.056.003
Address:	16411 VON KARMAN AVE #10	P.O. #:	
	IRVINE CA 92606	Address:	5101 E 6th St. LOS ANGELES
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. CATINO

Test Instructions / Comments: X SEE PAGE 1 X

H - HOLD

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	ARSENIC (6020)	OCPS (8081A)	LEAD (6010B)	ASBESTOS (CALM)	TITLE 22 METALS (6010B/7471)	PCBs (8082)	PAHs (8270C)				
1	SB-34-1.0	04/04/23	1007	S	1-8oz	ICE	X	X	X								
2	SB-34-3.0	↓	1010	↓	↓	↓	X	X	X								
3	SB-34-5.0	↓	1013	↓	↓	↓	H	H	H								
4	SB-35-1.0	↓	0943	↓	↓	↓	X	X	X								
5	SB-35-3.0	↓	0946	↓	↓	↓	X	X	X								
6	SB-35-5.0	↓	0951	↓	1-8oz	↓	H	H	H								
7	SB-37-1.0	↓	0924	↓	1-8oz / 1-4oz	↓	X	X	X	X	X	X	X				
8	SB-37-3.0	↓	0931	↓	↓	↓	X	X	X	H	H	H	H				
9	SB-37-5.0	↓	0937	↓	1-8oz / 1-4oz	↓	H	H	H	H	H	H	H				
10	SB-13-1.0	04/04/23	1256	S		ICE	X	X	X								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATINO	TEI / GEOLOGIST	04/04/23 1427
1 Received By:	[signature]	Ricardo Sanchez	EA	4/04/23 1727
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

D.411.6

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: ABZ 773

Page: 6 of 8

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

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

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th ST. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. CATIVO

Analysis Request

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	ARSENIC (6020)	OCPs (8081A)	LEAD (6010B)	ASBESTOS (PLM)	TITLE 22 METALS (6010B/7471)	PCBs (8082)	PAHs (8270C)				Test Instructions / Comments
1	SB-13-3.0	04/04/23	1259	S	1-8oz	ICE	X	X	X								X SEE PAGE 1*
2	SB-13-5.0	04/04/23	1305	S	1-8oz	ICE	H	H	H								
3	EB-230404	04/04/23	1450	W	5, amber/poly	ICE	X	X	X	X	X	X	X				H- HOLD
4																	
5																	
6																	
7																	
8																	
9																	
10																	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATIVO	TEI / GEOLOGIST	4/4/23 1727
1 Received By:	[signature]	Ricardo Sanchez	EA	4/4/23 1727
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

0.4/1.6

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Terraphase Engineering

Project: LAUSD-GARFIELD HS

Date Received: 4/4/23

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: 1.6 #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: 0.6 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments 34, 35, 36 Time Did not Mat ch COC

34 con: 0953 COC 0933

35 con: 1002 COC 0957

36 con 0957 COC 1002

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: _____ Date: 4-4-23

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

[EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Wed, Apr 12, 2023 at 1:58 PM
To: Patty Mata <patty.mata@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>

Hello Patty,

Could we please run the following additional analyses for the samples submitted last week for our LAUSD Garfield HS Project on standard turnaround time:

Sample ID	Enthalpy ID	PCBs (8082)	PAHs (8270C)
SB-15-1.0	482858-023	X	X
SB-35-1.0	482773-064	X	
SB-36-1.0	482858-009	X	
SB-38-1.0	482858-011	X	
SB-39-1.0	482858-014	X	

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

www.terraphase.com

terraphase engineering

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

RE: [EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Fri, Apr 14, 2023 at 2:37 PM
To: Patty Mata <patty.mata@enthalpy.com>, Daniel Chavez <daniel.chavez@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>, Darren Croteau <darren.croteau@terraphase.com>

Hello Patty,

In addition to the additional TPH tests listed earlier can we please run the following additional tests:

Sample ID	Enthalpy ID	Lead	Lead		Arsenic
		EPA 6020	STLC	TCLP	STLC
SB-13-1.0	482773-070				X
SB-21-1.0	482773-034		X		
SB-22-1.0	482858-017		X	X	
SB-34-3.0	482773-062		X	X	
SB-34-5.0	482773-063	X			
SB-35-1.0	482773-064		X		
SB-36-1.0	482858-009		X		

Sample 482773-063 was previously on hold. All run for standard TAT. We are not sure if we want to run moisture tests yet I will let you know early next week.

thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

ENTHALPY ANALYTICAL

Analysis Results for 482773

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482773
Project No: LAUSD SCHOOL
Location: LAUSD-GARFIELD HS, S030.056.003
Date Received: 04/04/23

Sample ID: SB-06-1.0 **Lab ID: 482773-001** **Collected: 04/04/23 14:05**
Matrix: Soil

482773-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	0.77	0.99	311121	04/05/23	04/07/23	SBW
Barium	**130**		mg/Kg	0.99	0.12	0.99	311121	04/05/23	04/07/23	SBW
Beryllium	**0.54**		mg/Kg	0.50	0.030	0.99	311121	04/05/23	04/07/23	SBW
Cadmium	**0.40**	J	mg/Kg	0.50	0.035	0.99	311121	04/05/23	04/07/23	SBW
Chromium	**32**		mg/Kg	0.99	0.094	0.99	311121	04/05/23	04/07/23	SBW
Cobalt	**11**		mg/Kg	0.50	0.11	0.99	311121	04/05/23	04/07/23	SBW
Copper	**21**		mg/Kg	0.99	0.25	0.99	311121	04/05/23	04/07/23	SBW
Molybdenum	**0.67**	J	mg/Kg	0.99	0.18	0.99	311121	04/05/23	04/07/23	SBW
Nickel	**23**		mg/Kg	0.99	0.18	0.99	311121	04/05/23	04/07/23	SBW
Selenium	ND		mg/Kg	3.0	0.37	0.99	311121	04/05/23	04/07/23	SBW
Silver	ND		mg/Kg	0.50	0.24	0.99	311121	04/05/23	04/07/23	SBW
Vanadium	**48**		mg/Kg	0.99	0.080	0.99	311121	04/05/23	04/07/23	SBW
Zinc	**60**		mg/Kg	5.0	0.17	0.99	311121	04/05/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**6.4**		mg/Kg	0.97	0.20	0.97	311129	04/05/23	04/05/23	JCP
Lead	**5.7**		mg/Kg	0.49	0.089	0.97	311129	04/05/23	04/05/23	JCP
Thallium	ND		mg/Kg	0.97	0.46	0.97	311129	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.034**	J	mg/Kg	0.16	0.0056	1.1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

482773-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	106%		%REC	23-120		0.99	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	116%		%REC	24-120		0.99	311163	04/05/23	04/06/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49	14	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1221	ND		ug/Kg	49	22	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1232	ND		ug/Kg	49	18	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1242	ND		ug/Kg	49	18	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1248	ND		ug/Kg	49	21	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1254	ND		ug/Kg	49	6.5	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1260	ND		ug/Kg	49	24	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1262	ND		ug/Kg	49	16	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1268	ND		ug/Kg	49	13	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	106%		%REC	19-121		0.99	311163	04/05/23	04/06/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10	2.9	1	311212	04/06/23	04/06/23	VTN
Naphthalene	ND		ug/Kg	10	3.1	1	311212	04/06/23	04/06/23	VTN
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	VTN
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Fluorene	ND		ug/Kg	10	2.6	1	311212	04/06/23	04/06/23	VTN
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	VTN
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	VTN
Fluoranthene	ND		ug/Kg	10	0.99	1	311212	04/06/23	04/06/23	VTN
Pyrene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10	0.94	1	311212	04/06/23	04/06/23	VTN
Chrysene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	69%		%REC	27-125		1	311212	04/06/23	04/06/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

482773-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
2-Fluorobiphenyl	62%		%REC	30-120		1	311212	04/06/23	04/06/23	VTN
Terphenyl-d14	69%		%REC	33-155		1	311212	04/06/23	04/06/23	VTN

Sample ID: SB-06-3.0 **Lab ID: 482773-002** **Collected: 04/04/23 14:10**
Matrix: Soil

482773-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.3**		mg/Kg	0.96	0.20	0.96	311129	04/05/23	04/05/23	JCP
Lead	**5.5**		mg/Kg	0.48	0.066	0.96	311129	04/05/23	04/06/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	105%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	113%		%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-07-1.0	Lab ID: 482773-004	Collected: 04/04/23 13:37
	Matrix: Soil	

482773-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.98	0.20	0.98	311129	04/05/23	04/05/23	JCP
Lead	**6.5**		mg/Kg	0.49	0.089	0.98	311129	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	82%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	74%		%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-07-3.0	Lab ID: 482773-005	Collected: 04/04/23 13:55
	Matrix: Soil	

482773-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.2**		mg/Kg	0.96	0.20	0.96	311129	04/05/23	04/05/23	JCP
Lead	**7.0**		mg/Kg	0.48	0.088	0.96	311129	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	97%		%REC	23-120		0.99	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	104%		%REC	24-120		0.99	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-08-1.0	Lab ID: 482773-007	Collected: 04/04/23 13:33
	Matrix: Soil	

482773-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.2**		mg/Kg	0.97	0.20	0.97	311129	04/05/23	04/05/23	JCP
Lead	**11**		mg/Kg	0.49	0.089	0.97	311129	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	101%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	110%		%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-08-3.0	Lab ID: 482773-008	Collected: 04/04/23 13:36
	Matrix: Soil	

482773-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**6.0**		mg/Kg	0.98	0.20	0.98	311129	04/05/23	04/05/23	JCP
Lead	**5.8**		mg/Kg	0.49	0.089	0.98	311129	04/05/23	04/06/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	103%		%REC	23-120		0.99	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	113%		%REC	24-120		0.99	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-09-1.0	Lab ID: 482773-010	Collected: 04/04/23 14:18
	Matrix: Soil	

482773-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.7**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**5.7**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	104%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	113%		%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-09-3.0	Lab ID: 482773-011	Collected: 04/04/23 14:19
	Matrix: Soil	

482773-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**5.5**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	104%		%REC	23-120		0.99	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	114%		%REC	24-120		0.99	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-10-1.0	Lab ID: 482773-013	Collected: 04/04/23 14:22
	Matrix: Soil	

482773-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.7**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**7.3**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	105%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	122%	*	%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-10-3.0	Lab ID: 482773-014	Collected: 04/04/23 14:29
	Matrix: Soil	

482773-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.7**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**6.0**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	85%		%REC	23-120		0.99	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	93%		%REC	24-120		0.99	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-11-1.0	Lab ID: 482773-016	Collected: 04/04/23 13:22
	Matrix: Soil	

482773-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.74	0.95	311205	04/06/23	04/07/23	SBW
Barium	**110**		mg/Kg	0.95	0.11	0.95	311205	04/06/23	04/07/23	SBW
Beryllium	**0.49**		mg/Kg	0.48	0.029	0.95	311205	04/06/23	04/07/23	SBW
Cadmium	**0.31**	J	mg/Kg	0.48	0.034	0.95	311205	04/06/23	04/07/23	SBW
Chromium	**26**		mg/Kg	0.95	0.091	0.95	311205	04/06/23	04/07/23	SBW
Cobalt	**9.3**		mg/Kg	0.48	0.10	0.95	311205	04/06/23	04/07/23	SBW
Copper	**19**		mg/Kg	0.95	0.24	0.95	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.39**	J	mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Nickel	**18**		mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.95	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.48	0.24	0.95	311205	04/06/23	04/07/23	SBW
Vanadium	**46**		mg/Kg	0.95	0.077	0.95	311205	04/06/23	04/07/23	SBW
Zinc	**58**		mg/Kg	4.8	0.16	0.95	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.5**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**5.7**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Thallium	**0.20**	J	mg/Kg	0.95	0.13	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.19**		mg/Kg	0.14	0.0052	1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.98	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.98	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.98	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.98	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.98	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.98	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.98	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.98	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.98	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.98	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.98	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.98	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.98	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.98	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.98	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.98	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.98	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	9.8	5.0	0.98	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	98	15	0.98	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.98	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	101%		%REC	23-120		0.98	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	116%		%REC	24-120		0.98	311163	04/05/23	04/06/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49	14	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1221	ND		ug/Kg	49	22	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1232	ND		ug/Kg	49	18	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1242	ND		ug/Kg	49	18	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1248	ND		ug/Kg	49	21	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1254	ND		ug/Kg	49	6.5	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1260	ND		ug/Kg	49	24	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1262	ND		ug/Kg	49	16	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1268	ND		ug/Kg	49	13	0.98	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	108%		%REC	19-121		0.98	311163	04/05/23	04/06/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
Naphthalene	ND		ug/Kg	10	3.2	1	311212	04/06/23	04/06/23	VTN
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	VTN
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Fluorene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	VTN
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	VTN
Fluoranthene	ND		ug/Kg	10	1.0	1	311212	04/06/23	04/06/23	VTN
Pyrene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10	0.95	1	311212	04/06/23	04/06/23	VTN
Chrysene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	74%		%REC	27-125		1	311212	04/06/23	04/06/23	VTN
2-Fluorobiphenyl	68%		%REC	30-120		1	311212	04/06/23	04/06/23	VTN
Terphenyl-d14	78%		%REC	33-155		1	311212	04/06/23	04/06/23	VTN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-11-3.0	Lab ID: 482773-017	Collected: 04/04/23 13:25
	Matrix: Soil	

482773-017 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.6**		mg/Kg	0.97	0.27	0.97	311135	04/05/23	04/05/23	JCP
Lead	**5.7**		mg/Kg	0.49	0.066	0.97	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	108%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	118%		%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-12-1.0	Lab ID: 482773-019	Collected: 04/04/23 14:25
	Matrix: Soil	

482773-019 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.76	0.97	311205	04/06/23	04/07/23	SBW
Barium	**140**		mg/Kg	0.97	0.11	0.97	311205	04/06/23	04/07/23	SBW
Beryllium	**0.57**		mg/Kg	0.49	0.029	0.97	311205	04/06/23	04/07/23	SBW
Cadmium	**0.40**	J	mg/Kg	0.49	0.035	0.97	311205	04/06/23	04/07/23	SBW
Chromium	**36**		mg/Kg	0.97	0.092	0.97	311205	04/06/23	04/07/23	SBW
Cobalt	**11**		mg/Kg	0.49	0.11	0.97	311205	04/06/23	04/07/23	SBW
Copper	**23**		mg/Kg	0.97	0.24	0.97	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.81**	J	mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Nickel	**26**		mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.97	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.49	0.24	0.97	311205	04/06/23	04/07/23	SBW
Vanadium	**54**		mg/Kg	0.97	0.078	0.97	311205	04/06/23	04/07/23	SBW
Zinc	**65**		mg/Kg	4.9	0.16	0.97	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.3**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**5.6**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Thallium	**0.21**	J	mg/Kg	0.95	0.13	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.025**	J	mg/Kg	0.15	0.0055	1.1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-019 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	10	5.0	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	104%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	119%		%REC	24-120		1	311163	04/05/23	04/06/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	311163	04/05/23	04/06/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	311163	04/05/23	04/06/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	311163	04/05/23	04/06/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	311163	04/05/23	04/06/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	311163	04/05/23	04/06/23	MES
Aroclor-1254	ND		ug/Kg	50	6.5	1	311163	04/05/23	04/06/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	311163	04/05/23	04/06/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	311163	04/05/23	04/06/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	109%		%REC	19-121		1	311163	04/05/23	04/06/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10	2.9	1	311212	04/06/23	04/06/23	VTN
Naphthalene	ND		ug/Kg	10	3.1	1	311212	04/06/23	04/06/23	VTN
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	VTN
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Fluorene	ND		ug/Kg	10	2.6	1	311212	04/06/23	04/06/23	VTN
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	VTN
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	VTN
Fluoranthene	ND		ug/Kg	10	0.99	1	311212	04/06/23	04/06/23	VTN
Pyrene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10	0.94	1	311212	04/06/23	04/06/23	VTN
Chrysene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	66%		%REC	27-125		1	311212	04/06/23	04/06/23	VTN
2-Fluorobiphenyl	62%		%REC	30-120		1	311212	04/06/23	04/06/23	VTN
Terphenyl-d14	69%		%REC	33-155		1	311212	04/06/23	04/06/23	VTN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-12-3.0	Lab ID: 482773-020	Collected: 04/04/23 14:27
	Matrix: Soil	

482773-020 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.99	0.27	0.99	311135	04/05/23	04/05/23	JCP
Lead	**5.3**		mg/Kg	0.50	0.068	0.99	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TJW
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TJW
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TJW
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TJW
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Methoxychlor	ND		ug/Kg	10	5.0	1	311252	04/06/23	04/07/23	TJW
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TJW
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TJW
Surrogates				**Limits**						
TCMX	83%		%REC	23-120		1	311252	04/06/23	04/07/23	TJW
Decachlorobiphenyl	99%		%REC	24-120		1	311252	04/06/23	04/07/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-16-1.0	Lab ID: 482773-022	Collected: 04/04/23 10:29
	Matrix: Soil	

482773-022 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.8**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**28**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TJW
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TJW
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TJW
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TJW
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Dieldrin	**4.8**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDE	**4.1**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
4,4'-DDD	**2.7**	J	ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDT	**8.8**		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TJW
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TJW
Chlordane (Technical)	**140**		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TJW
Surrogates				**Limits**						
TCMX	93%		%REC	23-120		1	311252	04/06/23	04/07/23	TJW
Decachlorobiphenyl	108%		%REC	24-120		1	311252	04/06/23	04/07/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-16-3.0	Lab ID: 482773-023	Collected: 04/04/23 10:35
	Matrix: Soil	

482773-023 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.9**		mg/Kg	0.97	0.27	0.97	311135	04/05/23	04/05/23	JCP
Lead	**8.9**		mg/Kg	0.49	0.066	0.97	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TJW
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TJW
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TJW
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TJW
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Dieldrin	**2.3**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDE	**1.9**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDT	**3.2**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TJW
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TJW
Chlordane (Technical)	**34**	J	ug/Kg	50	11	1	311252	04/06/23	04/07/23	TJW
Surrogates				**Limits**						
TCMX	89%		%REC	23-120		1	311252	04/06/23	04/07/23	TJW
Decachlorobiphenyl	101%		%REC	24-120		1	311252	04/06/23	04/07/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-17-1.0	Lab ID: 482773-025	Collected: 04/04/23 10:25
	Matrix: Soil	

482773-025 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.1**		mg/Kg	0.99	0.27	0.99	311135	04/05/23	04/05/23	JCP
Lead	**20**		mg/Kg	0.50	0.068	0.99	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TJW
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TJW
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TJW
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TJW
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Dieldrin	**3.2**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDE	**7.4**		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
4,4'-DDD	**1.7**	J	ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDT	**8.8**		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TJW
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TJW
Chlordane (Technical)	**53**		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TJW
Surrogates				**Limits**						
TCMX	94%		%REC	23-120		1	311252	04/06/23	04/07/23	TJW
Decachlorobiphenyl	110%		%REC	24-120		1	311252	04/06/23	04/07/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-17-3.0	Lab ID: 482773-026	Collected: 04/04/23 10:30
	Matrix: Soil	

482773-026 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.1**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**12**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TJW
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TJW
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TJW
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TJW
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Dieldrin	**2.5**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDE	**3.4**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDT	**3.6**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TJW
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TJW
Chlordane (Technical)	**47**	J	ug/Kg	50	11	1	311252	04/06/23	04/07/23	TJW
Surrogates				**Limits**						
TCMX	87%		%REC	23-120		1	311252	04/06/23	04/07/23	TJW
Decachlorobiphenyl	104%		%REC	24-120		1	311252	04/06/23	04/07/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-19-1.0	Lab ID: 482773-028	Collected: 04/04/23 11:04
	Matrix: Soil	

482773-028 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.74	0.95	311205	04/06/23	04/07/23	SBW
Barium	**130**		mg/Kg	0.95	0.11	0.95	311205	04/06/23	04/07/23	SBW
Beryllium	**0.47**	J	mg/Kg	0.48	0.029	0.95	311205	04/06/23	04/07/23	SBW
Cadmium	**0.44**	J	mg/Kg	0.48	0.034	0.95	311205	04/06/23	04/07/23	SBW
Chromium	**30**		mg/Kg	0.95	0.091	0.95	311205	04/06/23	04/07/23	SBW
Cobalt	**22**		mg/Kg	0.48	0.10	0.95	311205	04/06/23	04/07/23	SBW
Copper	**23**		mg/Kg	0.95	0.24	0.95	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.60**	J	mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Nickel	**24**		mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.95	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.48	0.24	0.95	311205	04/06/23	04/07/23	SBW
Vanadium	**47**		mg/Kg	0.95	0.077	0.95	311205	04/06/23	04/07/23	SBW
Zinc	**91**		mg/Kg	4.8	0.16	0.95	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**40**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Thallium	**0.18**	J	mg/Kg	0.95	0.13	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.15**	J	mg/Kg	0.16	0.0056	1.1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	MTS
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	MTS
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	MTS
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	MTS
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	MTS
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	MTS
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS
Dieldrin	**2.3**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS
4,4'-DDE	**96**		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	MTS
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	MTS
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	MTS
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	MTS
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	MTS
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS
4,4'-DDT	**69**		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-028 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	MTS
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	MTS
Chlordane (Technical)	**200**		ug/Kg	50	11	1	311252	04/06/23	04/07/23	MTS
Surrogates				**Limits**						
TCMX	93%		%REC	23-120		1	311252	04/06/23	04/07/23	MTS
Decachlorobiphenyl	112%		%REC	24-120		1	311252	04/06/23	04/07/23	MTS
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	1	311252	04/06/23	04/07/23	MTS
Aroclor-1221	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	MTS
Aroclor-1232	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	MTS
Aroclor-1242	ND		ug/Kg	50	16	1	311252	04/06/23	04/07/23	MTS
Aroclor-1248	ND		ug/Kg	50	17	1	311252	04/06/23	04/07/23	MTS
Aroclor-1254	ND		ug/Kg	50	16	1	311252	04/06/23	04/07/23	MTS
Aroclor-1260	ND		ug/Kg	50	23	1	311252	04/06/23	04/07/23	MTS
Aroclor-1262	ND		ug/Kg	50	13	1	311252	04/06/23	04/07/23	MTS
Aroclor-1268	ND		ug/Kg	50	14	1	311252	04/06/23	04/07/23	MTS
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	79%		%REC	19-121		1	311252	04/06/23	04/07/23	MTS
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
Naphthalene	ND		ug/Kg	10	3.2	1	311212	04/06/23	04/06/23	VTN
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	VTN
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Fluorene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	VTN
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	VTN
Fluoranthene	**4.2**	J	ug/Kg	10	1.0	1	311212	04/06/23	04/06/23	VTN
Pyrene	**4.4**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(a)anthracene	**2.2**	J	ug/Kg	10	0.95	1	311212	04/06/23	04/06/23	VTN
Chrysene	**4.4**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(b)fluoranthene	**3.9**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	VTN
Benzo(a)pyrene	**3.5**	J	ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	VTN
Indeno(1,2,3-cd)pyrene	**2.5**	J	ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	VTN
Benzo(g,h,i)perylene	**4.4**	J	ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	80%		%REC	27-125		1	311212	04/06/23	04/06/23	VTN
2-Fluorobiphenyl	78%		%REC	30-120		1	311212	04/06/23	04/06/23	VTN
Terphenyl-d14	74%		%REC	33-155		1	311212	04/06/23	04/06/23	VTN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-19-3.0	Lab ID: 482773-029	Collected: 04/04/23 11:11
	Matrix: Soil	

482773-029 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.9**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**5.8**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.1	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.1	1.1	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.1	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.1	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.1	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.1	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.1	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.1	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.1	1.5	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.1	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.1	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.1	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.1	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.1	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.1	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.1	1.5	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	51	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	91%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	107%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-20-1.0	Lab ID: 482773-031	Collected: 04/04/23 10:11
	Matrix: Soil	

482773-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.8**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**15**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	**28**	J	ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	96%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	113%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-20-3.0	Lab ID: 482773-032	Collected: 04/04/23 10:14
	Matrix: Soil	

482773-032 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.6**		mg/Kg	0.97	0.27	0.97	311135	04/05/23	04/05/23	JCP
Lead	**43**		mg/Kg	0.49	0.066	0.97	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Dieldrin	**3.1**	J	ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDE	**4.6**	J	ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDT	**5.7**	C	ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	**170**		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	92%		%REC	23-120		0.99	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	104%		%REC	24-120		0.99	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-21-1.0	Lab ID: 482773-034	Collected: 04/04/23 09:33

482773-034 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.75**		mg/L	0.15	0.036	WET Leachate	10	311941	04/20/23	04/20/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**6.6**		mg/Kg	0.99	0.27	Soil	0.99	311135	04/05/23	04/05/23	JCP
Lead	**65**		mg/Kg	0.50	0.068	Soil	0.99	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.1	1.2	Soil	1	311252	04/06/23	04/07/23	MES
beta-BHC	ND		ug/Kg	5.1	1.7	Soil	1	311252	04/06/23	04/07/23	MES
gamma-BHC	ND		ug/Kg	5.1	1.1	Soil	1	311252	04/06/23	04/07/23	MES
delta-BHC	ND		ug/Kg	5.1	1.4	Soil	1	311252	04/06/23	04/07/23	MES
Heptachlor	ND		ug/Kg	5.1	1.5	Soil	1	311252	04/06/23	04/07/23	MES
Aldrin	ND		ug/Kg	5.1	1.3	Soil	1	311252	04/06/23	04/07/23	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1.8	Soil	1	311252	04/06/23	04/07/23	MES
Endosulfan I	ND		ug/Kg	5.1	1.4	Soil	1	311252	04/06/23	04/07/23	MES
Dieldrin	**6.8**	C	ug/Kg	5.1	1.4	Soil	1	311252	04/06/23	04/07/23	MES
4,4'-DDE	**23**		ug/Kg	5.1	1.5	Soil	1	311252	04/06/23	04/07/23	MES
Endrin	ND		ug/Kg	5.1	1.6	Soil	1	311252	04/06/23	04/07/23	MES
Endosulfan II	ND		ug/Kg	5.1	1.6	Soil	1	311252	04/06/23	04/07/23	MES
Endosulfan sulfate	ND		ug/Kg	5.1	1.6	Soil	1	311252	04/06/23	04/07/23	MES
4,4'-DDD	**7.5**		ug/Kg	5.1	1.1	Soil	1	311252	04/06/23	04/07/23	MES
Endrin aldehyde	ND		ug/Kg	5.1	1.7	Soil	1	311252	04/06/23	04/07/23	MES
Endrin ketone	ND		ug/Kg	5.1	1.4	Soil	1	311252	04/06/23	04/07/23	MES
4,4'-DDT	**3.2**	C,J	ug/Kg	5.1	1.7	Soil	1	311252	04/06/23	04/07/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	Soil	1	311252	04/06/23	04/07/23	MES
Toxaphene	ND		ug/Kg	100	15	Soil	1	311252	04/06/23	04/07/23	MES
Chlordane (Technical)	**160**		ug/Kg	51	11	Soil	1	311252	04/06/23	04/07/23	MES
Surrogates				**Limits**							
TCMX	94%		%REC	23-120		Soil	1	311252	04/06/23	04/07/23	MES
Decachlorobiphenyl	116%		%REC	24-120		Soil	1	311252	04/06/23	04/07/23	MES
Method: EPA 8082 Prep Method: EPA 3546											
Aroclor-1016	ND		ug/Kg	51	13	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1221	ND		ug/Kg	51	11	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1232	ND		ug/Kg	51	11	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1242	ND		ug/Kg	51	16	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1248	ND		ug/Kg	51	17	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1254	**70**		ug/Kg	51	6.6	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1260	**110**		ug/Kg	51	23	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1262	ND		ug/Kg	51	13	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1268	ND		ug/Kg	51	15	Soil	1	311252	04/06/23	04/07/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-034 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)	74%		%REC	19-121		Soil	1	311252	04/06/23	04/07/23	MES

Sample ID: SB-21-3.0 **Lab ID: 482773-035** **Collected: 04/04/23 09:57**
Matrix: Soil

482773-035 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.8**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**6.5**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	85%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	88%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-25-1.0	Lab ID: 482773-037	Collected: 04/04/23 11:06
	Matrix: Soil	

482773-037 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**13**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**17**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	88%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	100%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-25-3.0	Lab ID: 482773-038	Collected: 04/04/23 11:09
	Matrix: Soil	

482773-038 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.1**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**6.6**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	78%		%REC	23-120		0.99	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	97%		%REC	24-120		0.99	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-26-1.0	Lab ID: 482773-040	Collected: 04/04/23 12:36
	Matrix: Soil	

482773-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.76	0.97	311205	04/06/23	04/07/23	SBW
Barium	**130**		mg/Kg	0.97	0.11	0.97	311205	04/06/23	04/07/23	SBW
Beryllium	**0.56**		mg/Kg	0.49	0.029	0.97	311205	04/06/23	04/07/23	SBW
Cadmium	**0.41**	J	mg/Kg	0.49	0.035	0.97	311205	04/06/23	04/07/23	SBW
Chromium	**34**		mg/Kg	0.97	0.092	0.97	311205	04/06/23	04/07/23	SBW
Cobalt	**11**		mg/Kg	0.49	0.11	0.97	311205	04/06/23	04/07/23	SBW
Copper	**23**		mg/Kg	0.97	0.24	0.97	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.75**	J	mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Nickel	**25**		mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.97	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.49	0.24	0.97	311205	04/06/23	04/07/23	SBW
Vanadium	**50**		mg/Kg	0.97	0.078	0.97	311205	04/06/23	04/07/23	SBW
Zinc	**67**		mg/Kg	4.9	0.16	0.97	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.0**		mg/Kg	0.95	0.26	0.95	311136	04/05/23	04/05/23	JCP
Lead	**5.6**		mg/Kg	0.48	0.065	0.95	311136	04/05/23	04/05/23	JCP
Thallium	**0.27**	J	mg/Kg	0.95	0.13	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.016**	J	mg/Kg	0.14	0.0052	1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	83%		%REC	23-120		0.99	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	104%		%REC	24-120		0.99	311252	04/06/23	04/07/23	TRN
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1221	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1232	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1242	ND		ug/Kg	50	16	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1248	ND		ug/Kg	50	17	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1254	ND		ug/Kg	50	15	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1260	ND		ug/Kg	50	23	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1262	ND		ug/Kg	50	13	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1268	ND		ug/Kg	50	14	0.99	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	72%		%REC	19-121		0.99	311252	04/06/23	04/07/23	TRN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.1	1	311212	04/06/23	04/06/23	TJW
2-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
Naphthalene	ND		ug/Kg	10	3.2	1	311212	04/06/23	04/06/23	TJW
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	TJW
Acenaphthene	ND		ug/Kg	10	2.8	1	311212	04/06/23	04/06/23	TJW
Fluorene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	TJW
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	TJW
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	TJW
Fluoranthene	ND		ug/Kg	10	1.0	1	311212	04/06/23	04/06/23	TJW
Pyrene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	TJW
Benzo(a)anthracene	ND		ug/Kg	10	0.96	1	311212	04/06/23	04/06/23	TJW
Chrysene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	TJW
Benzo(a)pyrene	ND		ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	73%		%REC	27-125		1	311212	04/06/23	04/06/23	TJW
2-Fluorobiphenyl	63%		%REC	30-120		1	311212	04/06/23	04/06/23	TJW
Terphenyl-d14	59%		%REC	33-155		1	311212	04/06/23	04/06/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-26-3.0	Lab ID: 482773-041	Collected: 04/04/23 12:39
	Matrix: Soil	

482773-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.2**		mg/Kg	0.98	0.27	0.98	311136	04/05/23	04/05/23	JCP
Lead	**6.0**		mg/Kg	0.49	0.067	0.98	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	81%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	89%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-27-1.0	Lab ID: 482773-043	Collected: 04/04/23 11:27
	Matrix: Soil	

482773-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.98	0.27	0.98	311136	04/05/23	04/05/23	JCP
Lead	**13**		mg/Kg	0.49	0.067	0.98	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	89%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	103%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-27-3.0	Lab ID: 482773-044	Collected: 04/04/23 11:30
	Matrix: Soil	

482773-044 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.6**		mg/Kg	0.96	0.27	0.96	311136	04/05/23	04/05/23	JCP
Lead	**5.7**		mg/Kg	0.48	0.066	0.96	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	84%		%REC	23-120		0.99	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	104%		%REC	24-120		0.99	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-29-1.0	Lab ID: 482773-046	Collected: 04/04/23 07:44
	Matrix: Soil	

482773-046 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.1**		mg/Kg	0.99	0.27	0.99	311136	04/05/23	04/05/23	JCP
Lead	**5.9**		mg/Kg	0.50	0.068	0.99	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.98	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.6	0.98	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.98	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.98	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.98	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.98	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.98	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.98	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.98	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.98	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.98	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.98	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.98	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.98	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.98	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.98	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.98	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.8	5.0	0.98	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	98	14	0.98	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.98	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	88%		%REC	23-120		0.98	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	116%		%REC	24-120		0.98	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

Sample ID: SB-29-3.0	Lab ID: 482773-047	Collected: 04/04/23 07:53
	Matrix: Soil	

482773-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.95	0.26	0.95	311136	04/05/23	04/05/23	JCP
Lead	**5.6**		mg/Kg	0.48	0.065	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	86%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	100%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-30-1.0	Lab ID: 482773-049	Collected: 04/04/23 08:05
	Matrix: Soil	

482773-049 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.76	0.97	311205	04/06/23	04/07/23	SBW
Barium	**110**		mg/Kg	0.97	0.11	0.97	311205	04/06/23	04/07/23	SBW
Beryllium	**0.35**	J	mg/Kg	0.49	0.029	0.97	311205	04/06/23	04/07/23	SBW
Cadmium	**0.26**	J	mg/Kg	0.49	0.035	0.97	311205	04/06/23	04/07/23	SBW
Chromium	**18**		mg/Kg	0.97	0.092	0.97	311205	04/06/23	04/07/23	SBW
Cobalt	**8.1**		mg/Kg	0.49	0.11	0.97	311205	04/06/23	04/07/23	SBW
Copper	**18**		mg/Kg	0.97	0.24	0.97	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.30**	J	mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Nickel	**12**		mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.97	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.49	0.24	0.97	311205	04/06/23	04/07/23	SBW
Vanadium	**43**		mg/Kg	0.97	0.078	0.97	311205	04/06/23	04/07/23	SBW
Zinc	**58**		mg/Kg	4.9	0.16	0.97	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**2.2**		mg/Kg	0.95	0.26	0.95	311136	04/05/23	04/05/23	JCP
Lead	**10**		mg/Kg	0.48	0.065	0.95	311136	04/05/23	04/05/23	JCP
Thallium	**0.15**	J	mg/Kg	0.95	0.13	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.073**	J	mg/Kg	0.15	0.0055	1.1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311252	04/06/23	04/07/23	MTS
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	MTS
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311252	04/06/23	04/07/23	MTS
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	MTS
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	MTS
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	MTS
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311252	04/06/23	04/07/23	MTS
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	MTS
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	MTS
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	MTS
Endrin	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	MTS
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	MTS
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	MTS
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311252	04/06/23	04/07/23	MTS
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	MTS
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	MTS
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	MTS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-049 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311252	04/06/23	04/07/23	MTS
Toxaphene	ND		ug/Kg	99	15	0.99	311252	04/06/23	04/07/23	MTS
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	MTS
Surrogates				**Limits**						
TCMX	88%		%REC	23-120		0.99	311252	04/06/23	04/07/23	MTS
Decachlorobiphenyl	115%		%REC	24-120		0.99	311252	04/06/23	04/07/23	MTS
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1221	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1232	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1242	ND		ug/Kg	50	16	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1248	ND		ug/Kg	50	17	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1254	ND		ug/Kg	50	15	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1260	ND		ug/Kg	50	23	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1262	ND		ug/Kg	50	13	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1268	ND		ug/Kg	50	14	0.99	311252	04/06/23	04/07/23	MTS
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	84%		%REC	19-121		0.99	311252	04/06/23	04/07/23	MTS
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
2-Methylnaphthalene	ND		ug/Kg	10	2.9	1	311212	04/06/23	04/06/23	TJW
Naphthalene	ND		ug/Kg	10	3.1	1	311212	04/06/23	04/06/23	TJW
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	TJW
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	TJW
Fluorene	ND		ug/Kg	10	2.6	1	311212	04/06/23	04/06/23	TJW
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	TJW
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	TJW
Fluoranthene	**4.5**	J	ug/Kg	10	0.99	1	311212	04/06/23	04/06/23	TJW
Pyrene	**4.7**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(a)anthracene	**3.2**	J	ug/Kg	10	0.94	1	311212	04/06/23	04/06/23	TJW
Chrysene	**3.8**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(b)fluoranthene	**4.6**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	TJW
Benzo(a)pyrene	**4.0**	J	ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	TJW
Indeno(1,2,3-cd)pyrene	**2.7**	J	ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	TJW
Benzo(g,h,i)perylene	**2.5**	J	ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	77%		%REC	27-125		1	311212	04/06/23	04/06/23	TJW
2-Fluorobiphenyl	71%		%REC	30-120		1	311212	04/06/23	04/06/23	TJW
Terphenyl-d14	74%		%REC	33-155		1	311212	04/06/23	04/06/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-30-3.0	Lab ID: 482773-050	Collected: 04/04/23 08:10
	Matrix: Soil	

482773-050 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.0**		mg/Kg	0.97	0.27	0.97	311136	04/05/23	04/05/23	JCP
Lead	**5.6**		mg/Kg	0.49	0.066	0.97	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311222	04/06/23	04/06/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/06/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311222	04/06/23	04/06/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/06/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311222	04/06/23	04/06/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/06/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/06/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/06/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311222	04/06/23	04/06/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/06/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/06/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/06/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/06/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311222	04/06/23	04/06/23	TRN
Surrogates				**Limits**						
TCMX	63%		%REC	23-120		0.99	311222	04/06/23	04/06/23	TRN
Decachlorobiphenyl	68%		%REC	24-120		0.99	311222	04/06/23	04/06/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-31-1.0	Lab ID: 482773-052	Collected: 04/04/23 08:28
	Matrix: Soil	

482773-052 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.7**		mg/Kg	0.99	0.27	0.99	311136	04/05/23	04/05/23	JCP
Lead	**9.3**		mg/Kg	0.50	0.068	0.99	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311222	04/06/23	04/06/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/06/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311222	04/06/23	04/06/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/06/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/06/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/06/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/06/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDE	**1.7**	C,J	ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/06/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311222	04/06/23	04/06/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/06/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/06/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/06/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/06/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311222	04/06/23	04/06/23	TRN
Surrogates				**Limits**						
TCMX	67%		%REC	23-120		0.99	311222	04/06/23	04/06/23	TRN
Decachlorobiphenyl	68%		%REC	24-120		0.99	311222	04/06/23	04/06/23	TRN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

Sample ID: SB-31-3.0	Lab ID: 482773-053	Collected: 04/04/23 08:32
	Matrix: Soil	

482773-053 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.99	0.27	0.99	311136	04/05/23	04/05/23	JCP
Lead	**5.6**		mg/Kg	0.50	0.068	0.99	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311222	04/06/23	04/06/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311222	04/06/23	04/06/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/06/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/06/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311222	04/06/23	04/06/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/06/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/06/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/06/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311222	04/06/23	04/06/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311222	04/06/23	04/06/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311222	04/06/23	04/06/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311222	04/06/23	04/06/23	TRN
Surrogates				**Limits**						
TCMX	83%		%REC	23-120		1	311222	04/06/23	04/06/23	TRN
Decachlorobiphenyl	81%		%REC	24-120		1	311222	04/06/23	04/06/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-32-1.0	Lab ID: 482773-055	Collected: 04/04/23 09:20
	Matrix: Soil	

482773-055 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	0.77	0.99	311205	04/06/23	04/07/23	SBW
Barium	**86**		mg/Kg	0.99	0.12	0.99	311205	04/06/23	04/07/23	SBW
Beryllium	**0.33**	J	mg/Kg	0.50	0.030	0.99	311205	04/06/23	04/07/23	SBW
Cadmium	**0.28**	J	mg/Kg	0.50	0.035	0.99	311205	04/06/23	04/07/23	SBW
Chromium	**16**		mg/Kg	0.99	0.094	0.99	311205	04/06/23	04/07/23	SBW
Cobalt	**6.8**		mg/Kg	0.50	0.11	0.99	311205	04/06/23	04/07/23	SBW
Copper	**14**		mg/Kg	0.99	0.25	0.99	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.26**	J	mg/Kg	0.99	0.18	0.99	311205	04/06/23	04/07/23	SBW
Nickel	**10**		mg/Kg	0.99	0.18	0.99	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	3.0	0.37	0.99	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.50	0.24	0.99	311205	04/06/23	04/07/23	SBW
Vanadium	**37**		mg/Kg	0.99	0.080	0.99	311205	04/06/23	04/07/23	SBW
Zinc	**59**		mg/Kg	5.0	0.17	0.99	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**3.2**		mg/Kg	0.96	0.27	0.96	311136	04/05/23	04/05/23	JCP
Lead	**13**		mg/Kg	0.48	0.066	0.96	311136	04/05/23	04/05/23	JCP
Thallium	**0.18**	J	mg/Kg	0.96	0.14	0.96	311136	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.037**	J	mg/Kg	0.17	0.0060	1.2	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	0.98	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.2	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	**2.5**	J	ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	4.9	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	2.0	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	0.92	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.2	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-055 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	9.9	2.3	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	31	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	9.0	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	69%		%REC	23-120		0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	70%		%REC	24-120		0.99	311222	04/06/23	04/07/23	TRN
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49	14	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1221	ND		ug/Kg	49	22	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1232	ND		ug/Kg	49	18	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1242	ND		ug/Kg	49	18	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1248	ND		ug/Kg	49	21	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1254	ND		ug/Kg	49	6.5	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1260	ND		ug/Kg	49	24	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1262	ND		ug/Kg	49	16	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1268	ND		ug/Kg	49	13	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	84%		%REC	19-121		0.99	311222	04/06/23	04/07/23	TRN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
2-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
Naphthalene	ND		ug/Kg	10	3.2	1	311212	04/06/23	04/06/23	TJW
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	TJW
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	TJW
Fluorene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	TJW
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	TJW
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	TJW
Fluoranthene	**3.1**	J	ug/Kg	10	1.0	1	311212	04/06/23	04/06/23	TJW
Pyrene	**3.2**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(a)anthracene	**2.9**	J	ug/Kg	10	0.95	1	311212	04/06/23	04/06/23	TJW
Chrysene	**2.8**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(b)fluoranthene	**4.0**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	TJW
Benzo(a)pyrene	**3.5**	J	ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	TJW
Indeno(1,2,3-cd)pyrene	**2.1**	J	ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	TJW
Benzo(g,h,i)perylene	**1.8**	J	ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	73%		%REC	27-125		1	311212	04/06/23	04/06/23	TJW
2-Fluorobiphenyl	69%		%REC	30-120		1	311212	04/06/23	04/06/23	TJW
Terphenyl-d14	72%		%REC	33-155		1	311212	04/06/23	04/06/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-32-3.0	Lab ID: 482773-056	Collected: 04/04/23 09:24
	Matrix: Soil	

482773-056 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.96	0.27	0.96	311136	04/05/23	04/05/23	JCP
Lead	**5.9**		mg/Kg	0.48	0.066	0.96	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	87%		%REC	23-120		0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	81%		%REC	24-120		0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-33-1.0	Lab ID: 482773-058	Collected: 04/04/23 08:55
	Matrix: Soil	

482773-058 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**2.6**		mg/Kg	0.97	0.27	0.97	311136	04/05/23	04/05/23	JCP
Lead	**9.2**		mg/Kg	0.49	0.066	0.97	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	74%		%REC	23-120		0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	70%		%REC	24-120		0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-33-3.0	Lab ID: 482773-059	Collected: 04/04/23 09:01
	Matrix: Soil	

482773-059 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.95	0.26	0.95	311136	04/05/23	04/05/23	JCP
Lead	**5.9**		mg/Kg	0.48	0.065	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	66%		%REC	23-120		0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	67%		%REC	24-120		0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-34-1.0	Lab ID: 482773-061	Collected: 04/04/23 10:07
	Matrix: Soil	

482773-061 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**6.5**		mg/Kg	0.96	0.27	0.96	311136	04/05/23	04/05/23	JCP
Lead	**29**		mg/Kg	0.48	0.066	0.96	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Dieldrin	**3.6**	J	ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
4,4'-DDE	**5.9**		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
4,4'-DDT	**9.9**	C	ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.0	1	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	**180**		ug/Kg	50	11	1	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	87%		%REC	23-120		1	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	80%		%REC	24-120		1	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-34-3.0	Lab ID: 482773-062	Collected: 04/04/23 10:10

482773-062 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A											
Lead	**0.0054**	J	mg/L	0.015	0.0036	TCLP Leachate	1	312183	04/20/23	04/21/23	THP
Method: EPA 6010B Prep Method: METHOD											
Lead	**1.3**		mg/L	0.15	0.036	WET Leachate	10	311941	04/20/23	04/21/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**5.0**		mg/Kg	0.95	0.26	Soil	0.95	311136	04/05/23	04/05/23	JCP
Lead	**110**		mg/Kg	0.48	0.065	Soil	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	1.2	Soil	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	Soil	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	Soil	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	Soil	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	Soil	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	Soil	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	**2.1**	J	ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	**6.5**		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	**8.0**	C	ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	Soil	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	Soil	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	**57**		ug/Kg	50	11	Soil	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**							
TCMX	85%		%REC	23-120		Soil	0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	82%		%REC	24-120		Soil	0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

Sample ID: SB-34-5.0	Lab ID: 482773-063	Collected: 04/04/23 10:13
	Matrix: Soil	

482773-063 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Lead	**8.2**		mg/Kg	0.99	0.090	0.99	312077	04/19/23	04/19/23	JCP

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-35-1.0	Lab ID: 482773-064	Collected: 04/04/23 09:43

482773-064 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.29**		mg/L	0.15	0.036	WET Leachate	10	311941	04/20/23	04/21/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**3.3**		mg/Kg	0.95	0.26	Soil	0.95	311136	04/05/23	04/05/23	JCP
Lead	**54**		mg/Kg	0.48	0.065	Soil	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	1.2	Soil	1	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	Soil	1	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	Soil	1	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	Soil	1	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	Soil	1	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	Soil	1	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
Dieldrin	**3.0**	C,J	ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
4,4'-DDE	**6.1**		ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	Soil	1	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	Soil	1	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	Soil	1	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	Soil	1	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	Soil	1	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
4,4'-DDT	**5.4**	C	ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	Soil	1	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	Soil	1	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	**290**		ug/Kg	50	11	Soil	1	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**							
TCMX	85%		%REC	23-120		Soil	1	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	81%		%REC	24-120		Soil	1	311222	04/06/23	04/07/23	TRN
Method: EPA 8082 Prep Method: EPA 3546											
Aroclor-1016	ND		ug/Kg	50	14	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1221	ND		ug/Kg	50	23	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1232	ND		ug/Kg	50	19	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1242	ND		ug/Kg	50	18	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1248	ND		ug/Kg	50	21	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1254	ND		ug/Kg	50	6.6	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1260	ND		ug/Kg	50	24	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1262	ND		ug/Kg	50	16	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1268	ND		ug/Kg	50	13	Soil	1	311222	04/06/23	04/12/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-064 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)	75%		%REC	19-121		Soil	1	311222	04/06/23	04/12/23	TRN

Sample ID: SB-35-3.0 **Lab ID: 482773-065** **Collected: 04/04/23 09:46**
Matrix: Soil

482773-065 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.2**		mg/Kg	0.97	0.27	0.97	311136	04/05/23	04/05/23	JCP
Lead	**5.9**		mg/Kg	0.49	0.066	0.97	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	83%		%REC	23-120		0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	78%		%REC	24-120		0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-37-1.0	Lab ID: 482773-067	Collected: 04/04/23 09:24
	Matrix: Soil	

482773-067 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.74	0.95	311205	04/06/23	04/07/23	SBW
Barium	**210**		mg/Kg	0.95	0.11	0.95	311205	04/06/23	04/07/23	SBW
Beryllium	**0.70**		mg/Kg	0.48	0.029	0.95	311205	04/06/23	04/07/23	SBW
Cadmium	**0.50**		mg/Kg	0.48	0.034	0.95	311205	04/06/23	04/07/23	SBW
Chromium	**38**		mg/Kg	0.95	0.091	0.95	311205	04/06/23	04/07/23	SBW
Cobalt	**12**		mg/Kg	0.48	0.10	0.95	311205	04/06/23	04/07/23	SBW
Copper	**25**		mg/Kg	0.95	0.24	0.95	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.97**		mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Nickel	**27**		mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.95	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.48	0.24	0.95	311205	04/06/23	04/07/23	SBW
Vanadium	**58**		mg/Kg	0.95	0.077	0.95	311205	04/06/23	04/07/23	SBW
Zinc	**76**		mg/Kg	4.8	0.16	0.95	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.7**		mg/Kg	0.95	0.26	0.95	311136	04/05/23	04/05/23	JCP
Lead	**6.2**		mg/Kg	0.48	0.065	0.95	311136	04/05/23	04/05/23	JCP
Thallium	**0.21**	J	mg/Kg	0.95	0.13	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.12**	J	mg/Kg	0.14	0.0051	1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	0.99	1	311222	04/06/23	04/06/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311222	04/06/23	04/06/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.2	1	311222	04/06/23	04/06/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/06/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/06/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/06/23	TRN
Endrin	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	1	311222	04/06/23	04/06/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	0.93	1	311222	04/06/23	04/06/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.2	1	311222	04/06/23	04/06/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/06/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-067 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	10	2.3	1	311222	04/06/23	04/06/23	TRN
Toxaphene	ND		ug/Kg	100	31	1	311222	04/06/23	04/06/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	9.1	1	311222	04/06/23	04/06/23	TRN
Surrogates				**Limits**						
TCMX	80%		%REC	23-120		1	311222	04/06/23	04/06/23	TRN
Decachlorobiphenyl	80%		%REC	24-120		1	311222	04/06/23	04/06/23	TRN
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	311222	04/06/23	04/07/23	TRN
Aroclor-1221	ND		ug/Kg	50	23	1	311222	04/06/23	04/07/23	TRN
Aroclor-1232	ND		ug/Kg	50	18	1	311222	04/06/23	04/07/23	TRN
Aroclor-1242	ND		ug/Kg	50	18	1	311222	04/06/23	04/07/23	TRN
Aroclor-1248	ND		ug/Kg	50	21	1	311222	04/06/23	04/07/23	TRN
Aroclor-1254	ND		ug/Kg	50	6.6	1	311222	04/06/23	04/07/23	TRN
Aroclor-1260	ND		ug/Kg	50	24	1	311222	04/06/23	04/07/23	TRN
Aroclor-1262	ND		ug/Kg	50	16	1	311222	04/06/23	04/07/23	TRN
Aroclor-1268	ND		ug/Kg	50	13	1	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	98%		%REC	19-121		1	311222	04/06/23	04/07/23	TRN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
2-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
Naphthalene	ND		ug/Kg	10	3.1	1	311212	04/06/23	04/06/23	TJW
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	TJW
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	TJW
Fluorene	ND		ug/Kg	10	2.6	1	311212	04/06/23	04/06/23	TJW
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	TJW
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	TJW
Fluoranthene	ND		ug/Kg	10	1.0	1	311212	04/06/23	04/06/23	TJW
Pyrene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(a)anthracene	ND		ug/Kg	10	0.95	1	311212	04/06/23	04/06/23	TJW
Chrysene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	TJW
Benzo(a)pyrene	ND		ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	78%		%REC	27-125		1	311212	04/06/23	04/06/23	TJW
2-Fluorobiphenyl	70%		%REC	30-120		1	311212	04/06/23	04/06/23	TJW
Terphenyl-d14	78%		%REC	33-155		1	311212	04/06/23	04/06/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-37-3.0	Lab ID: 482773-068	Collected: 04/04/23 09:31
	Matrix: Soil	

482773-068 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.3**		mg/Kg	0.96	0.27	0.96	311136	04/05/23	04/05/23	JCP
Lead	**5.9**		mg/Kg	0.48	0.066	0.96	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.0	1	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	78%		%REC	23-120		1	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	76%		%REC	24-120		1	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-13-1.0	Lab ID: 482773-070	Collected: 04/04/23 12:56

482773-070 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD											
Arsenic	**0.69**		mg/L	0.30	0.019	WET Leachate	10	311941	04/20/23	04/20/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**79**		mg/Kg	0.97	0.73	Soil	0.97	311207	04/06/23	04/06/23	JCP
Lead	**26**		mg/Kg	0.49	0.089	Soil	0.97	311207	04/06/23	04/06/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	1.2	Soil	0.99	311222	04/06/23	04/10/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	Soil	0.99	311222	04/06/23	04/10/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	Soil	0.99	311222	04/06/23	04/10/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	Soil	0.99	311222	04/06/23	04/10/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	Soil	0.99	311222	04/06/23	04/10/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	Soil	0.99	311222	04/06/23	04/10/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/10/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDE	**2.0**	J	ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/10/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	Soil	0.99	311222	04/06/23	04/10/23	TRN
Toxaphene	ND		ug/Kg	99	15	Soil	0.99	311222	04/06/23	04/10/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	Soil	0.99	311222	04/06/23	04/10/23	TRN
Surrogates				**Limits**							
TCMX	67%		%REC	23-120		Soil	0.99	311222	04/06/23	04/10/23	TRN
Decachlorobiphenyl	73%		%REC	24-120		Soil	0.99	311222	04/06/23	04/10/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-13-3.0	Lab ID: 482773-071	Collected: 04/04/23 12:59
	Matrix: Soil	

482773-071 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.7**		mg/Kg	0.96	0.72	0.96	311207	04/06/23	04/06/23	JCP
Lead	**5.6**		mg/Kg	0.48	0.088	0.96	311207	04/06/23	04/06/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311222	04/06/23	04/10/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/10/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311222	04/06/23	04/10/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/10/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/10/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/10/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/10/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/10/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311222	04/06/23	04/10/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/10/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/10/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/10/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/10/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311222	04/06/23	04/10/23	TRN
Surrogates				**Limits**						
TCMX	70%		%REC	23-120		0.99	311222	04/06/23	04/10/23	TRN
Decachlorobiphenyl	74%		%REC	24-120		0.99	311222	04/06/23	04/10/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: EB-230404	Lab ID: 482773-073	Collected: 04/04/23 14:50
	Matrix: Water	

482773-073 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	ND		mg/L	0.030	0.0063	1	311111	04/05/23	04/06/23	THP
Barium	**0.0026**	B,J	mg/L	0.010	0.00041	1	311111	04/05/23	04/06/23	THP
Beryllium	ND		mg/L	0.0050	0.0014	1	311111	04/05/23	04/06/23	THP
Cadmium	ND		mg/L	0.0050	0.00098	1	311111	04/05/23	04/06/23	THP
Chromium	**0.0014**	B,J	mg/L	0.010	0.00044	1	311111	04/05/23	04/06/23	THP
Cobalt	ND		mg/L	0.0050	0.0017	1	311111	04/05/23	04/06/23	THP
Copper	ND		mg/L	0.010	0.0043	1	311111	04/05/23	04/06/23	THP
Molybdenum	ND		mg/L	0.010	0.0044	1	311111	04/05/23	04/06/23	THP
Nickel	ND		mg/L	0.010	0.0025	1	311111	04/05/23	04/06/23	THP
Selenium	ND		mg/L	0.030	0.0020	1	311111	04/05/23	04/06/23	THP
Silver	ND		mg/L	0.0050	0.0010	1	311111	04/05/23	04/06/23	THP
Thallium	ND		mg/L	0.030	0.0082	1	311111	04/05/23	04/06/23	THP
Vanadium	ND		mg/L	0.010	0.0053	1	311111	04/05/23	04/06/23	THP
Zinc	**0.0081**	B,J	mg/L	0.050	0.0074	1	311111	04/05/23	04/06/23	THP
Method: EPA 6020 Prep Method: EPA 200.8										
Arsenic	ND		ug/L	2.0	0.037	1	311326	04/07/23	04/10/23	JCP
Lead	**0.30**	B,J	ug/L	5.0	0.038	1	311326	04/07/23	04/10/23	JCP
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	0.033	1	311152	04/05/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
beta-BHC	ND		ug/L	0.05	0.008	0.94	311399	04/09/23	04/09/23	TRN
gamma-BHC	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
delta-BHC	ND		ug/L	0.05	0.007	0.94	311399	04/09/23	04/09/23	TRN
Heptachlor	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Aldrin	ND		ug/L	0.05	0.02	0.94	311399	04/09/23	04/09/23	TRN
Heptachlor epoxide	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan I	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Dieldrin	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDE	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endrin	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan II	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan sulfate	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDD	ND		ug/L	0.09	0.03	0.94	311399	04/09/23	04/09/23	TRN
Endrin aldehyde	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
Endrin ketone	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDT	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

482773-073 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/L	0.09	0.03	0.94	311399	04/09/23	04/09/23	TRN
Toxaphene	ND		ug/L	1.9	0.3	0.94	311399	04/09/23	04/09/23	TRN
Chlordane (Technical)	ND		ug/L	0.9	0.3	0.94	311399	04/09/23	04/09/23	TRN
Surrogates				**Limits**						
TCMX	76%		%REC	14-120		0.94	311399	04/09/23	04/09/23	TRN
Decachlorobiphenyl	77%		%REC	20-120		0.94	311399	04/09/23	04/09/23	TRN
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.47	0.14	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1221	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1232	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1242	ND		ug/L	0.47	0.16	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1248	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1254	ND		ug/L	0.47	0.26	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1260	ND		ug/L	0.47	0.19	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1262	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1268	ND		ug/L	0.47	0.12	0.94	311399	04/09/23	04/09/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	94%		%REC	18-126		0.94	311399	04/09/23	04/09/23	TRN
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	0.48	0.35	0.97	311404	04/09/23	04/10/23	VTN
2-Methylnaphthalene	ND		ug/L	0.48	0.36	0.97	311404	04/09/23	04/10/23	VTN
Naphthalene	ND		ug/L	0.48	0.36	0.97	311404	04/09/23	04/10/23	VTN
Acenaphthylene	ND		ug/L	0.48	0.34	0.97	311404	04/09/23	04/10/23	VTN
Acenaphthene	ND		ug/L	0.48	0.32	0.97	311404	04/09/23	04/10/23	VTN
Fluorene	ND		ug/L	0.48	0.34	0.97	311404	04/09/23	04/10/23	VTN
Phenanthrene	ND		ug/L	0.48	0.26	0.97	311404	04/09/23	04/10/23	VTN
Anthracene	ND		ug/L	0.48	0.26	0.97	311404	04/09/23	04/10/23	VTN
Fluoranthene	ND		ug/L	0.48	0.30	0.97	311404	04/09/23	04/10/23	VTN
Pyrene	ND		ug/L	0.48	0.31	0.97	311404	04/09/23	04/10/23	VTN
Benzo(a)anthracene	ND		ug/L	0.48	0.27	0.97	311404	04/09/23	04/10/23	VTN
Chrysene	ND		ug/L	0.48	0.30	0.97	311404	04/09/23	04/10/23	VTN
Benzo(b)fluoranthene	ND		ug/L	0.48	0.30	0.97	311404	04/09/23	04/10/23	VTN
Benzo(k)fluoranthene	ND		ug/L	0.48	0.32	0.97	311404	04/09/23	04/10/23	VTN
Benzo(a)pyrene	ND		ug/L	0.48	0.28	0.97	311404	04/09/23	04/10/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.48	0.28	0.97	311404	04/09/23	04/10/23	VTN
Dibenz(a,h)anthracene	ND		ug/L	0.48	0.27	0.97	311404	04/09/23	04/10/23	VTN
Benzo(g,h,i)perylene	ND		ug/L	0.48	0.27	0.97	311404	04/09/23	04/10/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	79%		%REC	16-125		0.97	311404	04/09/23	04/10/23	VTN
2-Fluorobiphenyl	71%		%REC	17-120		0.97	311404	04/09/23	04/10/23	VTN
Terphenyl-d14	77%		%REC	39-123		0.97	311404	04/09/23	04/10/23	VTN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

*	Value is outside QC limits
B	Contamination found in associated Method Blank
C	Presence confirmed, but RPD between columns exceeds 40%
J	Estimated value
ND	Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056418	Batch: 311111
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1056418 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/L	0.030	0.0063	04/05/23	04/06/23
Barium	0.00066	J	mg/L	0.010	0.00041	04/05/23	04/06/23
Beryllium	ND		mg/L	0.0050	0.0013	04/05/23	04/06/23
Cadmium	ND		mg/L	0.0050	0.00098	04/05/23	04/06/23
Chromium	0.00079	J	mg/L	0.010	0.00044	04/05/23	04/06/23
Cobalt	ND		mg/L	0.0050	0.0017	04/05/23	04/06/23
Copper	ND		mg/L	0.010	0.0043	04/05/23	04/06/23
Molybdenum	ND		mg/L	0.010	0.0044	04/05/23	04/06/23
Nickel	ND		mg/L	0.010	0.0025	04/05/23	04/06/23
Selenium	ND		mg/L	0.030	0.0020	04/05/23	04/06/23
Silver	ND		mg/L	0.0050	0.0010	04/05/23	04/06/23
Thallium	ND		mg/L	0.030	0.0082	04/05/23	04/06/23
Vanadium	ND		mg/L	0.010	0.0053	04/05/23	04/06/23
Zinc	0.015	J	mg/L	0.050	0.0074	04/05/23	04/06/23

Type: Lab Control Sample	Lab ID: QC1056419	Batch: 311111
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1056419 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	0.4309	0.4000	mg/L	108%		80-120
Barium	0.4420	0.4000	mg/L	110%		80-120
Beryllium	0.3617	0.4000	mg/L	90%		80-120
Cadmium	0.4235	0.4000	mg/L	106%		80-120
Chromium	0.4759	0.4000	mg/L	119%		80-120
Cobalt	0.4642	0.4000	mg/L	116%		80-120
Copper	0.4210	0.4000	mg/L	105%		80-120
Molybdenum	0.4519	0.4000	mg/L	113%		80-120
Nickel	0.4624	0.4000	mg/L	116%		80-120
Selenium	0.3851	0.4000	mg/L	96%		80-120
Silver	0.2045	0.2000	mg/L	102%		80-120
Thallium	0.4551	0.4000	mg/L	114%	b	80-120
Vanadium	0.4463	0.4000	mg/L	112%		80-120
Zinc	0.4800	0.4000	mg/L	120%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1056420	Batch:	311111
Matrix (Source ID):	Water (482737-006)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1056420 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.4256	ND	0.4000	mg/L	106%		75-125	1
Barium	0.4355	0.0008587	0.4000	mg/L	109%		75-125	1
Beryllium	0.3956	ND	0.4000	mg/L	99%		75-125	1
Cadmium	0.4199	ND	0.4000	mg/L	105%		75-125	1
Chromium	0.4687	0.0009959	0.4000	mg/L	117%		75-125	1
Cobalt	0.4554	ND	0.4000	mg/L	114%		75-125	1
Copper	0.4161	ND	0.4000	mg/L	104%		75-125	1
Molybdenum	0.4447	ND	0.4000	mg/L	111%		75-125	1
Nickel	0.4568	ND	0.4000	mg/L	114%		75-125	1
Selenium	0.3793	ND	0.4000	mg/L	95%		75-125	1
Silver	0.2017	ND	0.2000	mg/L	101%		75-125	1
Thallium	0.4516	ND	0.4000	mg/L	113%	b	75-125	1
Vanadium	0.4408	ND	0.4000	mg/L	110%		75-125	1
Zinc	0.4709	0.009543	0.4000	mg/L	115%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1056421	Batch:	311111
Matrix (Source ID):	Water (482737-006)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1056421 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.4256	ND	0.4000	mg/L	106%		75-125	0	20	1
Barium	0.4346	0.0008587	0.4000	mg/L	108%		75-125	0	20	1
Beryllium	0.3965	ND	0.4000	mg/L	99%		75-125	0	20	1
Cadmium	0.4199	ND	0.4000	mg/L	105%		75-125	0	20	1
Chromium	0.4718	0.0009959	0.4000	mg/L	118%		75-125	1	20	1
Cobalt	0.4591	ND	0.4000	mg/L	115%		75-125	1	20	1
Copper	0.4258	ND	0.4000	mg/L	106%		75-125	2	20	1
Molybdenum	0.4477	ND	0.4000	mg/L	112%		75-125	1	20	1
Nickel	0.4594	ND	0.4000	mg/L	115%		75-125	1	20	1
Selenium	0.3871	ND	0.4000	mg/L	97%		75-125	2	20	1
Silver	0.2058	ND	0.2000	mg/L	103%		75-125	2	20	1
Thallium	0.4561	ND	0.4000	mg/L	114%	b	75-125	1	20	1
Vanadium	0.4492	ND	0.4000	mg/L	112%		75-125	2	20	1
Zinc	0.4705	0.009543	0.4000	mg/L	115%		75-125	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1059935	Batch: 312183
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1059935 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.015	0.0036	04/20/23	04/21/23

Type: Lab Control Sample	Lab ID: QC1059936	Batch: 312183
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1059936 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	1.862	2.000	mg/L	93%		80-120

Type: Matrix Spike	Lab ID: QC1060013	Batch: 312183
Matrix (Source ID): TCLP Leachate (482542-024)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1060013 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	1.858	ND	2.000	mg/L	93%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1060014	Batch: 312183
Matrix (Source ID): TCLP Leachate (482542-024)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1060014 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	1.892	ND	2.000	mg/L	95%		75-125	2	20	1

Type: Blank	Lab ID: QC1059160	Batch: 311941
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1059160 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/L	0.30	0.019	04/20/23	04/20/23
Lead	ND		mg/L	0.15	0.036	04/20/23	04/20/23

Type: Lab Control Sample	Lab ID: QC1059161	Batch: 311941
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1059161 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	4.163	4.000	mg/L	104%		80-120
Lead	4.394	4.000	mg/L	110%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1059162**	**Batch:**	**311941**
Matrix:	**WET Leachate**	**Method:**	**EPA 6010B**	**Prep Method:**	**METHOD**

QC1059162 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Arsenic	4.261	4.000	mg/L	107%		80-120	2	20
Lead	4.460	4.000	mg/L	111%		80-120	1	20

Type:	**Blank**	**Lab ID:**	**QC1056454**	**Batch:**	**311121**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1056454 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	0.78	04/05/23	04/07/23
Barium	ND		mg/Kg	1.0	0.12	04/05/23	04/07/23
Beryllium	ND		mg/Kg	0.50	0.030	04/05/23	04/07/23
Cadmium	ND		mg/Kg	0.50	0.036	04/05/23	04/07/23
Chromium	0.14	J	mg/Kg	1.0	0.095	04/05/23	04/07/23
Cobalt	ND		mg/Kg	0.50	0.11	04/05/23	04/07/23
Copper	ND		mg/Kg	1.0	0.25	04/05/23	04/07/23
Molybdenum	ND		mg/Kg	1.0	0.18	04/05/23	04/07/23
Nickel	ND		mg/Kg	1.0	0.18	04/05/23	04/07/23
Selenium	ND		mg/Kg	3.0	0.37	04/05/23	04/07/23
Silver	ND		mg/Kg	0.50	0.25	04/05/23	04/07/23
Vanadium	ND		mg/Kg	1.0	0.081	04/05/23	04/07/23
Zinc	0.27	J	mg/Kg	5.0	0.17	04/05/23	04/07/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056455**	**Batch:**	**311121**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1056455 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	93.68	100.0	mg/Kg	94%		80-120
Barium	99.38	100.0	mg/Kg	99%		80-120
Beryllium	96.08	100.0	mg/Kg	96%		80-120
Cadmium	100.2	100.0	mg/Kg	100%		80-120
Chromium	99.42	100.0	mg/Kg	99%		80-120
Cobalt	100.4	100.0	mg/Kg	100%		80-120
Copper	98.53	100.0	mg/Kg	99%		80-120
Molybdenum	94.15	100.0	mg/Kg	94%		80-120
Nickel	99.44	100.0	mg/Kg	99%		80-120
Selenium	98.24	100.0	mg/Kg	98%		80-120
Silver	50.56	50.00	mg/Kg	101%		80-120
Vanadium	95.70	100.0	mg/Kg	96%		80-120
Zinc	101.3	100.0	mg/Kg	101%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1056456	Batch:	311121
Matrix (Source ID):	Soil (482737-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1056456 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	71.65	ND	96.15	mg/Kg	75%		75-125	0.96
Barium	139.9	37.21	96.15	mg/Kg	107%		75-125	0.96
Beryllium	100.5	ND	96.15	mg/Kg	105%		75-125	0.96
Cadmium	104.7	ND	96.15	mg/Kg	109%		75-125	0.96
Chromium	108.7	4.282	96.15	mg/Kg	109%		75-125	0.96
Cobalt	105.1	1.230	96.15	mg/Kg	108%		75-125	0.96
Copper	96.59	1.575	96.15	mg/Kg	99%		75-125	0.96
Molybdenum	96.85	ND	96.15	mg/Kg	101%		75-125	0.96
Nickel	103.9	1.728	96.15	mg/Kg	106%		75-125	0.96
Selenium	94.55	ND	96.15	mg/Kg	98%		75-125	0.96
Silver	45.98	ND	48.08	mg/Kg	96%		75-125	0.96
Vanadium	112.5	11.04	96.15	mg/Kg	105%		75-125	0.96
Zinc	114.4	8.780	96.15	mg/Kg	110%		75-125	0.96

Type:	Matrix Spike Duplicate	Lab ID:	QC1056457	Batch:	311121
Matrix (Source ID):	Soil (482737-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1056457 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	70.58	ND	99.01	mg/Kg	71%	*	75-125	4	41	0.99
Barium	134.8	37.21	99.01	mg/Kg	99%		75-125	6	20	0.99
Beryllium	98.61	ND	99.01	mg/Kg	100%		75-125	5	20	0.99
Cadmium	103.5	ND	99.01	mg/Kg	104%		75-125	4	20	0.99
Chromium	106.2	4.282	99.01	mg/Kg	103%		75-125	5	20	0.99
Cobalt	103.3	1.230	99.01	mg/Kg	103%		75-125	5	20	0.99
Copper	94.61	1.575	99.01	mg/Kg	94%		75-125	5	20	0.99
Molybdenum	95.00	ND	99.01	mg/Kg	96%		75-125	5	20	0.99
Nickel	101.7	1.728	99.01	mg/Kg	101%		75-125	5	20	0.99
Selenium	92.95	ND	99.01	mg/Kg	94%		75-125	5	20	0.99
Silver	45.19	ND	49.50	mg/Kg	91%		75-125	5	20	0.99
Vanadium	110.1	11.04	99.01	mg/Kg	100%		75-125	5	20	0.99
Zinc	113.3	8.780	99.01	mg/Kg	106%		75-125	4	20	0.99

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1056710	**Batch:** 311205
Matrix: Miscell.	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1056710 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	0.78	04/06/23	04/07/23
Barium	ND		mg/Kg	1.0	0.12	04/06/23	04/07/23
Beryllium	ND		mg/Kg	0.50	0.030	04/06/23	04/07/23
Cadmium	ND		mg/Kg	0.50	0.036	04/06/23	04/07/23
Chromium	0.18	J	mg/Kg	1.0	0.095	04/06/23	04/07/23
Cobalt	ND		mg/Kg	0.50	0.11	04/06/23	04/07/23
Copper	ND		mg/Kg	1.0	0.25	04/06/23	04/07/23
Molybdenum	ND		mg/Kg	1.0	0.18	04/06/23	04/07/23
Nickel	ND		mg/Kg	1.0	0.18	04/06/23	04/07/23
Selenium	0.38	J	mg/Kg	3.0	0.37	04/06/23	04/07/23
Silver	ND		mg/Kg	0.50	0.25	04/06/23	04/07/23
Vanadium	ND		mg/Kg	1.0	0.081	04/06/23	04/07/23
Zinc	0.25	J	mg/Kg	5.0	0.17	04/06/23	04/07/23

Type: Lab Control Sample	**Lab ID:** QC1056711	**Batch:** 311205
Matrix: Miscell.	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1056711 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	93.35	100.0	mg/Kg	93%		80-120
Barium	100.7	100.0	mg/Kg	101%		80-120
Beryllium	97.43	100.0	mg/Kg	97%		80-120
Cadmium	101.4	100.0	mg/Kg	101%		80-120
Chromium	101.2	100.0	mg/Kg	101%		80-120
Cobalt	102.5	100.0	mg/Kg	102%		80-120
Copper	92.20	100.0	mg/Kg	92%		80-120
Molybdenum	95.56	100.0	mg/Kg	96%		80-120
Nickel	99.84	100.0	mg/Kg	100%		80-120
Selenium	86.75	100.0	mg/Kg	87%		80-120
Silver	45.42	50.00	mg/Kg	91%		80-120
Vanadium	97.64	100.0	mg/Kg	98%		80-120
Zinc	101.3	100.0	mg/Kg	101%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1056712	Batch:	311205
Matrix (Source ID):	Soil (482773-016)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1056712 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	20.53	ND	96.15	mg/Kg	21%	*	75-125	0.96
Barium	228.8	111.5	96.15	mg/Kg	122%		75-125	0.96
Beryllium	92.92	0.4932	96.15	mg/Kg	96%		75-125	0.96
Cadmium	94.60	0.3060	96.15	mg/Kg	98%		75-125	0.96
Chromium	125.4	26.30	96.15	mg/Kg	103%		75-125	0.96
Cobalt	103.8	9.282	96.15	mg/Kg	98%		75-125	0.96
Copper	115.5	18.80	96.15	mg/Kg	101%		75-125	0.96
Molybdenum	85.99	0.3892	96.15	mg/Kg	89%		75-125	0.96
Nickel	112.4	18.44	96.15	mg/Kg	98%		75-125	0.96
Selenium	81.96	ND	96.15	mg/Kg	85%		75-125	0.96
Silver	42.98	ND	48.08	mg/Kg	89%		75-125	0.96
Vanadium	148.5	46.50	96.15	mg/Kg	106%		75-125	0.96
Zinc	158.0	57.98	96.15	mg/Kg	104%		75-125	0.96

Type:	Matrix Spike Duplicate	Lab ID:	QC1056713	Batch:	311205
Matrix (Source ID):	Soil (482773-016)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1056713 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	21.99	ND	97.09	mg/Kg	23%	*	75-125	6	41	0.97
Barium	217.9	111.5	97.09	mg/Kg	110%		75-125	5	20	0.97
Beryllium	92.84	0.4932	97.09	mg/Kg	95%		75-125	1	20	0.97
Cadmium	94.67	0.3060	97.09	mg/Kg	97%		75-125	1	20	0.97
Chromium	123.6	26.30	97.09	mg/Kg	100%		75-125	2	20	0.97
Cobalt	104.4	9.282	97.09	mg/Kg	98%		75-125	0	20	0.97
Copper	113.4	18.80	97.09	mg/Kg	97%		75-125	3	20	0.97
Molybdenum	87.09	0.3892	97.09	mg/Kg	89%		75-125	0	20	0.97
Nickel	111.3	18.44	97.09	mg/Kg	96%		75-125	2	20	0.97
Selenium	82.22	ND	97.09	mg/Kg	85%		75-125	1	20	0.97
Silver	42.85	ND	48.54	mg/Kg	88%		75-125	1	20	0.97
Vanadium	145.4	46.50	97.09	mg/Kg	102%		75-125	3	20	0.97
Zinc	153.4	57.98	97.09	mg/Kg	98%		75-125	4	20	0.97

Type:	Blank	Lab ID:	QC1057081	Batch:	311326
Matrix:	Water	Method:	EPA 6020	Prep Method:	EPA 200.8

QC1057081 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		ug/L	2.0	0.22	04/07/23	04/08/23
Lead	0.21	J	ug/L	5.0	0.038	04/07/23	04/10/23

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1057082	Batch:	311326
Matrix:	Water	Method:	EPA 6020	Prep Method:	EPA 200.8

QC1057082 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	99.34	100.0	ug/L	99%		80-120
Lead	96.93	100.0	ug/L	97%		80-120

Type:	Matrix Spike	Lab ID:	QC1057083	Batch:	311326
Matrix (Source ID):	Water (482773-073)	Method:	EPA 6020	Prep Method:	EPA 200.8

QC1057083 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	104.5	ND	100.0	ug/L	105%		75-125	1
Lead	102.3	0.3042	100.0	ug/L	102%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1057084	Batch:	311326
Matrix (Source ID):	Water (482773-073)	Method:	EPA 6020	Prep Method:	EPA 200.8

QC1057084 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	104.2	ND	100.0	ug/L	104%		75-125	0	20	1
Lead	99.96	0.3042	100.0	ug/L	100%		75-125	2	20	1

Type:	Blank	Lab ID:	QC1056468	Batch:	311129
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056468 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.21	04/05/23	04/05/23
Lead	ND		mg/Kg	0.50	0.091	04/05/23	04/05/23
Thallium	ND		mg/Kg	1.0	0.47	04/05/23	04/05/23

Type:	Lab Control Sample	Lab ID:	QC1056469	Batch:	311129
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056469 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	52.77	50.00	mg/Kg	106%		80-120
Lead	49.11	50.00	mg/Kg	98%		80-120
Thallium	48.18	50.00	mg/Kg	96%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1056470	Batch:	311129
Matrix (Source ID):	Soil (482637-001)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056470 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	53.26	8.740	48.54	mg/Kg	92%		75-125	0.97
Lead	447.6	433.3	48.54	mg/Kg	29%	NM	75-125	9.7
Thallium	42.99	ND	48.54	mg/Kg	89%		75-125	0.97

Type:	Matrix Spike Duplicate	Lab ID:	QC1056471	Batch:	311129
Matrix (Source ID):	Soil (482637-001)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056471 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	53.25	8.740	48.08	mg/Kg	93%		75-125	1	20	0.96
Lead	602.8	433.3	48.08	mg/Kg	353%	NM	75-125	30*	20	9.6
Thallium	42.32	ND	48.08	mg/Kg	88%		75-125	1	20	0.96

Type:	Blank	Lab ID:	QC1056486	Batch:	311135
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056486 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.28	04/05/23	04/05/23
Lead	0.27	J	mg/Kg	0.50	0.068	04/05/23	04/05/23
Thallium	ND		mg/Kg	1.0	0.14	04/05/23	04/05/23

Type:	Lab Control Sample	Lab ID:	QC1056487	Batch:	311135
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056487 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	49.26	50.00	mg/Kg	99%		80-120
Lead	49.79	50.00	mg/Kg	100%		80-120
Thallium	48.81	50.00	mg/Kg	98%		80-120

Type:	Matrix Spike	Lab ID:	QC1056488	Batch:	311135
Matrix (Source ID):	Soil (482773-010)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056488 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	52.10	5.686	48.54	mg/Kg	96%		75-125	0.97
Lead	52.82	5.696	48.54	mg/Kg	97%		75-125	0.97
Thallium	47.27	0.2892	48.54	mg/Kg	97%		75-125	0.97

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1056489	Batch:	311135
Matrix (Source ID):	Soil (482773-010)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056489 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	51.26	5.686	48.08	mg/Kg	95%		75-125	1	20	0.96
Lead	51.72	5.696	48.08	mg/Kg	96%		75-125	1	20	0.96
Thallium	46.43	0.2892	48.08	mg/Kg	96%		75-125	1	20	0.96

Type:	Blank	Lab ID:	QC1056495	Batch:	311136
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056495 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.28	04/05/23	04/05/23
Lead	ND		mg/Kg	0.50	0.068	04/05/23	04/05/23
Thallium	ND		mg/Kg	1.0	0.14	04/05/23	04/05/23

Type:	Lab Control Sample	Lab ID:	QC1056496	Batch:	311136
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056496 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	48.72	50.00	mg/Kg	97%		80-120
Lead	49.44	50.00	mg/Kg	99%		80-120
Thallium	48.94	50.00	mg/Kg	98%		80-120

Type:	Matrix Spike	Lab ID:	QC1056497	Batch:	311136
Matrix (Source ID):	Soil (482773-040)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056497 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	50.43	5.006	48.54	mg/Kg	94%		75-125	0.97
Lead	51.34	5.609	48.54	mg/Kg	94%		75-125	0.97
Thallium	45.42	0.2737	48.54	mg/Kg	93%		75-125	0.97

Type:	Matrix Spike Duplicate	Lab ID:	QC1056498	Batch:	311136
Matrix (Source ID):	Soil (482773-040)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056498 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	51.21	5.006	47.62	mg/Kg	97%		75-125	3	20	0.95
Lead	51.11	5.609	47.62	mg/Kg	96%		75-125	1	20	0.95
Thallium	45.65	0.2737	47.62	mg/Kg	95%		75-125	2	20	0.95

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056717	Batch: 311207
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056717 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.75	04/06/23	04/06/23
Lead	ND		mg/Kg	0.50	0.091	04/06/23	04/06/23
Thallium	ND		mg/Kg	1.0	0.47	04/06/23	04/06/23

Type: Lab Control Sample	Lab ID: QC1056718	Batch: 311207
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056718 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	53.06	50.00	mg/Kg	106%		80-120
Lead	50.15	50.00	mg/Kg	100%		80-120
Thallium	49.57	50.00	mg/Kg	99%		80-120

Type: Matrix Spike	Lab ID: QC1056719	Batch: 311207
Matrix (Source ID): Soil (482773-070)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056719 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	105.8	79.46	47.62	mg/Kg	55%	*	75-125	0.95
Lead	83.37	26.21	47.62	mg/Kg	120%		75-125	0.95
Thallium	47.54	ND	47.62	mg/Kg	100%		75-125	0.95

Type: Matrix Spike Duplicate	Lab ID: QC1056720	Batch: 311207
Matrix (Source ID): Soil (482773-070)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056720 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	119.6	79.46	47.62	mg/Kg	84%		75-125	12	20	0.95
Lead	86.80	26.21	47.62	mg/Kg	127%	*	75-125	4	20	0.95
Thallium	46.57	ND	47.62	mg/Kg	98%		75-125	2	20	0.95

Type: Blank	Lab ID: QC1059586	Batch: 312077
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1059586 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	0.091	04/19/23	04/19/23

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Batch QC

Type:	Lab Control Sample	Lab ID:	QC1059587	Batch:	312077
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1059587 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	95.89	100.0	mg/Kg	96%		80-120

Type:	Matrix Spike	Lab ID:	QC1059588	Batch:	312077
Matrix (Source ID):	Soil (482773-063)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1059588 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	101.5	8.157	98.04	mg/Kg	95%		75-125	0.98

Type:	Matrix Spike Duplicate	Lab ID:	QC1059589	Batch:	312077
Matrix (Source ID):	Soil (482773-063)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1059589 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	108.3	8.157	99.01	mg/Kg	101%		75-125	6	20	0.99

Type:	Blank	Lab ID:	QC1056532	Batch:	311152
Matrix:	Water	Method:	EPA 7470A	Prep Method:	METHOD

QC1056532 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.033	04/05/23	04/06/23

Type:	Lab Control Sample	Lab ID:	QC1056533	Batch:	311152
Matrix:	Water	Method:	EPA 7470A	Prep Method:	METHOD

QC1056533 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.992	5.000	ug/L	100%		80-120

Type:	Matrix Spike	Lab ID:	QC1056534	Batch:	311152
Matrix (Source ID):	Water (482710-001)	Method:	EPA 7470A	Prep Method:	METHOD

QC1056534 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.072	ND	5.000	ug/L	101%		75-125	1

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1056535	Batch:	311152
Matrix (Source ID):	Water (482710-001)	Method:	EPA 7470A	Prep Method:	METHOD

QC1056535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.980	ND	5.000	ug/L	100%		75-125	2	20	1

Type:	Blank	Lab ID:	QC1056684	Batch:	311199
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC1056684 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.0050	04/06/23	04/06/23

Type:	Lab Control Sample	Lab ID:	QC1056685	Batch:	311199
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC1056685 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8565	0.8333	mg/Kg	103%		80-120

Type:	Matrix Spike	Lab ID:	QC1056686	Batch:	311199
Matrix (Source ID):	Soil (482737-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1056686 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9054	ND	0.8621	mg/Kg	105%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1056687	Batch:	311199
Matrix (Source ID):	Soil (482737-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1056687 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8808	ND	0.8621	mg/Kg	102%		75-125	3	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1057353	Batch: 311399
Matrix: Water		

QC1057353 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.01	04/09/23	04/09/23
beta-BHC	ND		ug/L	0.05	0.008	04/09/23	04/09/23
gamma-BHC	ND		ug/L	0.05	0.01	04/09/23	04/09/23
delta-BHC	ND		ug/L	0.05	0.007	04/09/23	04/09/23
Heptachlor	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Aldrin	ND		ug/L	0.05	0.02	04/09/23	04/09/23
Heptachlor epoxide	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Endosulfan I	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Dieldrin	ND		ug/L	0.1	0.01	04/09/23	04/09/23
4,4'-DDE	ND		ug/L	0.1	0.01	04/09/23	04/09/23
Endrin	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endosulfan II	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endosulfan sulfate	ND		ug/L	0.1	0.02	04/09/23	04/09/23
4,4'-DDD	ND		ug/L	0.1	0.03	04/09/23	04/09/23
Endrin aldehyde	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endrin ketone	ND		ug/L	0.1	0.02	04/09/23	04/09/23
4,4'-DDT	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Methoxychlor	ND		ug/L	0.1	0.03	04/09/23	04/09/23
Toxaphene	ND		ug/L	2.0	0.3	04/09/23	04/09/23
Chlordane (Technical)	ND		ug/L	1.0	0.3	04/09/23	04/09/23
Surrogates				**Limits**			
TCMX	74%		%REC	14-120		04/09/23	04/09/23
Decachlorobiphenyl	87%		%REC	20-120		04/09/23	04/09/23
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.15	04/09/23	04/09/23
Aroclor-1221	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1232	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1242	ND		ug/L	0.50	0.17	04/09/23	04/09/23
Aroclor-1248	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1254	ND		ug/L	0.50	0.27	04/09/23	04/09/23
Aroclor-1260	ND		ug/L	0.50	0.20	04/09/23	04/09/23
Aroclor-1262	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1268	ND		ug/L	0.50	0.12	04/09/23	04/09/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	108%		%REC	18-126		04/09/23	04/09/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057354**	**Batch:**	**311399**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1057354 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5565	0.5000	ug/L	111%		53-120
beta-BHC	0.5279	0.5000	ug/L	106%		59-120
gamma-BHC	0.5396	0.5000	ug/L	108%		54-120
delta-BHC	0.5573	0.5000	ug/L	111%		58-120
Heptachlor	0.5233	0.5000	ug/L	105%		49-120
Aldrin	0.5189	0.5000	ug/L	104%		47-120
Heptachlor epoxide	0.5439	0.5000	ug/L	109%		53-120
Endosulfan I	0.5626	0.5000	ug/L	113%		56-120
Dieldrin	0.5143	0.5000	ug/L	103%		55-120
4,4'-DDE	0.5372	0.5000	ug/L	107%		55-120
Endrin	0.5499	0.5000	ug/L	110%		57-120
Endosulfan II	0.5249	0.5000	ug/L	105%		58-120
Endosulfan sulfate	0.4922	0.5000	ug/L	98%		56-120
4,4'-DDD	0.5456	0.5000	ug/L	109%		53-120
Endrin aldehyde	0.4481	0.5000	ug/L	90%		45-120
Endrin ketone	0.5069	0.5000	ug/L	101%		61-120
4,4'-DDT	0.4926	0.5000	ug/L	99%		58-120
Methoxychlor	0.4710	0.5000	ug/L	94%	#	54-120
Surrogates						
TCMX	0.3222	0.5000	ug/L	64%		14-120
Decachlorobiphenyl	0.4250	0.5000	ug/L	85%		20-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1057355	Batch:	311399
Matrix:	Water	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1057355 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4718	0.5000	ug/L	94%		53-120	16	20
beta-BHC	0.4526	0.5000	ug/L	91%		59-120	15	20
gamma-BHC	0.4623	0.5000	ug/L	92%		54-120	15	20
delta-BHC	0.4757	0.5000	ug/L	95%		58-120	16	20
Heptachlor	0.4492	0.5000	ug/L	90%		49-120	15	20
Aldrin	0.4433	0.5000	ug/L	89%		47-120	16	20
Heptachlor epoxide	0.4662	0.5000	ug/L	93%		53-120	15	20
Endosulfan I	0.4811	0.5000	ug/L	96%		56-120	16	20
Dieldrin	0.4369	0.5000	ug/L	87%		55-120	16	20
4,4'-DDE	0.4644	0.5000	ug/L	93%		55-120	15	20
Endrin	0.4580	0.5000	ug/L	92%		57-120	18	20
Endosulfan II	0.4441	0.5000	ug/L	89%		58-120	17	20
Endosulfan sulfate	0.4137	0.5000	ug/L	83%		56-120	17	20
4,4'-DDD	0.4617	0.5000	ug/L	92%		53-120	17	20
Endrin aldehyde	0.3819	0.5000	ug/L	76%		45-120	16	20
Endrin ketone	0.4264	0.5000	ug/L	85%		61-120	17	20
4,4'-DDT	0.4209	0.5000	ug/L	84%		58-120	16	20
Methoxychlor	0.3958	0.5000	ug/L	79%	#	54-120	17	20
Surrogates								
TCMX	0.2706	0.5000	ug/L	54%		14-120		
Decachlorobiphenyl	0.3564	0.5000	ug/L	71%		20-120		

Type:	Lab Control Sample	Lab ID:	QC1057356	Batch:	311399
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1057356 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.870	5.000	ug/L	97%		36-143
Aroclor-1260	5.395	5.000	ug/L	108%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.4773	0.5000	ug/L	95%		18-126

Type:	Lab Control Sample Duplicate	Lab ID:	QC1057357	Batch:	311399
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1057357 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	5.231	5.000	ug/L	105%		36-143	7	39
Aroclor-1260	5.799	5.000	ug/L	116%		31-153	7	20
Surrogates								
Decachlorobiphenyl (PCB)	0.5030	0.5000	ug/L	101%		18-126		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056568	Batch: 311163
Matrix: Soil		

QC1056568 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	4.9	1.2	04/05/23	04/06/23
beta-BHC	ND		ug/Kg	4.9	1.7	04/05/23	04/06/23
gamma-BHC	ND		ug/Kg	4.9	1.0	04/05/23	04/06/23
delta-BHC	ND		ug/Kg	4.9	1.3	04/05/23	04/06/23
Heptachlor	ND		ug/Kg	4.9	1.5	04/05/23	04/06/23
Aldrin	ND		ug/Kg	4.9	1.3	04/05/23	04/06/23
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	04/05/23	04/06/23
Endosulfan I	ND		ug/Kg	4.9	1.4	04/05/23	04/06/23
Dieldrin	ND		ug/Kg	4.9	1.4	04/05/23	04/06/23
4,4'-DDE	ND		ug/Kg	4.9	1.4	04/05/23	04/06/23
Endrin	ND		ug/Kg	4.9	1.5	04/05/23	04/06/23
Endosulfan II	ND		ug/Kg	4.9	1.5	04/05/23	04/06/23
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	04/05/23	04/06/23
4,4'-DDD	ND		ug/Kg	4.9	1.1	04/05/23	04/06/23
Endrin aldehyde	ND		ug/Kg	4.9	1.7	04/05/23	04/06/23
Endrin ketone	ND		ug/Kg	4.9	1.4	04/05/23	04/06/23
4,4'-DDT	ND		ug/Kg	4.9	1.4	04/05/23	04/06/23
Methoxychlor	ND		ug/Kg	9.9	5.0	04/05/23	04/06/23
Toxaphene	ND		ug/Kg	99	15	04/05/23	04/06/23
Chlordane (Technical)	ND		ug/Kg	49	11	04/05/23	04/06/23
Surrogates				**Limits**			
TCMX	100%		%REC	23-120		04/05/23	04/06/23
Decachlorobiphenyl	120%		%REC	24-120		04/05/23	04/06/23
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	49	14	04/05/23	04/06/23
Aroclor-1221	ND		ug/Kg	49	22	04/05/23	04/06/23
Aroclor-1232	ND		ug/Kg	49	18	04/05/23	04/06/23
Aroclor-1242	ND		ug/Kg	49	18	04/05/23	04/06/23
Aroclor-1248	ND		ug/Kg	49	21	04/05/23	04/06/23
Aroclor-1254	ND		ug/Kg	49	6.5	04/05/23	04/06/23
Aroclor-1260	ND		ug/Kg	49	24	04/05/23	04/06/23
Aroclor-1262	ND		ug/Kg	49	16	04/05/23	04/06/23
Aroclor-1268	ND		ug/Kg	49	13	04/05/23	04/06/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	105%		%REC	19-121		04/05/23	04/06/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056569**	**Batch:**	**311163**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056569 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	57.76	49.90	ug/Kg	116%		22-129
beta-BHC	54.57	49.90	ug/Kg	109%		28-125
gamma-BHC	56.47	49.90	ug/Kg	113%		22-128
delta-BHC	56.98	49.90	ug/Kg	114%		24-131
Heptachlor	56.75	49.90	ug/Kg	114%		18-124
Aldrin	52.26	49.90	ug/Kg	105%		23-120
Heptachlor epoxide	58.44	49.90	ug/Kg	117%		26-120
Endosulfan I	60.84	49.90	ug/Kg	122%		25-126
Dieldrin	59.10	49.90	ug/Kg	118%		23-124
4,4'-DDE	60.07	49.90	ug/Kg	120%		28-121
Endrin	60.52	49.90	ug/Kg	121%		25-127
Endosulfan II	60.14	49.90	ug/Kg	121%		29-121
Endosulfan sulfate	54.69	49.90	ug/Kg	110%		30-121
4,4'-DDD	61.45	49.90	ug/Kg	123%	*	26-120
Endrin aldehyde	27.83	49.90	ug/Kg	56%		10-120
Endrin ketone	59.14	49.90	ug/Kg	119%		28-125
4,4'-DDT	57.03	49.90	ug/Kg	114%		22-125
Methoxychlor	57.43	49.90	ug/Kg	115%		28-130
Surrogates						
TCMX	49.50	49.90	ug/Kg	99%		23-120
Decachlorobiphenyl	55.94	49.90	ug/Kg	112%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056643**	**Batch:**	**311163**
Matrix (Source ID):	**Soil (482637-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056643 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	52.65	17.08	49.60	ug/Kg	72%		46-120	5
beta-BHC	99.65	ND	49.60	ug/Kg	201%	*	41-120	5
gamma-BHC	80.44	ND	49.60	ug/Kg	162%	*	41-120	5
delta-BHC	56.94	ND	49.60	ug/Kg	115%		38-123	5
Heptachlor	59.18	ND	49.60	ug/Kg	119%		39-120	5
Aldrin	78.69	15.38	49.60	ug/Kg	128%	*	34-120	5
Heptachlor epoxide	90.18	ND	49.60	ug/Kg	182%	*	43-120	5
Endosulfan I	86.16	18.76	49.60	ug/Kg	136%	*	45-120	5
Dieldrin	84.66	ND	49.60	ug/Kg	171%	*	45-120	5
4,4'-DDE	68.47	16.04	49.60	ug/Kg	106%		34-120	5
Endrin	71.96	ND	49.60	ug/Kg	145%	*	40-120	5
Endosulfan II	63.41	ND	49.60	ug/Kg	128%	*	41-120	5
Endosulfan sulfate	196.0	ND	49.60	ug/Kg	395%	*	42-120	5
4,4'-DDD	71.76	ND	49.60	ug/Kg	145%	*	41-120	5
Endrin aldehyde	55.52	8.543	49.60	ug/Kg	95%		30-120	5
Endrin ketone	89.31	10.97	49.60	ug/Kg	158%	*	45-120	5
4,4'-DDT	67.24	11.33	49.60	ug/Kg	113%		35-127	5
Methoxychlor	78.39	ND	49.60	ug/Kg	158%	*	42-136	5
Surrogates								
TCMX	50.10		49.60	ug/Kg	101%		23-120	5
Decachlorobiphenyl	67.30		49.60	ug/Kg	136%	*	24-120	5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056644**	**Batch:**	**311163**
Matrix (Source ID):	**Soil (482637-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056644 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	51.69	17.08	49.07	ug/Kg	71%		46-120	1	30	4.9
beta-BHC	95.28	ND	49.07	ug/Kg	194%	*	41-120	3	30	4.9
gamma-BHC	73.63	ND	49.07	ug/Kg	150%	*	41-120	8	30	4.9
delta-BHC	54.45	ND	49.07	ug/Kg	111%		38-123	3	30	4.9
Heptachlor	55.88	ND	49.07	ug/Kg	114%		39-120	5	30	4.9
Aldrin	71.57	15.38	49.07	ug/Kg	115%		34-120	9	30	4.9
Heptachlor epoxide	87.04	ND	49.07	ug/Kg	177%	*	43-120	2	30	4.9
Endosulfan I	82.23	18.76	49.07	ug/Kg	129%	*	45-120	4	30	4.9
Dieldrin	97.72	ND	49.07	ug/Kg	199%	*	45-120	15	30	4.9
4,4'-DDE	57.36	16.04	49.07	ug/Kg	84%		34-120	17	30	4.9
Endrin	64.57	ND	49.07	ug/Kg	132%	*	40-120	10	30	4.9
Endosulfan II	61.31	ND	49.07	ug/Kg	125%	*	41-120	2	30	4.9
Endosulfan sulfate	176.3	ND	49.07	ug/Kg	359%	*	42-120	9	30	4.9
4,4'-DDD	71.66	ND	49.07	ug/Kg	146%	*	41-120	1	30	4.9
Endrin aldehyde	48.00	8.543	49.07	ug/Kg	80%		30-120	14	30	4.9
Endrin ketone	86.41	10.97	49.07	ug/Kg	154%	*	45-120	2	30	4.9
4,4'-DDT	63.03	11.33	49.07	ug/Kg	105%		35-127	6	30	4.9
Methoxychlor	132.8	ND	49.07	ug/Kg	271%	*	42-136	53*	30	4.9
Surrogates										
TCMX	48.49		49.07	ug/Kg	99%		23-120			4.9
Decachlorobiphenyl	78.63		49.07	ug/Kg	160%	*	24-120			4.9

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056645**	**Batch:**	**311163**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056645 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	467.1	496.5	ug/Kg	94%		14-150
Aroclor-1260	439.1	496.5	ug/Kg	88%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	44.71	49.65	ug/Kg	90%		19-121

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056646**	**Batch:**	**311163**
Matrix (Source ID):	**Soil (482726-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056646 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	469.8	ND	502.5	ug/Kg	93%		42-127	1
Aroclor-1260	445.7	ND	502.5	ug/Kg	89%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	47.91		50.25	ug/Kg	95%		19-121	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056647**	**Batch:**	**311163**
Matrix (Source ID):	**Soil (482726-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056647 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	485.7	ND	502.5	ug/Kg	97%		42-127	3	30	1
Aroclor-1260	477.6	ND	502.5	ug/Kg	95%		38-130	7	30	1
Surrogates										
Decachlorobiphenyl (PCB)	49.72		50.25	ug/Kg	99%		19-121			1

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Batch QC

Type: Blank	Lab ID: QC1056768	Batch: 311222
Matrix: Soil		

QC1056768 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.0	1.2	04/06/23	04/06/23
beta-BHC	ND		ug/Kg	5.0	1.7	04/06/23	04/06/23
gamma-BHC	ND		ug/Kg	5.0	1.0	04/06/23	04/06/23
delta-BHC	ND		ug/Kg	5.0	1.3	04/06/23	04/06/23
Heptachlor	ND		ug/Kg	5.0	1.5	04/06/23	04/06/23
Aldrin	ND		ug/Kg	5.0	1.3	04/06/23	04/06/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	04/06/23	04/06/23
Endosulfan I	ND		ug/Kg	5.0	1.4	04/06/23	04/06/23
Dieldrin	ND		ug/Kg	5.0	1.4	04/06/23	04/06/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	04/06/23	04/06/23
Endrin	ND		ug/Kg	5.0	1.6	04/06/23	04/06/23
Endosulfan II	ND		ug/Kg	5.0	1.6	04/06/23	04/06/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	04/06/23	04/06/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	04/06/23	04/06/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	04/06/23	04/06/23
Endrin ketone	ND		ug/Kg	5.0	1.4	04/06/23	04/06/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	04/06/23	04/06/23
Methoxychlor	ND		ug/Kg	9.9	5.0	04/06/23	04/06/23
Toxaphene	ND		ug/Kg	99	15	04/06/23	04/06/23
Chlordane (Technical)	ND		ug/Kg	50	11	04/06/23	04/06/23
Surrogates				**Limits**			
TCMX	79%		%REC	23-120		04/06/23	04/06/23
Decachlorobiphenyl	74%		%REC	24-120		04/06/23	04/06/23
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	50	14	04/06/23	04/07/23
Aroclor-1221	ND		ug/Kg	50	23	04/06/23	04/07/23
Aroclor-1232	ND		ug/Kg	50	18	04/06/23	04/07/23
Aroclor-1242	ND		ug/Kg	50	18	04/06/23	04/07/23
Aroclor-1248	ND		ug/Kg	50	21	04/06/23	04/07/23
Aroclor-1254	ND		ug/Kg	50	6.5	04/06/23	04/07/23
Aroclor-1260	ND		ug/Kg	50	24	04/06/23	04/07/23
Aroclor-1262	ND		ug/Kg	50	16	04/06/23	04/07/23
Aroclor-1268	ND		ug/Kg	50	13	04/06/23	04/07/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	90%		%REC	19-121		04/06/23	04/07/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056769**	**Batch:**	**311222**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056769 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	42.02	49.90	ug/Kg	84%		22-129
beta-BHC	43.09	49.90	ug/Kg	86%		28-125
gamma-BHC	41.54	49.90	ug/Kg	83%		22-128
delta-BHC	42.64	49.90	ug/Kg	85%		24-131
Heptachlor	41.66	49.90	ug/Kg	83%		18-124
Aldrin	35.48	49.90	ug/Kg	71%		23-120
Heptachlor epoxide	40.59	49.90	ug/Kg	81%		26-120
Endosulfan I	40.40	49.90	ug/Kg	81%		25-126
Dieldrin	39.03	49.90	ug/Kg	78%		23-124
4,4'-DDE	39.53	49.90	ug/Kg	79%		28-121
Endrin	44.18	49.90	ug/Kg	89%		25-127
Endosulfan II	39.28	49.90	ug/Kg	79%		29-121
Endosulfan sulfate	38.88	49.90	ug/Kg	78%		30-121
4,4'-DDD	40.76	49.90	ug/Kg	82%		26-120
Endrin aldehyde	22.30	49.90	ug/Kg	45%		10-120
Endrin ketone	39.26	49.90	ug/Kg	79%		28-125
4,4'-DDT	40.08	49.90	ug/Kg	80%		22-125
Methoxychlor	42.77	49.90	ug/Kg	86%		28-130
Surrogates						
TCMX	37.60	49.90	ug/Kg	75%		23-120
Decachlorobiphenyl	34.91	49.90	ug/Kg	70%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056770**	**Batch:**	**311222**
Matrix (Source ID):	**Soil (482773-056)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056770 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	39.55	ND	49.46	ug/Kg	80%		46-120	0.99
beta-BHC	41.36	ND	49.46	ug/Kg	84%		41-120	0.99
gamma-BHC	39.23	ND	49.46	ug/Kg	79%		41-120	0.99
delta-BHC	40.44	ND	49.46	ug/Kg	82%		38-123	0.99
Heptachlor	39.10	ND	49.46	ug/Kg	79%		39-120	0.99
Aldrin	33.63	ND	49.46	ug/Kg	68%		34-120	0.99
Heptachlor epoxide	38.03	ND	49.46	ug/Kg	77%		43-120	0.99
Endosulfan I	38.35	ND	49.46	ug/Kg	78%		45-120	0.99
Dieldrin	36.69	ND	49.46	ug/Kg	74%		45-120	0.99
4,4'-DDE	37.70	ND	49.46	ug/Kg	76%		34-120	0.99
Endrin	42.16	ND	49.46	ug/Kg	85%		40-120	0.99
Endosulfan II	37.61	ND	49.46	ug/Kg	76%		41-120	0.99
Endosulfan sulfate	37.24	ND	49.46	ug/Kg	75%		42-120	0.99
4,4'-DDD	39.72	ND	49.46	ug/Kg	80%		41-120	0.99
Endrin aldehyde	30.19	ND	49.46	ug/Kg	61%		30-120	0.99
Endrin ketone	37.31	ND	49.46	ug/Kg	75%		45-120	0.99
4,4'-DDT	39.37	ND	49.46	ug/Kg	80%		35-127	0.99
Methoxychlor	41.97	ND	49.46	ug/Kg	85%		42-136	0.99
Surrogates								
TCMX	34.88		49.46	ug/Kg	71%		23-120	0.99
Decachlorobiphenyl	32.77		49.46	ug/Kg	66%		24-120	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056771**	**Batch:**	**311222**
Matrix (Source ID):	**Soil (482773-056)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056771 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	37.07	ND	49.50	ug/Kg	75%		46-120	7	30	0.99
beta-BHC	38.72	ND	49.50	ug/Kg	78%		41-120	7	30	0.99
gamma-BHC	36.93	ND	49.50	ug/Kg	75%		41-120	6	30	0.99
delta-BHC	38.27	ND	49.50	ug/Kg	77%		38-123	6	30	0.99
Heptachlor	37.20	ND	49.50	ug/Kg	75%		39-120	5	30	0.99
Aldrin	32.22	ND	49.50	ug/Kg	65%		34-120	4	30	0.99
Heptachlor epoxide	36.47	ND	49.50	ug/Kg	74%		43-120	4	30	0.99
Endosulfan I	36.84	ND	49.50	ug/Kg	74%		45-120	4	30	0.99
Dieldrin	35.42	ND	49.50	ug/Kg	72%		45-120	4	30	0.99
4,4'-DDE	36.40	ND	49.50	ug/Kg	74%		34-120	4	30	0.99
Endrin	40.38	ND	49.50	ug/Kg	82%		40-120	4	30	0.99
Endosulfan II	36.53	ND	49.50	ug/Kg	74%		41-120	3	30	0.99
Endosulfan sulfate	35.64	ND	49.50	ug/Kg	72%		42-120	4	30	0.99
4,4'-DDD	38.52	ND	49.50	ug/Kg	78%		41-120	3	30	0.99
Endrin aldehyde	29.94	ND	49.50	ug/Kg	60%		30-120	1	30	0.99
Endrin ketone	36.33	ND	49.50	ug/Kg	73%		45-120	3	30	0.99
4,4'-DDT	38.25	ND	49.50	ug/Kg	77%		35-127	3	30	0.99
Methoxychlor	41.09	ND	49.50	ug/Kg	83%		42-136	2	30	0.99
Surrogates										
TCMX	32.25		49.50	ug/Kg	65%		23-120			0.99
Decachlorobiphenyl	32.20		49.50	ug/Kg	65%		24-120			0.99

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056772**	**Batch:**	**311222**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056772 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	408.1	496.0	ug/Kg	82%		14-150
Aroclor-1260	448.7	496.0	ug/Kg	90%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	44.34	49.60	ug/Kg	89%		19-121

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056773**	**Batch:**	**311222**
Matrix (Source ID):	**Soil (482843-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056773 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	451.4	ND	493.6	ug/Kg	91%		42-127	0.99
Aroclor-1260	494.6	ND	493.6	ug/Kg	100%		38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	45.16		49.36	ug/Kg	91%		19-121	0.99

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056774**	**Batch:**	**311222**
Matrix (Source ID):	**Soil (482843-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056774 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	413.6	ND	495.0	ug/Kg	84%		42-127	9	30	0.99
Aroclor-1260	451.4	ND	495.0	ug/Kg	91%		38-130	9	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	36.77		49.50	ug/Kg	74%		19-121			0.99

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056811	Batch: 311252
Matrix: Soil		

QC1056811 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.0	1.2	04/06/23	04/07/23
beta-BHC	ND		ug/Kg	5.0	1.7	04/06/23	04/07/23
gamma-BHC	ND		ug/Kg	5.0	1.0	04/06/23	04/07/23
delta-BHC	ND		ug/Kg	5.0	1.3	04/06/23	04/07/23
Heptachlor	ND		ug/Kg	5.0	1.5	04/06/23	04/07/23
Aldrin	ND		ug/Kg	5.0	1.3	04/06/23	04/07/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	04/06/23	04/07/23
Endosulfan I	ND		ug/Kg	5.0	1.4	04/06/23	04/07/23
Dieldrin	ND		ug/Kg	5.0	1.4	04/06/23	04/07/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	04/06/23	04/07/23
Endrin	ND		ug/Kg	5.0	1.6	04/06/23	04/07/23
Endosulfan II	ND		ug/Kg	5.0	1.6	04/06/23	04/07/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	04/06/23	04/07/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	04/06/23	04/07/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	04/06/23	04/07/23
Endrin ketone	ND		ug/Kg	5.0	1.4	04/06/23	04/07/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	04/06/23	04/07/23
Methoxychlor	ND		ug/Kg	9.9	5.0	04/06/23	04/07/23
Toxaphene	ND		ug/Kg	99	15	04/06/23	04/07/23
Chlordane (Technical)	ND		ug/Kg	50	11	04/06/23	04/07/23
Surrogates				**Limits**			
TCMX	91%		%REC	23-120		04/06/23	04/07/23
Decachlorobiphenyl	109%		%REC	24-120		04/06/23	04/07/23
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	50	13	04/06/23	04/07/23
Aroclor-1221	ND		ug/Kg	50	11	04/06/23	04/07/23
Aroclor-1232	ND		ug/Kg	50	11	04/06/23	04/07/23
Aroclor-1242	ND		ug/Kg	50	16	04/06/23	04/07/23
Aroclor-1248	ND		ug/Kg	50	17	04/06/23	04/07/23
Aroclor-1254	ND		ug/Kg	50	15	04/06/23	04/07/23
Aroclor-1260	ND		ug/Kg	50	23	04/06/23	04/07/23
Aroclor-1262	ND		ug/Kg	50	13	04/06/23	04/07/23
Aroclor-1268	ND		ug/Kg	50	14	04/06/23	04/07/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	89%		%REC	19-121		04/06/23	04/07/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056812**	**Batch:**	**311252**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056812 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	53.64	49.70	ug/Kg	108%		22-129
beta-BHC	54.20	49.70	ug/Kg	109%		28-125
gamma-BHC	53.22	49.70	ug/Kg	107%		22-128
delta-BHC	54.44	49.70	ug/Kg	110%		24-131
Heptachlor	57.35	49.70	ug/Kg	115%		18-124
Aldrin	48.51	49.70	ug/Kg	98%		23-120
Heptachlor epoxide	56.72	49.70	ug/Kg	114%		26-120
Endosulfan I	57.07	49.70	ug/Kg	115%		25-126
Dieldrin	55.27	49.70	ug/Kg	111%		23-124
4,4'-DDE	59.81	49.70	ug/Kg	120%		28-121
Endrin	60.17	49.70	ug/Kg	121%		25-127
Endosulfan II	56.12	49.70	ug/Kg	113%		29-121
Endosulfan sulfate	56.11	49.70	ug/Kg	113%		30-121
4,4'-DDD	59.28	49.70	ug/Kg	119%		26-120
Endrin aldehyde	36.23	49.70	ug/Kg	73%		10-120
Endrin ketone	55.09	49.70	ug/Kg	111%		28-125
4,4'-DDT	60.10	49.70	ug/Kg	121%		22-125
Methoxychlor	65.25	49.70	ug/Kg	131%	*	28-130
Surrogates						
TCMX	45.30	49.70	ug/Kg	91%		23-120
Decachlorobiphenyl	54.94	49.70	ug/Kg	111%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056916**	**Batch:**	**311252**
Matrix (Source ID):	**Soil (482773-029)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056916 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	49.66	ND	50.00	ug/Kg	99%		46-120	1
beta-BHC	50.01	ND	50.00	ug/Kg	100%		41-120	1
gamma-BHC	48.90	ND	50.00	ug/Kg	98%		41-120	1
delta-BHC	50.29	ND	50.00	ug/Kg	101%		38-123	1
Heptachlor	54.85	ND	50.00	ug/Kg	110%		39-120	1
Aldrin	49.58	ND	50.00	ug/Kg	99%		34-120	1
Heptachlor epoxide	54.47	ND	50.00	ug/Kg	109%		43-120	1
Endosulfan I	54.47	ND	50.00	ug/Kg	109%		45-120	1
Dieldrin	52.48	ND	50.00	ug/Kg	105%		45-120	1
4,4'-DDE	55.83	ND	50.00	ug/Kg	112%		34-120	1
Endrin	59.94	ND	50.00	ug/Kg	120%		40-120	1
Endosulfan II	52.28	ND	50.00	ug/Kg	105%		41-120	1
Endosulfan sulfate	51.85	ND	50.00	ug/Kg	104%		42-120	1
4,4'-DDD	56.59	ND	50.00	ug/Kg	113%		41-120	1
Endrin aldehyde	43.01	ND	50.00	ug/Kg	86%		30-120	1
Endrin ketone	50.75	ND	50.00	ug/Kg	102%		45-120	1
4,4'-DDT	59.90	ND	50.00	ug/Kg	120%		35-127	1
Methoxychlor	62.39	ND	50.00	ug/Kg	125%		42-136	1
Surrogates								
TCMX	42.80		50.00	ug/Kg	86%		23-120	1
Decachlorobiphenyl	51.96		50.00	ug/Kg	104%		24-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056917**	**Batch:**	**311252**
Matrix (Source ID):	**Soil (482773-029)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056917 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	53.36	ND	51.02	ug/Kg	105%		46-120	5	30	1
beta-BHC	53.69	ND	51.02	ug/Kg	105%		41-120	5	30	1
gamma-BHC	52.37	ND	51.02	ug/Kg	103%		41-120	5	30	1
delta-BHC	53.61	ND	51.02	ug/Kg	105%		38-123	4	30	1
Heptachlor	58.66	ND	51.02	ug/Kg	115%		39-120	5	30	1
Aldrin	52.36	ND	51.02	ug/Kg	103%		34-120	3	30	1
Heptachlor epoxide	57.03	ND	51.02	ug/Kg	112%		43-120	3	30	1
Endosulfan I	58.19	ND	51.02	ug/Kg	114%		45-120	5	30	1
Dieldrin	55.70	ND	51.02	ug/Kg	109%		45-120	4	30	1
4,4'-DDE	59.05	ND	51.02	ug/Kg	116%		34-120	4	30	1
Endrin	61.11	ND	51.02	ug/Kg	120%		40-120	0	30	1
Endosulfan II	55.73	ND	51.02	ug/Kg	109%		41-120	4	30	1
Endosulfan sulfate	54.34	ND	51.02	ug/Kg	107%		42-120	3	30	1
4,4'-DDD	59.67	ND	51.02	ug/Kg	117%		41-120	3	30	1
Endrin aldehyde	44.16	ND	51.02	ug/Kg	87%		30-120	1	30	1
Endrin ketone	54.31	ND	51.02	ug/Kg	106%		45-120	5	30	1
4,4'-DDT	63.10	ND	51.02	ug/Kg	124%		35-127	3	30	1
Methoxychlor	66.48	ND	51.02	ug/Kg	130%		42-136	4	30	1
Surrogates										
TCMX	45.79		51.02	ug/Kg	90%		23-120			1
Decachlorobiphenyl	55.26		51.02	ug/Kg	108%		24-120			1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056918**	**Batch:**	**311252**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056918 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	493.6	494.6	ug/Kg	100%		14-150
Aroclor-1260	485.5	494.6	ug/Kg	98%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	44.58	49.46	ug/Kg	90%		19-121

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056919**	**Batch:**	**311252**
Matrix (Source ID):	**Soil (482773-049)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056919 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	441.4	ND	505.1	ug/Kg	87%		42-127	1
Aroclor-1260	436.6	ND	505.1	ug/Kg	86%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	39.65		50.51	ug/Kg	79%		19-121	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056920**	**Batch:**	**311252**
Matrix (Source ID):	**Soil (482773-049)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056920 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	451.8	ND	495.0	ug/Kg	91%		42-127	4	30	0.99
Aroclor-1260	450.1	ND	495.0	ug/Kg	91%		38-130	5	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	41.59		49.50	ug/Kg	84%		19-121			0.99

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1057390**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057390 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.36	04/09/23	04/10/23
2-Methylnaphthalene	ND		ug/L	0.50	0.37	04/09/23	04/10/23
Naphthalene	ND		ug/L	0.50	0.37	04/09/23	04/10/23
Acenaphthylene	ND		ug/L	0.50	0.35	04/09/23	04/10/23
Acenaphthene	ND		ug/L	0.50	0.33	04/09/23	04/10/23
Fluorene	ND		ug/L	0.50	0.35	04/09/23	04/10/23
Phenanthrene	ND		ug/L	0.50	0.27	04/09/23	04/10/23
Anthracene	ND		ug/L	0.50	0.26	04/09/23	04/10/23
Fluoranthene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Pyrene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(a)anthracene	ND		ug/L	0.50	0.27	04/09/23	04/10/23
Chrysene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(b)fluoranthene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(k)fluoranthene	ND		ug/L	0.50	0.33	04/09/23	04/10/23
Benzo(a)pyrene	ND		ug/L	0.50	0.29	04/09/23	04/10/23
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.29	04/09/23	04/10/23
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.28	04/09/23	04/10/23
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.28	04/09/23	04/10/23
Surrogates				**Limits**			
Nitrobenzene-d5	51%		%REC	16-125		04/09/23	04/10/23
2-Fluorobiphenyl	47%		%REC	17-120		04/09/23	04/10/23
Terphenyl-d14	68%		%REC	39-123		04/09/23	04/10/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057392**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057392 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	2.242	4.000	ug/L	56%		23-120
2-Methylnaphthalene	2.287	4.000	ug/L	57%		33-120
Naphthalene	2.353	4.000	ug/L	59%		38-120
Acenaphthylene	2.551	4.000	ug/L	64%		37-120
Acenaphthene	2.487	4.000	ug/L	62%		39-120
Fluorene	2.573	4.000	ug/L	64%		43-120
Phenanthrene	2.609	4.000	ug/L	65%		42-120
Anthracene	2.647	4.000	ug/L	66%		42-120
Fluoranthene	2.693	4.000	ug/L	67%		48-120
Pyrene	2.731	4.000	ug/L	68%		44-120
Benzo(a)anthracene	2.750	4.000	ug/L	69%		51-126
Chrysene	2.883	4.000	ug/L	72%		47-120
Benzo(b)fluoranthene	2.872	4.000	ug/L	72%		44-127
Benzo(k)fluoranthene	2.918	4.000	ug/L	73%		43-127
Benzo(a)pyrene	2.835	4.000	ug/L	71%		29-124
Indeno(1,2,3-cd)pyrene	3.156	4.000	ug/L	79%		44-127
Dibenz(a,h)anthracene	3.109	4.000	ug/L	78%		55-120
Benzo(g,h,i)perylene	3.132	4.000	ug/L	78%		46-120
Surrogates						
Nitrobenzene-d5	2.698	4.000	ug/L	67%		16-125
2-Fluorobiphenyl	2.474	4.000	ug/L	62%		17-120
Terphenyl-d14	2.719	4.000	ug/L	68%		39-123

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1057393**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057393 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	2.440	4.000	ug/L	61%		23-120	8	20
2-Methylnaphthalene	2.497	4.000	ug/L	62%		33-120	9	20
Naphthalene	2.516	4.000	ug/L	63%		38-120	7	20
Acenaphthylene	2.745	4.000	ug/L	69%		37-120	7	20
Acenaphthene	2.644	4.000	ug/L	66%		39-120	6	20
Fluorene	2.765	4.000	ug/L	69%		43-120	7	20
Phenanthrene	2.815	4.000	ug/L	70%		42-120	8	20
Anthracene	2.869	4.000	ug/L	72%		42-120	8	20
Fluoranthene	2.910	4.000	ug/L	73%		48-120	8	20
Pyrene	2.925	4.000	ug/L	73%		44-120	7	20
Benzo(a)anthracene	2.984	4.000	ug/L	75%		51-126	8	20
Chrysene	3.131	4.000	ug/L	78%		47-120	8	20
Benzo(b)fluoranthene	3.028	4.000	ug/L	76%		44-127	5	20
Benzo(k)fluoranthene	3.049	4.000	ug/L	76%		43-127	4	20
Benzo(a)pyrene	2.981	4.000	ug/L	75%		29-124	5	20
Indeno(1,2,3-cd)pyrene	3.338	4.000	ug/L	83%		44-127	6	20
Dibenz(a,h)anthracene	3.300	4.000	ug/L	83%		55-120	6	20
Benzo(g,h,i)perylene	3.292	4.000	ug/L	82%		46-120	5	20
Surrogates								
Nitrobenzene-d5	2.953	4.000	ug/L	74%		16-125		
2-Fluorobiphenyl	2.664	4.000	ug/L	67%		17-120		
Terphenyl-d14	3.010	4.000	ug/L	75%		39-123		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056816	Batch: 311212
Matrix: Soil	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1056816 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	3.0	04/06/23	04/06/23
2-Methylnaphthalene	ND		ug/Kg	10	2.9	04/06/23	04/06/23
Naphthalene	ND		ug/Kg	10	3.1	04/06/23	04/06/23
Acenaphthylene	ND		ug/Kg	10	2.5	04/06/23	04/06/23
Acenaphthene	ND		ug/Kg	10	2.7	04/06/23	04/06/23
Fluorene	ND		ug/Kg	10	2.6	04/06/23	04/06/23
Phenanthrene	ND		ug/Kg	10	2.3	04/06/23	04/06/23
Anthracene	ND		ug/Kg	10	1.8	04/06/23	04/06/23
Fluoranthene	ND		ug/Kg	10	0.99	04/06/23	04/06/23
Pyrene	ND		ug/Kg	10	1.2	04/06/23	04/06/23
Benzo(a)anthracene	ND		ug/Kg	10	0.94	04/06/23	04/06/23
Chrysene	ND		ug/Kg	10	1.2	04/06/23	04/06/23
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	04/06/23	04/06/23
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	04/06/23	04/06/23
Benzo(a)pyrene	ND		ug/Kg	10	2.0	04/06/23	04/06/23
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	04/06/23	04/06/23
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	04/06/23	04/06/23
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	04/06/23	04/06/23
Surrogates				**Limits**			
Nitrobenzene-d5	78%		%REC	27-125		04/06/23	04/06/23
2-Fluorobiphenyl	73%		%REC	30-120		04/06/23	04/06/23
Terphenyl-d14	80%		%REC	33-155		04/06/23	04/06/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056817**	**Batch:**	**311212**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1056817 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	150.6	199.0	ug/Kg	76%		28-130
2-Methylnaphthalene	157.5	199.0	ug/Kg	79%		33-130
Naphthalene	154.6	199.0	ug/Kg	78%		25-130
Acenaphthylene	164.5	199.0	ug/Kg	83%		28-130
Acenaphthene	150.1	199.0	ug/Kg	75%		32-130
Fluorene	154.0	199.0	ug/Kg	77%		35-130
Phenanthrene	155.7	199.0	ug/Kg	78%		35-132
Anthracene	161.6	199.0	ug/Kg	81%		34-136
Fluoranthene	157.7	199.0	ug/Kg	79%		34-139
Pyrene	158.4	199.0	ug/Kg	80%		35-134
Benzo(a)anthracene	162.7	199.0	ug/Kg	82%		30-132
Chrysene	166.1	199.0	ug/Kg	83%		29-130
Benzo(b)fluoranthene	168.4	199.0	ug/Kg	85%		32-137
Benzo(k)fluoranthene	162.1	199.0	ug/Kg	81%		32-130
Benzo(a)pyrene	166.7	199.0	ug/Kg	84%		10-138
Indeno(1,2,3-cd)pyrene	179.0	199.0	ug/Kg	90%		34-132
Dibenz(a,h)anthracene	176.1	199.0	ug/Kg	88%		32-130
Benzo(g,h,i)perylene	172.2	199.0	ug/Kg	87%		27-130
Surrogates						
Nitrobenzene-d5	172.2	199.0	ug/Kg	87%		27-125
2-Fluorobiphenyl	161.5	199.0	ug/Kg	81%		30-120
Terphenyl-d14	167.0	199.0	ug/Kg	84%		33-155

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056818**	**Batch:**	**311212**
Matrix (Source ID):	**Soil (482773-016)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1056818 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	148.1	ND	199.0	ug/Kg	74%		25-130	1
2-Methylnaphthalene	154.2	ND	199.0	ug/Kg	77%		32-133	1
Naphthalene	149.7	ND	199.0	ug/Kg	75%		33-130	1
Acenaphthylene	160.2	ND	199.0	ug/Kg	81%		14-157	1
Acenaphthene	145.4	ND	199.0	ug/Kg	73%		28-134	1
Fluorene	150.1	ND	199.0	ug/Kg	75%		27-140	1
Phenanthrene	148.7	ND	199.0	ug/Kg	75%		29-147	1
Anthracene	154.0	ND	199.0	ug/Kg	77%		24-156	1
Fluoranthene	151.5	ND	199.0	ug/Kg	76%		28-160	1
Pyrene	152.3	ND	199.0	ug/Kg	77%		26-153	1
Benzo(a)anthracene	158.6	ND	199.0	ug/Kg	80%		26-174	1
Chrysene	159.9	ND	199.0	ug/Kg	80%		40-139	1
Benzo(b)fluoranthene	156.5	ND	199.0	ug/Kg	79%		36-164	1
Benzo(k)fluoranthene	158.1	ND	199.0	ug/Kg	79%		36-161	1
Benzo(a)pyrene	159.4	ND	199.0	ug/Kg	80%		18-173	1
Indeno(1,2,3-cd)pyrene	173.6	ND	199.0	ug/Kg	87%		26-154	1
Dibenz(a,h)anthracene	171.1	ND	199.0	ug/Kg	86%		38-132	1
Benzo(g,h,i)perylene	166.3	ND	199.0	ug/Kg	84%		36-130	1
Surrogates								
Nitrobenzene-d5	167.7		199.0	ug/Kg	84%		27-125	1
2-Fluorobiphenyl	161.2		199.0	ug/Kg	81%		30-120	1
Terphenyl-d14	161.8		199.0	ug/Kg	81%		33-155	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056819**	**Batch:**	**311212**
Matrix (Source ID):	**Soil (482773-016)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1056819 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	164.7	ND	200.0	ug/Kg	82%		25-130	10	35	1
2-Methylnaphthalene	173.6	ND	200.0	ug/Kg	87%		32-133	11	35	1
Naphthalene	169.1	ND	200.0	ug/Kg	85%		33-130	12	35	1
Acenaphthylene	177.7	ND	200.0	ug/Kg	89%		14-157	10	35	1
Acenaphthene	157.4	ND	200.0	ug/Kg	79%		28-134	7	35	1
Fluorene	160.3	ND	200.0	ug/Kg	80%		27-140	6	35	1
Phenanthrene	147.7	ND	200.0	ug/Kg	74%		29-147	1	35	1
Anthracene	151.8	ND	200.0	ug/Kg	76%		24-156	2	35	1
Fluoranthene	147.7	ND	200.0	ug/Kg	74%		28-160	3	35	1
Pyrene	147.1	ND	200.0	ug/Kg	74%		26-153	4	35	1
Benzo(a)anthracene	150.0	ND	200.0	ug/Kg	75%		26-174	6	35	1
Chrysene	154.2	ND	200.0	ug/Kg	77%		40-139	4	35	1
Benzo(b)fluoranthene	153.1	ND	200.0	ug/Kg	77%		36-164	3	35	1
Benzo(k)fluoranthene	146.1	ND	200.0	ug/Kg	73%		36-161	8	35	1
Benzo(a)pyrene	152.6	ND	200.0	ug/Kg	76%		18-173	5	35	1
Indeno(1,2,3-cd)pyrene	164.9	ND	200.0	ug/Kg	82%		26-154	6	35	1
Dibenz(a,h)anthracene	162.6	ND	200.0	ug/Kg	81%		38-132	6	35	1
Benzo(g,h,i)perylene	158.7	ND	200.0	ug/Kg	79%		36-130	5	35	1
Surrogates										
Nitrobenzene-d5	182.7		200.0	ug/Kg	91%		27-125			1
2-Fluorobiphenyl	174.4		200.0	ug/Kg	87%		30-120			1
Terphenyl-d14	152.0		200.0	ug/Kg	76%		33-155			1

#	CCV drift outside limits; average CCV drift within limits per method requirements
*	Value is outside QC limits
J	Estimated value
ND	Not Detected
NM	Not Meaningful
b	See narrative

Laboratory Job Number 482773

Subcontracted Products

AmeriSci

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
Enthalpy Analytical
Fax #:

From: Thu M. Nguyen
AmeriSci Job #: 923041035
Subject: PLM-Bulk-Qualitative 5 day Resul
Client Project: EO-482773

Email: incomingreports@enthalpy.com, patty.mata@enthalpy.com

Date: Thursday, April 13, 2023
Time: 18:46:43
Comments:

Number of Pages: _____
(including cover sheet)

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

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AmeriSci Job #: **923041035**

Client Name: Enthalpy Analytical

Table I
Summary of Bulk Asbestos Analysis Results
EO-482773

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	Asbestos by PLM/DS	Asbestos by TEM
01	SB-06-1.0		----	----	----	----	NVA	NA
Location: 482773-001								
02	SB-11-1.0		----	----	----	----	NVA	NA
Location: 482773-016								
03	SB-12-1.0		----	----	----	----	NVA	NA
Location: 482773-019								
04	SB-19-1.0		----	----	----	----	NVA	NA
Location: 482773-028								
05	SB-26-1.0		----	----	----	----	NVA	NA
Location: 482773-040								
06	SB-30-1.0		----	----	----	----	NVA	NA
Location: 482773-049								
07	SB-32-1.0		----	----	----	----	NVA	NA
Location: 482773-055								
08	SB-37-1.0		----	----	----	----	NVA	NA
Location: 482773-067								

Analyzed by: Thu M. Nguyen Thumnguyen Reviewed by: Thu M. Nguyen Thumnguyen

Date: 4/13/2023

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent Qualitative PLM (polarized light microscopy) or Qualitative TEM (transmission electron microscopy) Analysis for confirmation of asbestos presence and identification only, following selections of EPA 600/R-93/116 (method not covered by NVLAP asbestos accreditation); NA = not analyzed; this report relates ONLY to the items tested.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
AmeriSci
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-482773
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

9230441035

Results Due: Standard TAT (5 DAY)
Report Level: II
Report To: MDL
EDDs:

Notes:
Need PLM qualitative tests for soils. Revised to remove water sample test that was not needed.

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SB-06-1.0	04-APR-2023 14:05	482773-001	1	Soil	Asbestos by PLM (P/A)	
SB-11-1.0	04-APR-2023 13:22	482773-016	1	Soil	Asbestos by PLM (P/A)	
SB-12-1.0	04-APR-2023 14:25	482773-019	1	Soil	Asbestos by PLM (P/A)	
SB-19-1.0	04-APR-2023 11:04	482773-028	1	Soil	Asbestos by PLM (P/A)	
SB-26-1.0	04-APR-2023 12:36	482773-040	1	Soil	Asbestos by PLM (P/A)	
SB-30-1.0	04-APR-2023 08:05	482773-049	1	Soil	Asbestos by PLM (P/A)	
SB-32-1.0	04-APR-2023 09:20	482773-055	1	Soil	Asbestos by PLM (P/A)	
SB-37-1.0	04-APR-2023 09:24	482773-067	1	Soil	Asbestos by PLM (P/A)	

Notes:	Relinquished By:	Received By:
	[signature]	Evikonvalcilzuela
	Date: 4-5-23 ~~1750~~ 1755	Date: 04/05/23 @ 1755
	Date:	Date:
	Date:	Date:

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

enthalpy.com

Lab Job Number: 482858
Report Level: II
Report Date: 04/21/2023

Analytical Report *prepared for:*

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - LAUSD-Garfield HS S030.056.003

Authorized for release by:

Patty Mata, Project Manager
patty.mata@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

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #:	482858
	Project No:	LAUSD SCHOOL
	Location:	LAUSD-Garfield HS S030.056.003
	Date Received:	04/05/23

Sample ID	Lab ID	Collected	Matrix
SB-24-1.0	482858-001	04/05/23 07:43	Soil
SB-24-5.0	482858-002	04/05/23 07:52	Soil
SB-24-10.0	482858-003	04/05/23 08:05	Soil
SB-24-15.0	482858-004	04/05/23 08:10	Soil
SB-23-1.0	482858-005	04/05/23 08:16	Soil
SB-23-5.0	482858-006	04/05/23 08:28	Soil
SB-23-10.0	482858-007	04/05/23 08:43	Soil
SB-23-15.0	482858-008	04/05/23 08:45	Soil
SB-36-1.0	482858-009	04/05/23 08:51	Soil
SB-36-3.0	482858-010	04/05/23 09:05	Soil
SB-38-1.0	482858-011	04/05/23 09:13	Soil
SB-38-3.0	482858-012	04/05/23 10:01	Soil
SB-38-5.0	482858-013	04/05/23 10:03	Soil
SB-39-1.0	482858-014	04/05/23 10:19	Soil
SB-39-3.0	482858-015	04/05/23 10:23	Soil
SB-39-5.0	482858-016	04/05/23 10:27	Soil
SB-22-1.0	482858-017	04/05/23 10:28	Soil
SB-22-3.0	482858-018	04/05/23 10:31	Soil
SB-22-5.0	482858-019	04/05/23 10:36	Soil
SB-18-1.0	482858-020	04/05/23 10:43	Soil
SB-18-3.0	482858-021	04/05/23 10:45	Soil
SB-18-5.0	482858-022	04/05/23 10:47	Soil
SB-15-1.0	482858-023	04/05/23 11:00	Soil
SB-15-3.0	482858-024	04/05/23 11:07	Soil
SB-15-5.0	482858-025	04/05/23 11:14	Soil
SB-40-1.0	482858-026	04/05/23 11:12	Soil

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612		Lab Job #:	482858
		Project No:	LAUSD SCHOOL
		Location:	LAUSD-Garfield HS S030.056.003
		Date Received:	04/05/23

Sample ID	Lab ID	Collected	Matrix
SB-40-3.0	482858-027	04/05/23 11:17	Soil
SB-14-1.0	482858-028	04/05/23 11:34	Soil
SB-14-3.0	482858-029	04/05/23 11:45	Soil
SB-14-5.0	482858-030	04/05/23 11:47	Soil
SB-04-1.0	482858-031	04/05/23 11:55	Soil
SB-04-3.0	482858-032	04/05/23 11:59	Soil
SB-04-5.0	482858-033	04/05/23 12:00	Soil
SB-01-1.0	482858-034	04/05/23 12:42	Soil
SB-01-3.0	482858-035	04/05/23 12:46	Soil
SB-01-5.0	482858-036	04/05/23 12:50	Soil
SB-28-1.0	482858-037	04/05/23 13:11	Soil
SB-28-3.0	482858-038	04/05/23 13:14	Soil
SB-28-5.0	482858-039	04/05/23 13:18	Soil
SB-02-6.0	482858-040	04/05/23 13:45	Soil
SB-02-8.0	482858-041	04/05/23 13:50	Soil
SB-02-10.0	482858-042	04/05/23 13:45	Soil
SB-03-6.0	482858-043	04/05/23 14:15	Soil
SB-03-8.0	482858-044	04/05/23 14:20	Soil
SB-03-10.0	482858-045	04/05/23 14:24	Soil
TB-230405	482858-046	04/05/23 14:45	Water
EB-230405	482858-047	04/05/23 14:50	Water

Case Narrative

Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612 Darren Croteau	Lab Job Number: 482858 Project No: LAUSD SCHOOL Location: LAUSD-Garfield HS S030.056.003 Date Received: 04/05/23

This data package contains sample and QC results for thirty two soil samples and two water samples, requested for the above referenced project on 04/05/23. The samples were received cold and intact. Client requested additional tests per their 4/12/23 email. Revised report to include 8015M-TPH-DRO/ORO results as requested. Revised report to include STLC and TCLP results as requested plus the TPH-DRO/ORO result for one additional sample, SB-23-10.0 as requested.

TPH-Extractables by GC (EPA 8015M):

- ORO C28-C44 was detected between the MDL and the RL in the method blank for batch 312026; this analyte was either not detected in samples at or above the RL, or detected at a level at least 10 times that of the blank.
- SB-23-1.0 (lab # 482858-005) and SB-18-1.0 (lab # 482858-020) were diluted due to the dark color of the sample extracts.
- No other analytical problems were encountered.

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

- Acetone was detected between the MDL and the RL in the method blank for batch 311376; this analyte was not detected in samples at or above the RL. Sample results between the MDL and RL were "B" flagged.
- No other analytical problems were encountered.

Pesticides (EPA 8081A) Soil:

- SB-15-1.0 (lab # 482858-023) was diluted due to the color of the sample extract. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A) Water:

- Lead was detected between the MDL and the RL in the method blank for batch 311343; this analyte was not detected in the sample at or above the RL. Sample results between the MDL and RL were "B" flagged.
- No other analytical problems were encountered.

Metals (EPA 6010B, EPA 6020, and EPA 7471A) Soil:

- Low recoveries were observed for antimony in the MS/MSD for batch 311307; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- Lead was detected between the MDL and the RL in the method blank for batch 311260; this analyte was detected in samples at a level at least 10 times that of the blank.
- Lead was detected between the MDL and the RL in the method blank for batch 311301; this analyte was detected in samples at a level at least 10 times that of the blank.
- Chromium and zinc were detected between the MDL and the RL in the method blank for batch 311307; these analytes were detected in samples at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Asbestos by PLM (Asbestos PLM):

AmeriSci in Carson, CA performed the analysis (see sublab report section for certifications). Please see the AmeriSci case narrative.

ENTHALPY ANALYTICAL

Detection Summary

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482858
Project No: LAUSD SCHOOL
Location: LAUSD-Garfield HS S030.056.003
Date Received: 04/05/23

Sample ID: SB-24-1.0 Lab ID: 482858-001 Collected: 04/05/23 07:43

No Detections

Sample ID: SB-24-5.0 Lab ID: 482858-002 Collected: 04/05/23 07:52

No Detections

Sample ID: SB-24-10.0 Lab ID: 482858-003 Collected: 04/05/23 08:05

No Detections

Sample ID: SB-23-1.0 Lab ID: 482858-005 Collected: 04/05/23 08:16
Matrix: Soil

482858-005 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**3.7**		mg/Kg	0.96	0.27
Lead	**17**		mg/Kg	0.48	0.066
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**10**	J	mg/Kg	20	2.1
ORO C28-C44	**140**		mg/Kg	40	2.1
Method: EPA 8260B Prep Method: EPA 5035					
Acetone	**20**	B,J	ug/Kg	97	19
para-Isopropyl Toluene	**1.5**	J	ug/Kg	4.8	1.0

Sample ID: SB-23-5.0 Lab ID: 482858-006 Collected: 04/05/23 08:28
Matrix: Soil

482858-006 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**5.8**	J	mg/Kg	10	1.1
ORO C28-C44	**16**	J	mg/Kg	20	1.1

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-23-10.0	Lab ID: 482858-007	Collected: 04/05/23 08:43

No Detections

Sample ID: SB-36-1.0	Lab ID: 482858-009	Collected: 04/05/23 08:51

482858-009 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.44**		mg/L	0.15	0.036	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**13**		mg/Kg	0.96	0.27	Soil
Lead	**92**		mg/Kg	0.48	0.066	Soil
Method: EPA 8081A Prep Method: EPA 3546						
4,4'-DDT	**2.6**	J	ug/Kg	5.0	1.4	Soil
Chlordane (Technical)	**41**	J	ug/Kg	50	9.1	Soil

Sample ID: SB-36-3.0	Lab ID: 482858-010	Collected: 04/05/23 09:05
	Matrix: Soil	

482858-010 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.4**		mg/Kg	0.95	0.26
Lead	**3.0**		mg/Kg	0.48	0.065

Sample ID: SB-38-1.0	Lab ID: 482858-011	Collected: 04/05/23 09:13
	Matrix: Soil	

482858-011 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**12**		mg/Kg	0.95	0.26
Lead	**31**		mg/Kg	0.48	0.065

Sample ID: SB-38-3.0	Lab ID: 482858-012	Collected: 04/05/23 10:01
	Matrix: Soil	

482858-012 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**6.8**		mg/Kg	0.96	0.20
Lead	**7.7**		mg/Kg	0.48	0.088

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

Detection Summary

Sample ID: SB-39-1.0	Lab ID: 482858-014	Collected: 04/05/23 10:19
	Matrix: Soil	

482858-014 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**12**		mg/Kg	0.95	0.20
Lead	**29**		mg/Kg	0.48	0.087

Sample ID: SB-39-3.0	Lab ID: 482858-015	Collected: 04/05/23 10:23
	Matrix: Soil	

482858-015 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.8**		mg/Kg	0.95	0.20
Lead	**6.5**		mg/Kg	0.48	0.087

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-22-1.0	Lab ID: 482858-017	Collected: 04/05/23 10:28

482858-017 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: EPA 3010A						
Lead	**0.0085**	J	mg/L	0.015	0.0036	TCLP Leachate
Method: EPA 6010B Prep Method: EPA 3050B						
Antimony	**1.2**	J	mg/Kg	2.9	0.50	Soil
Barium	**180**		mg/Kg	0.97	0.078	Soil
Chromium	**37**		mg/Kg	0.97	0.072	Soil
Cobalt	**10**		mg/Kg	0.49	0.13	Soil
Copper	**27**		mg/Kg	0.97	0.25	Soil
Molybdenum	**1.0**		mg/Kg	0.97	0.36	Soil
Nickel	**25**		mg/Kg	0.97	0.26	Soil
Selenium	**0.80**	J	mg/Kg	2.9	0.33	Soil
Vanadium	**55**		mg/Kg	0.97	0.31	Soil
Zinc	**100**		mg/Kg	4.9	0.27	Soil
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.28**		mg/L	0.15	0.036	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**6.0**		mg/Kg	0.95	0.20	Soil
Lead	**150**		mg/Kg	0.48	0.087	Soil
Method: EPA 7471A Prep Method: METHOD						
Mercury	**0.032**	J	mg/Kg	0.17	0.0060	Soil
Method: EPA 8081A Prep Method: EPA 3546						
4,4'-DDE	**11**		ug/Kg	5.0	1.4	Soil
4,4'-DDT	**12**		ug/Kg	5.0	1.4	Soil
Chlordane (Technical)	**440**		ug/Kg	50	11	Soil
Method: EPA 8270C-SIM Prep Method: EPA 3546						
Phenanthrene	**2.8**	J	ug/Kg	10	2.3	Soil
Fluoranthene	**6.5**	J	ug/Kg	10	1.0	Soil
Pyrene	**5.8**	J	ug/Kg	10	1.2	Soil
Benzo(a)anthracene	**3.5**	J	ug/Kg	10	0.95	Soil
Chrysene	**4.1**	J	ug/Kg	10	1.2	Soil
Benzo(b)fluoranthene	**4.3**	J	ug/Kg	10	1.2	Soil
Benzo(k)fluoranthene	**1.9**	J	ug/Kg	10	1.9	Soil
Benzo(a)pyrene	**3.7**	J	ug/Kg	10	2.0	Soil
Indeno(1,2,3-cd)pyrene	**2.3**	J	ug/Kg	10	1.1	Soil
Benzo(g,h,i)perylene	**2.7**	J	ug/Kg	10	1.4	Soil

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-22-3.0	Lab ID: 482858-018	Collected: 04/05/23 10:31
	Matrix: Soil	

482858-018 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.6**		mg/Kg	0.99	0.20
Lead	**13**		mg/Kg	0.50	0.090
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**500**		ug/Kg	50	11

Sample ID: SB-18-1.0	Lab ID: 482858-020	Collected: 04/05/23 10:43
	Matrix: Soil	

482858-020 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.7**		mg/Kg	0.98	0.20
Lead	**15**		mg/Kg	0.49	0.089
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**8.6**	J	mg/Kg	20	2.1
ORO C28-C44	**70**		mg/Kg	40	2.1
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**100**	J	ug/Kg	250	54

Sample ID: SB-18-3.0	Lab ID: 482858-021	Collected: 04/05/23 10:45
	Matrix: Soil	

482858-021 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.7**		mg/Kg	0.96	0.27
Lead	**5.8**		mg/Kg	0.48	0.066

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-15-1.0	Lab ID: 482858-023	Collected: 04/05/23 11:00
	Matrix: Soil	

482858-023 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Antimony	**1.3**	J	mg/Kg	2.9	0.51
Barium	**110**		mg/Kg	0.98	0.079
Chromium	**30**		mg/Kg	0.98	0.073
Cobalt	**9.0**		mg/Kg	0.49	0.14
Copper	**20**		mg/Kg	0.98	0.26
Molybdenum	**0.80**	J	mg/Kg	0.98	0.36
Nickel	**17**		mg/Kg	0.98	0.26
Vanadium	**45**		mg/Kg	0.98	0.31
Zinc	**62**		mg/Kg	4.9	0.27
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.8**		mg/Kg	0.98	0.27
Lead	**15**		mg/Kg	0.49	0.067
Thallium	**0.26**	J	mg/Kg	0.98	0.14
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.021**	J	mg/Kg	0.14	0.0052

Sample ID: SB-15-3.0	Lab ID: 482858-024	Collected: 04/05/23 11:07
	Matrix: Soil	

482858-024 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.3**		mg/Kg	0.97	0.27
Lead	**25**		mg/Kg	0.49	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**7.5**		ug/Kg	5.0	1.4
4,4'-DDT	**3.8**	J	ug/Kg	5.0	1.4
Chlordane (Technical)	**100**		ug/Kg	50	11

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-40-1.0	Lab ID: 482858-026	Collected: 04/05/23 11:12
	Matrix: Soil	

482858-026 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.97	0.27
Lead	**9.7**		mg/Kg	0.49	0.066

Sample ID: SB-40-3.0	Lab ID: 482858-027	Collected: 04/05/23 11:17

No Detections

Sample ID: SB-14-1.0	Lab ID: 482858-028	Collected: 04/05/23 11:34
	Matrix: Soil	

482858-028 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.1**		mg/Kg	0.96	0.27
Lead	**12**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**14**	J	ug/Kg	50	9.0

Sample ID: SB-14-3.0	Lab ID: 482858-029	Collected: 04/05/23 11:45
	Matrix: Soil	

482858-029 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**6.2**		mg/Kg	1.0	0.28
Lead	**39**		mg/Kg	0.50	0.068
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**4.1**	J	ug/Kg	5.0	1.4
4,4'-DDE	**1.7**	J	ug/Kg	5.0	1.4
4,4'-DDT	**3.5**	C,J	ug/Kg	5.0	1.4
Chlordane (Technical)	**35**	J	ug/Kg	50	11

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-04-1.0	Lab ID: 482858-031	Collected: 04/05/23 11:55
	Matrix: Soil	

482858-031 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Antimony	**0.53**	J	mg/Kg	3.0	0.51
Barium	**59**		mg/Kg	0.99	0.080
Chromium	**11**		mg/Kg	0.99	0.073
Cobalt	**4.9**		mg/Kg	0.50	0.14
Copper	**13**		mg/Kg	0.99	0.26
Nickel	**6.9**		mg/Kg	0.99	0.27
Vanadium	**34**		mg/Kg	0.99	0.31
Zinc	**36**		mg/Kg	5.0	0.27
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**1.8**		mg/Kg	0.99	0.27
Lead	**5.1**		mg/Kg	0.50	0.068
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.091**	J	mg/Kg	0.14	0.0052
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**1.5**	J	mg/Kg	9.9	1.1
Method: EPA 8260B Prep Method: EPA 5035					
Benzene	**1.1**	J	ug/Kg	4.5	0.9

Sample ID: SB-04-3.0	Lab ID: 482858-032	Collected: 04/05/23 11:59
	Matrix: Soil	

482858-032 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.0**		mg/Kg	0.97	0.27
Lead	**5.6**		mg/Kg	0.49	0.066

Sample ID: SB-01-1.0	Lab ID: 482858-034	Collected: 04/05/23 12:42

No Detections

Sample ID: SB-01-3.0	Lab ID: 482858-035	Collected: 04/05/23 12:46

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-28-1.0	Lab ID: 482858-037	Collected: 04/05/23 13:11
	Matrix: Soil	

482858-037 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.9**		mg/Kg	0.97	0.27
Lead	**44**		mg/Kg	0.49	0.066
Method: EPA 8081A Prep Method: EPA 3546					
4,4'-DDE	**3.3**	J	ug/Kg	5.0	1.4

Sample ID: SB-28-3.0	Lab ID: 482858-038	Collected: 04/05/23 13:14
	Matrix: Soil	

482858-038 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.97	0.27
Lead	**5.5**		mg/Kg	0.49	0.066

Sample ID: SB-02-6.0	Lab ID: 482858-040	Collected: 04/05/23 13:45
	Matrix: Soil	

482858-040 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Antimony	**1.5**	J	mg/Kg	3.0	0.51
Barium	**140**		mg/Kg	0.99	0.080
Chromium	**36**		mg/Kg	0.99	0.073
Cobalt	**12**		mg/Kg	0.50	0.14
Copper	**25**		mg/Kg	0.99	0.26
Molybdenum	**0.66**	J	mg/Kg	0.99	0.36
Nickel	**25**		mg/Kg	0.99	0.27
Selenium	**0.35**	J	mg/Kg	3.0	0.34
Vanadium	**56**		mg/Kg	0.99	0.31
Zinc	**55**		mg/Kg	5.0	0.27
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.8**		mg/Kg	0.99	0.27
Lead	**6.1**		mg/Kg	0.50	0.068
Thallium	**0.18**	J	mg/Kg	0.99	0.14
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.045**	J	mg/Kg	0.15	0.0053

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-02-8.0	Lab ID: 482858-041	Collected: 04/05/23 13:50
	Matrix: Soil	

482858-041 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.2**		mg/Kg	0.99	0.27
Lead	**5.7**		mg/Kg	0.50	0.068
Method: EPA 8260B Prep Method: EPA 5035					
Acetone	**31**	B,J	ug/Kg	110	21

Sample ID: SB-03-6.0	Lab ID: 482858-043	Collected: 04/05/23 14:15
	Matrix: Soil	

482858-043 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Antimony	**0.96**	J	mg/Kg	2.9	0.50
Barium	**140**		mg/Kg	0.96	0.078
Chromium	**33**		mg/Kg	0.96	0.071
Cobalt	**12**		mg/Kg	0.48	0.13
Copper	**24**		mg/Kg	0.96	0.25
Molybdenum	**0.54**	J	mg/Kg	0.96	0.35
Nickel	**23**		mg/Kg	0.96	0.26
Selenium	**0.52**	J	mg/Kg	2.9	0.33
Vanadium	**53**		mg/Kg	0.96	0.30
Zinc	**52**		mg/Kg	4.8	0.26
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.95	0.26
Lead	**5.7**		mg/Kg	0.48	0.065
Thallium	**0.18**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.049**	J	mg/Kg	0.16	0.0057
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**1.7**	J	mg/Kg	10	1.1
ORO C28-C44	**1.9**	B,J	mg/Kg	20	1.1

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Detection Summary

Sample ID: SB-03-8.0	Lab ID: 482858-044	Collected: 04/05/23 14:20
	Matrix: Soil	

482858-044 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.8**		mg/Kg	0.98	0.27
Lead	**6.4**		mg/Kg	0.49	0.067

Sample ID: TB-230405	Lab ID: 482858-046	Collected: 04/05/23 14:45
	Matrix: Water	

482858-046 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 8260B Prep Method: EPA 5030B					
Methylene Chloride	**0.6**	J	ug/L	5.0	0.5
Toluene	**0.2**	J	ug/L	5.0	0.1
Bromoform	**3.2**	J	ug/L	5.0	0.08

Sample ID: EB-230405	Lab ID: 482858-047	Collected: 04/05/23 14:50
	Matrix: Water	

482858-047 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3010A					
Lead	**0.0052**	B,J	mg/L	0.010	0.0024
Method: EPA 8260B Prep Method: EPA 5030B					
Methylene Chloride	**0.5**	J	ug/L	5.0	0.5

B Contamination found in associated Method Blank
C Presence confirmed, but RPD between columns exceeds 40%
J Estimated value

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ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 4868SX

Page: 1 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

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

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD - GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. CATUD / B. MERCADO

Test Instructions / Comments

EMAIL EDD/ESDAT TO edd@terraphase.com

EMAIL REPORT TO vanya.keyes@terraphase.com.

2.8/10.2

10.2/1.3

H - HOLD

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Arsenic (6020)	OCPs (8081A)	Lead (6010B)	VOCs (8260B)	TPH (8015B)	PCBs (8082)
1	SB-24-1.0	04/05/23	0743	S	5-VOA	ICE				X	X	
2	SB-24-5.0		0752		5-VOA					X	X	
3	SB-24-10.0		0805		5-VOA					X	X	
4	SB-24-15.0		0810		5-VOA					H	H	
5	SB-23-1.0		0816		1-8oz / 5-VOA		X		X	X	X	
6	SB-23-5.0		0828				H		H	X	X	
7	SB-23-10.0		0843				H		H	X	X	
8	SB-23-15.0		0845		1-8oz / 5-VOA		H		H	H	H	
9	SB-36-1.0		0851		1-8oz		X	X	X			
10	SB-36-3.0	04/05/23	0905	S	1-8oz	ICE	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATUD	TEI / GEOTECH	4/5/23 1642
1 Received By:	[signature]	Annalisa Gremus	EI	4/5/23 1642
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482858

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Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

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

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	8030.056.003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 EGG St. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. CATINO / B. MERCADO

Analysis Request

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Arsenic (6020)	OCPs (8081A)	LEAD (6010B)	ASBESTOS (PLM)	TTLC 22 METALS (6010B/7471)	TPH (8015B)	PCBs (8082)	PAHs (8270C)			Test Instructions / Comments
																	* SEE PAGE 1 *
1	SB-38-1.0	4/5/23	0913	S	1-8oz	ICE	X	X	X								H-HOLD
2	SB-38-3.0		1001	S			X	X	X								
3	SB-38-5.0		1003	S			H	H	H								
4	SB-39-1.0		1019	S			X	X	X								
5	SB-39-3.0		1023	S			X	X	X								
6	SB-39-5.0		1027	S	1-8oz		H	H	H								
7	SB-22-1.0		1028	S	1-8oz/1-4oz		X	X	X	X	X		X	X			
8	SB-22-3.0		1031	S			X	X	X	H	H		H	H			
9	SB-22-5.0		1036	S	1-8oz/1-4oz		H	H	H	H	H		H	H			
10	SB-18-1.0		1043	S	1-8oz/1-4oz	ICE	X	X	X			X					

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATINO	TEI / GEOLOGIST	4/5/23 1642
1 Received By:	[signature]	Amalia Guallcamo	Et	4/5/23 1642
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482858

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Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

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

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD - GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056-003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. CATINO / B. MERCADO

Analysis Request

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	ARSENIC (6020)	OCPs (8081A)	LEAD (6010B)	ASBESTOS (PLM)	TITLE 22 METALS (6010B/7471)	TPH (8015B)	PCBs (8082)	PAHs (8270C)	VOCs (8260B)	Test Instructions / Comments
																* SEE PAGE 1 *
1	SB-18-3.0	04/05/23	1045	S	1-8oz/3-40A	ICE	X	X	X			H				H - HOLD
2	SB-18-5.0	↓	1047	↓	1-8oz/3-40A	↓	H	H	H			H				
3	SB-15-1.0	↓	1100	↓	1-8oz/1-4oz	↓	X	X	X	X	X					
4	SB-15-3.0	↓	1107	↓	↓	↓	X	X	X	H	H					
5	SB-15-5.0	↓	1114	↓	1-8oz/1-4oz	↓	H	H	H	H	H					
6	SB-40-1.0	↓	1112	↓	1-8oz	↓	X		X							
7	SB-40-3.0	↓	1117	↓	1-8oz/3-40A	↓	H		H						X	
8	SB-14-1.0	↓	1134	↓	1-8oz	↓	X	X	X							
9	SB-14-3.0	↓	1145	↓	↓	↓	X	X	X							
10	SB-14-5.0	04/05/23	1147	S	1-8oz	ICE	H	H	H							

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATINO	TEI / GEOLOGIST	4/5/23 1642
1 Received By:	[signature]	Angelica Salinas	EA	4/5/23 1642
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 402 05 P

Page: 4 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

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

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD - GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6TH ST. LOSANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. GRIWD / B MERCADO

Analysis Request / **Test Instructions / Comments**: *SEE PAGE 1*

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	ARSENIC (6020)	OCPs (8081A)	LEAD (6010B)	TITLE 22 METALS (6010B/7471)	VOCs (8260B)	TPH (8015B)	ASBESTOS (PLM)	PCBS (8082)	PAHS (8270A)	Test Instructions / Comments
1	SB-04-1.0	04/05/23	1155	S	1-8oz / 5-VOA	ICE	X	X	X	X	X	X				
2	SB-04-3.0	↓	1159	↓	↓	↓	X	X	X	H	X	X				
3	SB-04-5.0		1200		1-8oz / 5-VOA		H	H	H	H	H	H				
4	SB-01-1.0		1242		3-VOA						X					
5	SB-01-3.0		1246		3-VOA						X					
6	SB-01-5.0		1250		3-VOA						H					
7	SB-28-1.0		1311		1-8oz		X	X	X							
8	SB-28-3.0		1314		1-8oz		X	X	X							
9	SB-28-5.0	↓	1318	↓	1-8oz	↓	H	H	H							
10	SB-02-6.0	04/05/23	1345	S	2-8oz / 5-VOA	ICE	X	X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CONNS	TEI / GEOLOGIST	4/5/23 1642
1 Received By:	[signature]	Annalesa Smallcomb	EA	4/5/23 1642
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482858

Page: 5 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

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

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase	Proj. #:	5030-056-003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. CATINO / B. MERCADO

Analysis Request

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	ARSENIC (6020)	OCPs (8081A)	LEAD (6010B)	ASBESTOS (CARM)	TITLE 22 METALS (6010B/7471)	VOCs (8260B)	TPH (8015B)	PCBs (8082)	PAHs (8270C)	Test Instructions / Comments
1	SB-02-8.0	04/05/23	1350	S	2-8oz/5-VOA	ICE	X	X	X	H	H	X	X	H	H	
2	SB-02-10.0	↓	1345	↓	2-8oz/5-VOA	↓	H	H	H	H	H	H	H	H	H	
3	SB-03-6.0	↓	1415	↓	2-8oz/5-VOA	↓	X	X	X		X	X	X			
4	SB-03-8.0	↓	1420	↓	2-8oz/5-VOA	↓	X	X	X		H	X	X			
5	SB-03-10.0	↓	1424	S	2-8oz/5-VOA	↓	H	H	H		H	H	H			
6	TB-230405	↓	1445	W	2-VOA	↓						X				
7	EB-230405	04/05/23	1450	W	11	ICE		X			X	X	X	X	X	
8																
9																
10																

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATINO	TBI / GEOLOGIST	4/5/23 1642
1 Received By:	[signature]	Angelica Sandoval	EA	4/5/23 1642
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Terraphase Engineering Project: LAUSD Garfield

Date Received: 4/5/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

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

Sample Temp (°C), One from each cooler: #1: 2.8 #2: 10.2 #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: 0.2 #2: 1.3 #3: _____ #4: _____

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

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: _____ Date: 4/5/23

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

[EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Wed, Apr 12, 2023 at 1:58 PM
To: Patty Mata <patty.mata@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>

Hello Patty,

Could we please run the following additional analyses for the samples submitted last week for our LAUSD Garfield HS Project on standard turnaround time:

Sample ID	Enthalpy ID	PCBs (8082)	PAHs (8270C)
SB-15-1.0	482858-023	X	X
SB-35-1.0	482773-064	X	
SB-36-1.0	482858-009	X	
SB-38-1.0	482858-011	X	
SB-39-1.0	482858-014	X	

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

www.terraphase.com

terraphase engineering

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

RE: [EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Fri, Apr 14, 2023 at 12:25 PM
To: Patty Mata <patty.mata@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>, Darren Croteau <darren.croteau@terraphase.com>

Hello Patty,

Yes please we would like to run the jar samples for TPH-d/o. checked the COC and that should be:

- SB-02-6.0
- SB-02-8.0
- SB-03-6.0
- SB-03-8.0
- SB-04-1.0
- SB-04-3.0
- SB-18-1.0
- SB-23-1.0
- SB-23-5.0

Can you please confirm those are the samples that can be run for TPH-d/o? SB-24-1.0 and SB-24-5.0 were in Terracore kits?

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

jonathan.marshak@terraphase.com

From: Patty Mata <patty.mata@enthalpy.com>
Sent: Friday, April 14, 2023 12:12 PM
To: Jonathan Marshak <jonathan.marshak@terraphase.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>; Darren Croteau <darren.croteau@terraphase.com>
Subject: Re: [EXTERNAL] LAUSD Garfield HS

Jon,

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

RE: [EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Fri, Apr 14, 2023 at 2:37 PM
To: Patty Mata <patty.mata@enthalpy.com>, Daniel Chavez <daniel.chavez@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>, Darren Croteau <darren.croteau@terraphase.com>

Hello Patty,

In addition to the additional TPH tests listed earlier can we please run the following additional tests:

Sample ID	Enthalpy ID	Lead	Lead		Arsenic
		EPA 6020	STLC	TCLP	STLC
SB-13-1.0	482773-070				X
SB-21-1.0	482773-034		X		
SB-22-1.0	482858-017		X	X	
SB-34-3.0	482773-062		X	X	
SB-34-5.0	482773-063	X			
SB-35-1.0	482773-064		X		
SB-36-1.0	482858-009		X		

Sample 482773-063 was previously on hold. All run for standard TAT. We are not sure if we want to run moisture tests yet I will let you know early next week.

thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

ENTHALPY ANALYTICAL

Analysis Results for 482858

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482858
Project No: LAUSD SCHOOL
Location: LAUSD-Garfield HS S030.056.003
Date Received: 04/05/23

Sample ID: SB-24-1.0 **Lab ID: 482858-001** **Collected: 04/05/23 07:43**
Matrix: Soil

482858-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.4	0.40	0.8	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	85%		%REC	60-140		0.8	311204	04/06/23	04/06/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.5	1.2	0.9	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	2.9	0.9	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.5	1.1	0.9	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.5	1.3	0.9	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.5	1.1	0.9	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.5	1.0	0.9	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	90	18	0.9	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.5	1.0	0.9	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.5	1.7	0.9	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.5	1.0	0.9	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	90	18	0.9	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.5	1.1	0.9	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.5	1.0	0.9	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	4.5	1.6	0.9	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.5	1.0	0.9	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.5	1.7	0.9	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	9.0	1.2	0.9	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.5	1.2	0.9	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.5		0.9	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-145		0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	113%		%REC	70-145		0.9	311376	04/08/23	04/08/23	LYZ
Toluene-d8	96%		%REC	70-145		0.9	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	100%		%REC	70-145		0.9	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-24-5.0	Lab ID: 482858-002	Collected: 04/05/23 07:52
	Matrix: Soil	

482858-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.3	0.39	0.77	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	80%		%REC	60-140		0.77	311204	04/06/23	04/06/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.6	1.2	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	3.0	0.93	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.6	1.4	0.93	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	93	19	0.93	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.6	1.0	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.6	1.7	0.93	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.6	1.0	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	93	19	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.6	1.0	0.93	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.6	1.6	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichloropropane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.6	1.7	0.93	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	9.3	1.3	0.93	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.6	1.3	0.93	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.6		0.93	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	112%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
Toluene-d8	98%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-24-10.0	Lab ID: 482858-003	Collected: 04/05/23 08:05
	Matrix: Soil	

482858-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.8	0.47	0.94	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	82%		%REC	60-140		0.94	311204	04/06/23	04/06/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.0	1.0	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	2.5	0.8	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.0	1.0	0.8	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.0	1.2	0.8	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	80	16	0.8	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.0	1.5	0.8	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	80	16	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.0	1.4	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.0	1.5	0.8	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.0	1.1	0.8	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.0	1.1	0.8	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.0		0.8	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	112%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
Toluene-d8	97%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-23-1.0	Lab ID: 482858-005	Collected: 04/05/23 08:16
	Matrix: Soil	

482858-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**3.7**		mg/Kg	0.96	0.27	0.96	311260	04/06/23	04/07/23	JCP
Lead	**17**		mg/Kg	0.48	0.066	0.96	311260	04/06/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.6	0.43	0.87	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	80%		%REC	60-140		0.87	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	**10**	J	mg/Kg	20	2.1	2	312026	04/18/23	04/18/23	SME
ORO C28-C44	**140**		mg/Kg	40	2.1	2	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	94%		%REC	70-130		2	312026	04/18/23	04/18/23	SME
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.8	1.3	0.97	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.8	3.1	0.97	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.8	1.2	0.97	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.8	1.4	0.97	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.8	1.1	0.97	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.8	1.1	0.97	311376	04/08/23	04/08/23	LYZ
Acetone	**20**	B,J	ug/Kg	97	19	0.97	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.8	1.8	0.97	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	97	19	0.97	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.8	1.1	0.97	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.8	1.1	0.97	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.8	1.7	0.97	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.8	1.1	0.97	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.8	1.8	0.97	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	9.7	1.3	0.97	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	**1.5**	J	ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.8	1.3	0.97	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.8		0.97	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-145		0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	113%		%REC	70-145		0.97	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482858

482858-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Toluene-d8	95%		%REC	70-145		0.97	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	97%		%REC	70-145		0.97	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-23-5.0	Lab ID: 482858-006	Collected: 04/05/23 08:28
	Matrix: Soil	

482858-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.5	0.41	0.82	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	77%		%REC	60-140		0.82	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	**5.8**	J	mg/Kg	10	1.1	1	312026	04/18/23	04/18/23	SME
ORO C28-C44	**16**	J	mg/Kg	20	1.1	1	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	92%		%REC	70-130		1	312026	04/18/23	04/18/23	SME
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.2	1.1	0.83	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	2.7	0.83	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.2	1.2	0.83	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	83	17	0.83	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.2	0.9	0.83	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.2	1.5	0.83	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.2	0.9	0.83	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	83	17	0.83	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.2	0.9	0.83	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromomethane	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.2	1.5	0.83	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.2	1.5	0.83	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.3	1.1	0.83	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.2	1.1	0.83	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.2		0.83	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-145		0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	115%		%REC	70-145		0.83	311376	04/08/23	04/08/23	LYZ
Toluene-d8	96%		%REC	70-145		0.83	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.83	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-23-10.0	Lab ID: 482858-007	Collected: 04/05/23 08:43
	Matrix: Soil	

482858-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.5	0.42	0.84	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	83%		%REC	60-140		0.84	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	ND		mg/Kg	9.9	1.1	0.99	312108	04/19/23	04/21/23	BJG
ORO C28-C44	ND		mg/Kg	20	1.1	0.99	312108	04/19/23	04/21/23	BJG
Surrogates				**Limits**						
n-Triacontane	106%		%REC	70-130		0.99	312108	04/19/23	04/21/23	BJG
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.0	1.0	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	2.6	0.8	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.0	1.0	0.8	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.0	1.2	0.8	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	80	16	0.8	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.0	1.5	0.8	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	80	16	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.0	1.0	0.8	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromomethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.0	1.4	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.0	1.5	0.8	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.0	1.1	0.8	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.0	1.1	0.8	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.0		0.8	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	114%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
Toluene-d8	96%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-36-1.0	Lab ID: 482858-009	Collected: 04/05/23 08:51

482858-009 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.44**		mg/L	0.15	0.036	WET Leachate	10	311941	04/20/23	04/21/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**13**		mg/Kg	0.96	0.27	Soil	0.96	311260	04/06/23	04/07/23	JCP
Lead	**92**		mg/Kg	0.48	0.066	Soil	0.96	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	1.2	Soil	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	Soil	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	Soil	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	Soil	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	Soil	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	Soil	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	Soil	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	**2.6**	J	ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	Soil	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	Soil	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	**41**	J	ug/Kg	50	9.1	Soil	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**							
TCMX	72%		%REC	23-120		Soil	1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	65%		%REC	24-120		Soil	1	311319	04/07/23	04/08/23	MES
Method: EPA 8082 Prep Method: EPA 3546											
Aroclor-1016	ND		ug/Kg	50	14	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1232	ND		ug/Kg	50	19	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	Soil	1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-009 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)	76%		%REC	19-121		Soil	1	311319	04/07/23	04/08/23	MES

Sample ID: SB-36-3.0 **Lab ID: 482858-010** **Collected: 04/05/23 09:05**
Matrix: Soil

482858-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.4**		mg/Kg	0.95	0.26	0.95	311260	04/06/23	04/07/23	JCP
Lead	**3.0**		mg/Kg	0.48	0.065	0.95	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	83%		%REC	23-120		1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	85%		%REC	24-120		1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-38-1.0	Lab ID: 482858-011	Collected: 04/05/23 09:13
	Matrix: Soil	

482858-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**12**		mg/Kg	0.95	0.26	0.95	311260	04/06/23	04/07/23	JCP
Lead	**31**		mg/Kg	0.48	0.065	0.95	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	75%		%REC	23-120		1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	73%		%REC	24-120		1	311319	04/07/23	04/08/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	311319	04/07/23	04/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	311319	04/07/23	04/08/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	311319	04/07/23	04/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	311319	04/07/23	04/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	311319	04/07/23	04/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	1	311319	04/07/23	04/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	311319	04/07/23	04/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	311319	04/07/23	04/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	94%		%REC	19-121		1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-38-3.0	Lab ID: 482858-012	Collected: 04/05/23 10:01
	Matrix: Soil	

482858-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**6.8**		mg/Kg	0.96	0.20	0.96	311260	04/06/23	04/07/23	JCP
Lead	**7.7**		mg/Kg	0.48	0.088	0.96	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	76%		%REC	23-120		1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	72%		%REC	24-120		1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-39-1.0	Lab ID: 482858-014	Collected: 04/05/23 10:19
	Matrix: Soil	

482858-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**12**		mg/Kg	0.95	0.20	0.95	311260	04/06/23	04/07/23	JCP
Lead	**29**		mg/Kg	0.48	0.087	0.95	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	67%		%REC	23-120		0.99	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	71%		%REC	24-120		0.99	311319	04/07/23	04/08/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1232	ND		ug/Kg	50	18	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.5	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	0.99	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	89%		%REC	19-121		0.99	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-39-3.0	Lab ID: 482858-015	Collected: 04/05/23 10:23
	Matrix: Soil	

482858-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.8**		mg/Kg	0.95	0.20	0.95	311260	04/06/23	04/07/23	JCP
Lead	**6.5**		mg/Kg	0.48	0.087	0.95	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	79%		%REC	23-120		1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	73%		%REC	24-120		1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-22-1.0	Lab ID: 482858-017	Collected: 04/05/23 10:28

482858-017 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A											
Lead	**0.0085**	J	mg/L	0.015	0.0036	TCLP Leachate	1	312183	04/20/23	04/21/23	THP
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	**1.2**	J	mg/Kg	2.9	0.50	Soil	0.97	311307	04/07/23	04/08/23	KLN
Barium	**180**		mg/Kg	0.97	0.078	Soil	0.97	311307	04/07/23	04/08/23	KLN
Beryllium	ND		mg/Kg	0.49	0.33	Soil	0.97	311307	04/07/23	04/08/23	KLN
Cadmium	ND		mg/Kg	0.49	0.065	Soil	0.97	311307	04/07/23	04/08/23	KLN
Chromium	**37**		mg/Kg	0.97	0.072	Soil	0.97	311307	04/07/23	04/08/23	KLN
Cobalt	**10**		mg/Kg	0.49	0.13	Soil	0.97	311307	04/07/23	04/08/23	KLN
Copper	**27**		mg/Kg	0.97	0.25	Soil	0.97	311307	04/07/23	04/08/23	KLN
Molybdenum	**1.0**		mg/Kg	0.97	0.36	Soil	0.97	311307	04/07/23	04/08/23	KLN
Nickel	**25**		mg/Kg	0.97	0.26	Soil	0.97	311307	04/07/23	04/08/23	KLN
Selenium	**0.80**	J	mg/Kg	2.9	0.33	Soil	0.97	311307	04/07/23	04/08/23	KLN
Silver	ND		mg/Kg	0.49	0.12	Soil	0.97	311307	04/07/23	04/08/23	KLN
Thallium	ND		mg/Kg	2.9	0.56	Soil	0.97	311307	04/07/23	04/08/23	KLN
Vanadium	**55**		mg/Kg	0.97	0.31	Soil	0.97	311307	04/07/23	04/08/23	KLN
Zinc	**100**		mg/Kg	4.9	0.27	Soil	0.97	311307	04/07/23	04/08/23	KLN
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.28**		mg/L	0.15	0.036	WET Leachate	10	311941	04/20/23	04/21/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**6.0**		mg/Kg	0.95	0.20	Soil	0.95	311260	04/06/23	04/07/23	JCP
Lead	**150**		mg/Kg	0.48	0.087	Soil	0.95	311260	04/06/23	04/07/23	JCP
Thallium	ND		mg/Kg	0.95	0.45	Soil	0.95	311260	04/06/23	04/07/23	JCP
Method: EPA 7471A Prep Method: METHOD											
Mercury	**0.032**	J	mg/Kg	0.17	0.0060	Soil	1.2	311296	04/07/23	04/07/23	KAM
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	1.2	Soil	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	Soil	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	Soil	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	Soil	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	Soil	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-017 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDE	**11**		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	Soil	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	Soil	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	**12**		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	Soil	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	Soil	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	**440**		ug/Kg	50	11	Soil	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**							
TCMX	73%		%REC	23-120		Soil	1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	73%		%REC	24-120		Soil	1	311319	04/07/23	04/08/23	MES
Method: EPA 8082 Prep Method: EPA 3546											
Aroclor-1016	ND		ug/Kg	50	14	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1232	ND		ug/Kg	50	19	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	Soil	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)	87%		%REC	19-121		Soil	1	311319	04/07/23	04/08/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546											
1-Methylnaphthalene	ND		ug/Kg	10	3.0	Soil	1	311426	04/10/23	04/10/23	TJW
2-Methylnaphthalene	ND		ug/Kg	10	3.0	Soil	1	311426	04/10/23	04/10/23	TJW
Naphthalene	ND		ug/Kg	10	3.1	Soil	1	311426	04/10/23	04/10/23	TJW
Acenaphthylene	ND		ug/Kg	10	2.5	Soil	1	311426	04/10/23	04/10/23	TJW
Acenaphthene	ND		ug/Kg	10	2.7	Soil	1	311426	04/10/23	04/10/23	TJW
Fluorene	ND		ug/Kg	10	2.6	Soil	1	311426	04/10/23	04/10/23	TJW
Phenanthrene	**2.8**	J	ug/Kg	10	2.3	Soil	1	311426	04/10/23	04/10/23	TJW
Anthracene	ND		ug/Kg	10	1.8	Soil	1	311426	04/10/23	04/10/23	TJW
Fluoranthene	**6.5**	J	ug/Kg	10	1.0	Soil	1	311426	04/10/23	04/10/23	TJW
Pyrene	**5.8**	J	ug/Kg	10	1.2	Soil	1	311426	04/10/23	04/10/23	TJW
Benzo(a)anthracene	**3.5**	J	ug/Kg	10	0.95	Soil	1	311426	04/10/23	04/10/23	TJW
Chrysene	**4.1**	J	ug/Kg	10	1.2	Soil	1	311426	04/10/23	04/10/23	TJW
Benzo(b)fluoranthene	**4.3**	J	ug/Kg	10	1.2	Soil	1	311426	04/10/23	04/10/23	TJW
Benzo(k)fluoranthene	**1.9**	J	ug/Kg	10	1.9	Soil	1	311426	04/10/23	04/10/23	TJW
Benzo(a)pyrene	**3.7**	J	ug/Kg	10	2.0	Soil	1	311426	04/10/23	04/10/23	TJW
Indeno(1,2,3-cd)pyrene	**2.3**	J	ug/Kg	10	1.1	Soil	1	311426	04/10/23	04/10/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-017 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	Soil	1	311426	04/10/23	04/10/23	TJW
Benzo(g,h,i)perylene	**2.7**	J	ug/Kg	10	1.4	Soil	1	311426	04/10/23	04/10/23	TJW
Surrogates				**Limits**							
Nitrobenzene-d5	82%		%REC	27-125		Soil	1	311426	04/10/23	04/10/23	TJW
2-Fluorobiphenyl	78%		%REC	30-120		Soil	1	311426	04/10/23	04/10/23	TJW
Terphenyl-d14	87%		%REC	33-155		Soil	1	311426	04/10/23	04/10/23	TJW

Sample ID: SB-22-3.0 **Lab ID: 482858-018** **Collected: 04/05/23 10:31**
Matrix: Soil

482858-018 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.6**		mg/Kg	0.99	0.20	0.99	311260	04/06/23	04/07/23	JCP
Lead	**13**		mg/Kg	0.50	0.090	0.99	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	**500**		ug/Kg	50	11	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	75%		%REC	23-120		1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	72%		%REC	24-120		1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-18-1.0	Lab ID: 482858-020	Collected: 04/05/23 10:43
	Matrix: Soil	

482858-020 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.7**		mg/Kg	0.98	0.20	0.98	311260	04/06/23	04/07/23	JCP
Lead	**15**		mg/Kg	0.49	0.089	0.98	311260	04/06/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.9	0.48	0.96	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	81%		%REC	60-140		0.96	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	**8.6**	J	mg/Kg	20	2.1	2	312026	04/18/23	04/18/23	SME
ORO C28-C44	**70**		mg/Kg	40	2.1	2	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	93%		%REC	70-130		2	312026	04/18/23	04/18/23	SME
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	25	6.1	5	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	25	8.3	5	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	25	5.2	5	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	25	6.7	5	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	25	7.5	5	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	25	6.4	5	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	25	9.0	5	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	25	7.8	5	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	25	7.8	5	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	25	8.1	5	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	25	5.5	5	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	25	8.4	5	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	25	6.9	5	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	25	7.2	5	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	50	25	5	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	500	73	5	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	**100**	J	ug/Kg	250	54	5	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	87%		%REC	23-120		5	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	90%		%REC	24-120		5	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-18-3.0	Lab ID: 482858-021	Collected: 04/05/23 10:45
	Matrix: Soil	

482858-021 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.7**		mg/Kg	0.96	0.27	0.96	311301	04/07/23	04/07/23	JCP
Lead	**5.8**		mg/Kg	0.48	0.066	0.96	311301	04/07/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.3	0.38	0.77	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	87%		%REC	60-140		0.77	311204	04/06/23	04/06/23	LYZ
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	71%		%REC	23-120		1	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	67%		%REC	24-120		1	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-15-1.0	Lab ID: 482858-023	Collected: 04/05/23 11:00
	Matrix: Soil	

482858-023 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**1.3**	J	mg/Kg	2.9	0.51	0.98	311307	04/07/23	04/08/23	KLN
Barium	**110**		mg/Kg	0.98	0.079	0.98	311307	04/07/23	04/08/23	KLN
Beryllium	ND		mg/Kg	0.49	0.33	0.98	311307	04/07/23	04/08/23	KLN
Cadmium	ND		mg/Kg	0.49	0.065	0.98	311307	04/07/23	04/08/23	KLN
Chromium	**30**		mg/Kg	0.98	0.073	0.98	311307	04/07/23	04/08/23	KLN
Cobalt	**9.0**		mg/Kg	0.49	0.14	0.98	311307	04/07/23	04/08/23	KLN
Copper	**20**		mg/Kg	0.98	0.26	0.98	311307	04/07/23	04/08/23	KLN
Molybdenum	**0.80**	J	mg/Kg	0.98	0.36	0.98	311307	04/07/23	04/08/23	KLN
Nickel	**17**		mg/Kg	0.98	0.26	0.98	311307	04/07/23	04/08/23	KLN
Selenium	ND		mg/Kg	2.9	0.34	0.98	311307	04/07/23	04/08/23	KLN
Silver	ND		mg/Kg	0.49	0.12	0.98	311307	04/07/23	04/08/23	KLN
Thallium	ND		mg/Kg	2.9	0.56	0.98	311307	04/07/23	04/08/23	KLN
Vanadium	**45**		mg/Kg	0.98	0.31	0.98	311307	04/07/23	04/08/23	KLN
Zinc	**62**		mg/Kg	4.9	0.27	0.98	311307	04/07/23	04/08/23	KLN
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.8**		mg/Kg	0.98	0.27	0.98	311301	04/07/23	04/07/23	JCP
Lead	**15**		mg/Kg	0.49	0.067	0.98	311301	04/07/23	04/07/23	JCP
Thallium	**0.26**	J	mg/Kg	0.98	0.14	0.98	311301	04/07/23	04/07/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.021**	J	mg/Kg	0.14	0.0052	1	311296	04/07/23	04/07/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	25	6.1	5	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	25	8.3	5	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	25	5.2	5	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	25	6.7	5	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	25	7.5	5	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	25	6.4	5	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	25	9.0	5	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	25	7.8	5	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	25	7.8	5	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	25	8.1	5	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	25	5.5	5	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	25	8.4	5	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	25	6.9	5	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-023 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDT	ND		ug/Kg	25	7.2	5	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	50	25	5	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	500	73	5	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	250	54	5	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	76%		%REC	23-120		5	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	78%		%REC	24-120		5	311319	04/07/23	04/09/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	311319	04/07/23	04/12/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	311319	04/07/23	04/12/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	311319	04/07/23	04/12/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	311319	04/07/23	04/12/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	311319	04/07/23	04/12/23	MES
Aroclor-1254	ND		ug/Kg	50	6.5	1	311319	04/07/23	04/12/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	311319	04/07/23	04/12/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	311319	04/07/23	04/12/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	311319	04/07/23	04/12/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	68%		%REC	19-121		1	311319	04/07/23	04/12/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	9.9	3.0	0.99	311609	04/13/23	04/13/23	TJW
2-Methylnaphthalene	ND		ug/Kg	9.9	2.9	0.99	311609	04/13/23	04/13/23	TJW
Naphthalene	ND		ug/Kg	9.9	3.1	0.99	311609	04/13/23	04/13/23	TJW
Acenaphthylene	ND		ug/Kg	9.9	2.5	0.99	311609	04/13/23	04/13/23	TJW
Acenaphthene	ND		ug/Kg	9.9	2.7	0.99	311609	04/13/23	04/13/23	TJW
Fluorene	ND		ug/Kg	9.9	2.6	0.99	311609	04/13/23	04/13/23	TJW
Phenanthrene	ND		ug/Kg	9.9	2.3	0.99	311609	04/13/23	04/13/23	TJW
Anthracene	ND		ug/Kg	9.9	1.8	0.99	311609	04/13/23	04/13/23	TJW
Fluoranthene	ND		ug/Kg	9.9	0.99	0.99	311609	04/13/23	04/13/23	TJW
Pyrene	ND		ug/Kg	9.9	1.2	0.99	311609	04/13/23	04/13/23	TJW
Benzo(a)anthracene	ND		ug/Kg	9.9	0.94	0.99	311609	04/13/23	04/13/23	TJW
Chrysene	ND		ug/Kg	9.9	1.2	0.99	311609	04/13/23	04/13/23	TJW
Benzo(b)fluoranthene	ND		ug/Kg	9.9	1.2	0.99	311609	04/13/23	04/13/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	9.9	1.9	0.99	311609	04/13/23	04/13/23	TJW
Benzo(a)pyrene	ND		ug/Kg	9.9	2.0	0.99	311609	04/13/23	04/13/23	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9	1.1	0.99	311609	04/13/23	04/13/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	9.9	1.3	0.99	311609	04/13/23	04/13/23	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	9.9	1.4	0.99	311609	04/13/23	04/13/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	61%		%REC	27-125		0.99	311609	04/13/23	04/13/23	TJW
2-Fluorobiphenyl	45%		%REC	30-120		0.99	311609	04/13/23	04/13/23	TJW
Terphenyl-d14	38%		%REC	33-155		0.99	311609	04/13/23	04/13/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-15-3.0	Lab ID: 482858-024	Collected: 04/05/23 11:07
	Matrix: Soil	

482858-024 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.3**		mg/Kg	0.97	0.27	0.97	311301	04/07/23	04/07/23	JCP
Lead	**25**		mg/Kg	0.49	0.066	0.97	311301	04/07/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Dieldrin	**7.5**		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDT	**3.8**	J	ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	**100**		ug/Kg	50	11	0.99	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	93%		%REC	23-120		0.99	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	85%		%REC	24-120		0.99	311319	04/07/23	04/09/23	MES

Sample ID: SB-40-1.0	Lab ID: 482858-026	Collected: 04/05/23 11:12
	Matrix: Soil	

482858-026 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.97	0.27	0.97	311301	04/07/23	04/07/23	JCP
Lead	**9.7**		mg/Kg	0.49	0.066	0.97	311301	04/07/23	04/07/23	JCP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-40-3.0	Lab ID: 482858-027	Collected: 04/05/23 11:17
	Matrix: Soil	

482858-027 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.6	1.2	0.92	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	3.0	0.92	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.6	1.3	0.92	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	92	18	0.92	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.6	1.0	0.92	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.6	1.7	0.92	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.6	1.0	0.92	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	92	18	0.92	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.6	1.6	0.92	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.6	1.7	0.92	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-027 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	9.2	1.2	0.92	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.6	1.3	0.92	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.6		0.92	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-145		0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	111%		%REC	70-145		0.92	311376	04/08/23	04/08/23	LYZ
Toluene-d8	98%		%REC	70-145		0.92	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	97%		%REC	70-145		0.92	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-14-1.0	Lab ID: 482858-028	Collected: 04/05/23 11:34
	Matrix: Soil	

482858-028 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.1**		mg/Kg	0.96	0.27	0.96	311301	04/07/23	04/07/23	JCP
Lead	**12**		mg/Kg	0.48	0.066	0.96	311301	04/07/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	**14**	J	ug/Kg	50	9.0	0.99	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	78%		%REC	23-120		0.99	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	72%		%REC	24-120		0.99	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-14-3.0	Lab ID: 482858-029	Collected: 04/05/23 11:45
	Matrix: Soil	

482858-029 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**6.2**		mg/Kg	1.0	0.28	1	311301	04/07/23	04/07/23	JCP
Lead	**39**		mg/Kg	0.50	0.068	1	311301	04/07/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Dieldrin	**4.1**	J	ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDE	**1.7**	J	ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDT	**3.5**	C,J	ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	**35**	J	ug/Kg	50	11	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	89%		%REC	23-120		1	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	78%		%REC	24-120		1	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-04-1.0	Lab ID: 482858-031	Collected: 04/05/23 11:55
	Matrix: Soil	

482858-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**0.53**	J	mg/Kg	3.0	0.51	0.99	311307	04/07/23	04/08/23	KLN
Barium	**59**		mg/Kg	0.99	0.080	0.99	311307	04/07/23	04/08/23	KLN
Beryllium	ND		mg/Kg	0.50	0.34	0.99	311307	04/07/23	04/08/23	KLN
Cadmium	ND		mg/Kg	0.50	0.066	0.99	311307	04/07/23	04/08/23	KLN
Chromium	**11**		mg/Kg	0.99	0.073	0.99	311307	04/07/23	04/08/23	KLN
Cobalt	**4.9**		mg/Kg	0.50	0.14	0.99	311307	04/07/23	04/08/23	KLN
Copper	**13**		mg/Kg	0.99	0.26	0.99	311307	04/07/23	04/08/23	KLN
Molybdenum	ND		mg/Kg	0.99	0.36	0.99	311307	04/07/23	04/08/23	KLN
Nickel	**6.9**		mg/Kg	0.99	0.27	0.99	311307	04/07/23	04/08/23	KLN
Selenium	ND		mg/Kg	3.0	0.34	0.99	311307	04/07/23	04/08/23	KLN
Silver	ND		mg/Kg	0.50	0.12	0.99	311307	04/07/23	04/08/23	KLN
Thallium	ND		mg/Kg	3.0	0.57	0.99	311307	04/07/23	04/08/23	KLN
Vanadium	**34**		mg/Kg	0.99	0.31	0.99	311307	04/07/23	04/08/23	KLN
Zinc	**36**		mg/Kg	5.0	0.27	0.99	311307	04/07/23	04/08/23	KLN
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**1.8**		mg/Kg	0.99	0.27	0.99	311301	04/07/23	04/07/23	JCP
Lead	**5.1**		mg/Kg	0.50	0.068	0.99	311301	04/07/23	04/07/23	JCP
Thallium	ND		mg/Kg	0.99	0.14	0.99	311301	04/07/23	04/07/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.091**	J	mg/Kg	0.14	0.0052	1	311296	04/07/23	04/07/23	KAM
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.4	0.40	0.79	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	79%		%REC	60-140		0.79	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	**1.5**	J	mg/Kg	9.9	1.1	0.99	312026	04/18/23	04/18/23	SME
ORO C28-C44	ND		mg/Kg	20	1.1	0.99	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	91%		%REC	70-130		0.99	312026	04/18/23	04/18/23	SME
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	75%		%REC	23-120		0.99	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	72%		%REC	24-120		0.99	311319	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.5	1.2	0.89	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	2.9	0.89	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.5	1.1	0.89	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.5	1.3	0.89	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.5	1.1	0.89	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.5	1.0	0.89	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	89	18	0.89	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.5	1.0	0.89	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.5	1.6	0.89	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.5	1.0	0.89	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	89	18	0.89	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.5	1.1	0.89	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Benzene	**1.1**	J	ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichloroethene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.5	1.0	0.89	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.5	1.6	0.89	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.5	1.0	0.89	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.5	1.7	0.89	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.9	1.2	0.89	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.5	1.2	0.89	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.5		0.89	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-145		0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	104%		%REC	70-145		0.89	311376	04/08/23	04/08/23	LYZ
Toluene-d8	101%		%REC	70-145		0.89	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482858

482858-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromofluorobenzene	96%		%REC	70-145		0.89	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-04-3.0	Lab ID: 482858-032	Collected: 04/05/23 11:59
	Matrix: Soil	

482858-032 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.0**		mg/Kg	0.97	0.27	0.97	311301	04/07/23	04/07/23	JCP
Lead	**5.6**		mg/Kg	0.49	0.066	0.97	311301	04/07/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.3	0.38	0.76	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	75%		%REC	60-140		0.76	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	ND		mg/Kg	10	1.1	1	312026	04/18/23	04/18/23	SME
ORO C28-C44	ND		mg/Kg	20	1.1	1	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	95%		%REC	70-130		1	312026	04/18/23	04/18/23	SME
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	89%		%REC	23-120		1	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	84%		%REC	24-120		1	311319	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-032 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
3-Chloropropene	ND		ug/Kg	3.7	1.0	0.75	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.7	2.4	0.75	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	3.7	1.1	0.75	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	75	15	0.75	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	3.7	0.8	0.75	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	3.7	1.4	0.75	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	3.7	0.8	0.75	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	75	15	0.75	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	3.7	0.8	0.75	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	3.7	1.3	0.75	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	3.7	1.4	0.75	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	7.5	1.0	0.75	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-032 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Isopropylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.7	1.0	0.75	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	3.7		0.75	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-145		0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	109%		%REC	70-145		0.75	311376	04/08/23	04/08/23	LYZ
Toluene-d8	97%		%REC	70-145		0.75	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.75	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-01-1.0	Lab ID: 482858-034	Collected: 04/05/23 12:42
	Matrix: Soil	

482858-034 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.1	1.1	0.81	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.1	2.6	0.81	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.1	1.0	0.81	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.1	1.2	0.81	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.1	1.0	0.81	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.1	0.9	0.81	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	81	16	0.81	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.1	0.9	0.81	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.1	1.5	0.81	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.1	0.9	0.81	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	81	16	0.81	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.1	1.0	0.81	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.1	0.9	0.81	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.1	1.4	0.81	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.1	0.9	0.81	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.1	1.5	0.81	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-034 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.1	1.1	0.81	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.1	1.1	0.81	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.1		0.81	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	115%		%REC	70-145		0.81	311376	04/08/23	04/08/23	LYZ
Toluene-d8	97%		%REC	70-145		0.81	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.81	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-01-3.0	Lab ID: 482858-035	Collected: 04/05/23 12:46
	Matrix: Soil	

482858-035 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	5.1	1.3	1	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	3.3	1	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	5.1	1.5	1	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	100	21	1	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	5.1	1.1	1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	5.1	1.9	1	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	5.1	1.1	1	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	100	21	1	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.1	1.1	1	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.1	1.8	1	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.1	1.9	1	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-035 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	10	1.4	1	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.1	1.4	1	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	5.1		1	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	106%		%REC	70-145		1	311376	04/08/23	04/08/23	LYZ
Toluene-d8	99%		%REC	70-145		1	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	95%		%REC	70-145		1	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-28-1.0	Lab ID: 482858-037	Collected: 04/05/23 13:11
	Matrix: Soil	

482858-037 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.9**		mg/Kg	0.97	0.27	0.97	311301	04/07/23	04/07/23	JCP
Lead	**44**		mg/Kg	0.49	0.066	0.97	311301	04/07/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDE	**3.3**	J	ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	89%		%REC	23-120		0.99	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	86%		%REC	24-120		0.99	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-28-3.0	Lab ID: 482858-038	Collected: 04/05/23 13:14
	Matrix: Soil	

482858-038 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.97	0.27	0.97	311301	04/07/23	04/07/23	JCP
Lead	**5.5**		mg/Kg	0.49	0.066	0.97	311301	04/07/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	86%		%REC	23-120		0.99	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	79%		%REC	24-120		0.99	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-02-6.0	Lab ID: 482858-040	Collected: 04/05/23 13:45
	Matrix: Soil	

482858-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**1.5**	J	mg/Kg	3.0	0.51	0.99	311307	04/07/23	04/08/23	KLN
Barium	**140**		mg/Kg	0.99	0.080	0.99	311307	04/07/23	04/08/23	KLN
Beryllium	ND		mg/Kg	0.50	0.34	0.99	311307	04/07/23	04/08/23	KLN
Cadmium	ND		mg/Kg	0.50	0.066	0.99	311307	04/07/23	04/08/23	KLN
Chromium	**36**		mg/Kg	0.99	0.073	0.99	311307	04/07/23	04/08/23	KLN
Cobalt	**12**		mg/Kg	0.50	0.14	0.99	311307	04/07/23	04/08/23	KLN
Copper	**25**		mg/Kg	0.99	0.26	0.99	311307	04/07/23	04/08/23	KLN
Molybdenum	**0.66**	J	mg/Kg	0.99	0.36	0.99	311307	04/07/23	04/08/23	KLN
Nickel	**25**		mg/Kg	0.99	0.27	0.99	311307	04/07/23	04/08/23	KLN
Selenium	**0.35**	J	mg/Kg	3.0	0.34	0.99	311307	04/07/23	04/08/23	KLN
Silver	ND		mg/Kg	0.50	0.12	0.99	311307	04/07/23	04/08/23	KLN
Thallium	ND		mg/Kg	3.0	0.57	0.99	311307	04/07/23	04/08/23	KLN
Vanadium	**56**		mg/Kg	0.99	0.31	0.99	311307	04/07/23	04/08/23	KLN
Zinc	**55**		mg/Kg	5.0	0.27	0.99	311307	04/07/23	04/08/23	KLN
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.8**		mg/Kg	0.99	0.27	0.99	311301	04/07/23	04/07/23	JCP
Lead	**6.1**		mg/Kg	0.50	0.068	0.99	311301	04/07/23	04/07/23	JCP
Thallium	**0.18**	J	mg/Kg	0.99	0.14	0.99	311301	04/07/23	04/07/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.045**	J	mg/Kg	0.15	0.0053	1.1	311296	04/07/23	04/07/23	KAM
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.5	0.41	0.82	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	61%		%REC	60-140		0.82	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	ND		mg/Kg	10	1.1	1	312026	04/18/23	04/18/23	SME
ORO C28-C44	ND		mg/Kg	20	1.1	1	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	89%		%REC	70-130		1	312026	04/18/23	04/18/23	SME
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	78%		%REC	23-120		1	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	78%		%REC	24-120		1	311319	04/07/23	04/09/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	311319	04/07/23	04/09/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	311319	04/07/23	04/09/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	311319	04/07/23	04/09/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	311319	04/07/23	04/09/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	311319	04/07/23	04/09/23	MES
Aroclor-1254	ND		ug/Kg	50	6.5	1	311319	04/07/23	04/09/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	311319	04/07/23	04/09/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	311319	04/07/23	04/09/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	95%		%REC	19-121		1	311319	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.7	1.2	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.7	3.0	0.93	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.7	1.4	0.93	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	93	19	0.93	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.7	1.0	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.7	1.7	0.93	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
MTBE	ND		ug/Kg	4.7	1.0	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	93	19	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.7	1.0	0.93	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.7	1.7	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.7	1.7	0.93	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	9.3	1.3	0.93	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dichlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.7	1.3	0.93	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.7		0.93	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	108%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
Toluene-d8	98%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	96%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	9.9	3.0	0.99	311426	04/10/23	04/10/23	TJW
2-Methylnaphthalene	ND		ug/Kg	9.9	2.9	0.99	311426	04/10/23	04/10/23	TJW
Naphthalene	ND		ug/Kg	9.9	3.1	0.99	311426	04/10/23	04/10/23	TJW
Acenaphthylene	ND		ug/Kg	9.9	2.5	0.99	311426	04/10/23	04/10/23	TJW
Acenaphthene	ND		ug/Kg	9.9	2.7	0.99	311426	04/10/23	04/10/23	TJW
Fluorene	ND		ug/Kg	9.9	2.6	0.99	311426	04/10/23	04/10/23	TJW
Phenanthrene	ND		ug/Kg	9.9	2.3	0.99	311426	04/10/23	04/10/23	TJW
Anthracene	ND		ug/Kg	9.9	1.8	0.99	311426	04/10/23	04/10/23	TJW
Fluoranthene	ND		ug/Kg	9.9	0.99	0.99	311426	04/10/23	04/10/23	TJW
Pyrene	ND		ug/Kg	9.9	1.2	0.99	311426	04/10/23	04/10/23	TJW
Benzo(a)anthracene	ND		ug/Kg	9.9	0.94	0.99	311426	04/10/23	04/10/23	TJW
Chrysene	ND		ug/Kg	9.9	1.2	0.99	311426	04/10/23	04/10/23	TJW
Benzo(b)fluoranthene	ND		ug/Kg	9.9	1.2	0.99	311426	04/10/23	04/10/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	9.9	1.9	0.99	311426	04/10/23	04/10/23	TJW
Benzo(a)pyrene	ND		ug/Kg	9.9	2.0	0.99	311426	04/10/23	04/10/23	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9	1.1	0.99	311426	04/10/23	04/10/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	9.9	1.3	0.99	311426	04/10/23	04/10/23	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	9.9	1.4	0.99	311426	04/10/23	04/10/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	63%		%REC	27-125		0.99	311426	04/10/23	04/10/23	TJW
2-Fluorobiphenyl	58%		%REC	30-120		0.99	311426	04/10/23	04/10/23	TJW
Terphenyl-d14	90%		%REC	33-155		0.99	311426	04/10/23	04/10/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-02-8.0	Lab ID: 482858-041	Collected: 04/05/23 13:50
	Matrix: Soil	

482858-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.2**		mg/Kg	0.99	0.27	0.99	311301	04/07/23	04/07/23	JCP
Lead	**5.7**		mg/Kg	0.50	0.068	0.99	311301	04/07/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.8	0.46	0.93	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	75%		%REC	60-140		0.93	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	ND		mg/Kg	10	1.1	1	312026	04/18/23	04/19/23	BJG
ORO C28-C44	ND		mg/Kg	20	1.1	1	312026	04/18/23	04/19/23	BJG
Surrogates				**Limits**						
n-Triacontane	79%		%REC	70-130		1	312026	04/18/23	04/19/23	BJG
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	74%		%REC	23-120		1	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	73%		%REC	24-120		1	311319	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
3-Chloropropene	ND		ug/Kg	5.3	1.4	1.1	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.3	3.4	1.1	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	5.3	1.3	1.1	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	5.3	1.5	1.1	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	5.3	1.2	1.1	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.3	1.2	1.1	311376	04/08/23	04/08/23	LYZ
Acetone	**31**	B,J	ug/Kg	110	21	1.1	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	5.3	1.9	1.1	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	110	21	1.1	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.3	1.3	1.1	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	5.3	1.2	1.1	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.3	1.9	1.1	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.3	1.2	1.1	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.3	2.0	1.1	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	11	1.4	1.1	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Isopropylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.3	1.5	1.1	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	5.3		1.1	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	108%		%REC	70-145		1.1	311376	04/08/23	04/08/23	LYZ
Toluene-d8	98%		%REC	70-145		1.1	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	96%		%REC	70-145		1.1	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-03-6.0	Lab ID: 482858-043	Collected: 04/05/23 14:15
	Matrix: Soil	

482858-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**0.96**	J	mg/Kg	2.9	0.50	0.96	311307	04/07/23	04/08/23	KLN
Barium	**140**		mg/Kg	0.96	0.078	0.96	311307	04/07/23	04/08/23	KLN
Beryllium	ND		mg/Kg	0.48	0.33	0.96	311307	04/07/23	04/08/23	KLN
Cadmium	ND		mg/Kg	0.48	0.064	0.96	311307	04/07/23	04/08/23	KLN
Chromium	**33**		mg/Kg	0.96	0.071	0.96	311307	04/07/23	04/08/23	KLN
Cobalt	**12**		mg/Kg	0.48	0.13	0.96	311307	04/07/23	04/08/23	KLN
Copper	**24**		mg/Kg	0.96	0.25	0.96	311307	04/07/23	04/08/23	KLN
Molybdenum	**0.54**	J	mg/Kg	0.96	0.35	0.96	311307	04/07/23	04/08/23	KLN
Nickel	**23**		mg/Kg	0.96	0.26	0.96	311307	04/07/23	04/08/23	KLN
Selenium	**0.52**	J	mg/Kg	2.9	0.33	0.96	311307	04/07/23	04/08/23	KLN
Silver	ND		mg/Kg	0.48	0.12	0.96	311307	04/07/23	04/08/23	KLN
Thallium	ND		mg/Kg	2.9	0.55	0.96	311307	04/07/23	04/08/23	KLN
Vanadium	**53**		mg/Kg	0.96	0.30	0.96	311307	04/07/23	04/08/23	KLN
Zinc	**52**		mg/Kg	4.8	0.26	0.96	311307	04/07/23	04/08/23	KLN
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.95	0.26	0.95	311301	04/07/23	04/07/23	JCP
Lead	**5.7**		mg/Kg	0.48	0.065	0.95	311301	04/07/23	04/07/23	JCP
Thallium	**0.18**	J	mg/Kg	0.95	0.13	0.95	311301	04/07/23	04/07/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.049**	J	mg/Kg	0.16	0.0057	1.1	311296	04/07/23	04/07/23	KAM
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.7	0.46	0.91	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	83%		%REC	60-140		0.91	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	**1.7**	J	mg/Kg	10	1.1	1	312026	04/18/23	04/19/23	BJG
ORO C28-C44	**1.9**	B,J	mg/Kg	20	1.1	1	312026	04/18/23	04/19/23	BJG
Surrogates				**Limits**						
n-Triacontane	97%		%REC	70-130		1	312026	04/18/23	04/19/23	BJG
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311346	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311346	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311346	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311346	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Aldrin	ND		ug/Kg	5.0	1.3	1	311346	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311346	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311346	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311346	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311346	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311346	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311346	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311346	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311346	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311346	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	73%		%REC	23-120		1	311346	04/07/23	04/09/23	MES
Decachlorobiphenyl	80%		%REC	24-120		1	311346	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.3	1.1	0.87	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.3	2.8	0.87	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.3	1.3	0.87	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	87	17	0.87	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.3	1.6	0.87	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	87	17	0.87	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichloroethene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.3	1.5	0.87	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.3	1.6	0.87	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.7	1.2	0.87	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.3	1.2	0.87	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.3		0.87	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	111%		%REC	70-145		0.87	311376	04/08/23	04/08/23	LYZ
Toluene-d8	98%		%REC	70-145		0.87	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482858

482858-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromofluorobenzene	96%		%REC	70-145		0.87	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-03-8.0	Lab ID: 482858-044	Collected: 04/05/23 14:20
	Matrix: Soil	

482858-044 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.8**		mg/Kg	0.98	0.27	0.98	311301	04/07/23	04/07/23	JCP
Lead	**6.4**		mg/Kg	0.49	0.067	0.98	311301	04/07/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.5	0.42	0.84	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	86%		%REC	60-140		0.84	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	ND		mg/Kg	9.9	1.1	0.99	312026	04/18/23	04/19/23	BJG
ORO C28-C44	ND		mg/Kg	20	1.1	0.99	312026	04/18/23	04/19/23	BJG
Surrogates				**Limits**						
n-Triacontane	96%		%REC	70-130		0.99	312026	04/18/23	04/19/23	BJG
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311346	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311346	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311346	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311346	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311346	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311346	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311346	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311346	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311346	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311346	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.99	311346	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311346	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311346	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311346	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311346	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311346	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311346	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311346	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311346	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311346	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	73%		%REC	23-120		0.99	311346	04/07/23	04/09/23	MES
Decachlorobiphenyl	79%		%REC	24-120		0.99	311346	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-044 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
3-Chloropropene	ND		ug/Kg	4.2	1.1	0.85	311376	04/09/23	04/09/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	2.7	0.85	311376	04/09/23	04/09/23	LYZ
Freon 12	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
Chloromethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Bromomethane	ND		ug/Kg	4.2	1.2	0.85	311376	04/09/23	04/09/23	LYZ
Chloroethane	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
Acetone	ND		ug/Kg	85	17	0.85	311376	04/09/23	04/09/23	LYZ
Freon 113	ND		ug/Kg	4.2	0.9	0.85	311376	04/09/23	04/09/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Methylene Chloride	ND		ug/Kg	4.2	1.6	0.85	311376	04/09/23	04/09/23	LYZ
MTBE	ND		ug/Kg	4.2	0.9	0.85	311376	04/09/23	04/09/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
2-Butanone	ND		ug/Kg	85	17	0.85	311376	04/09/23	04/09/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.2	0.9	0.85	311376	04/09/23	04/09/23	LYZ
Chloroform	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Bromochloromethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Benzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Trichloroethene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Dibromomethane	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.2	1.5	0.85	311376	04/09/23	04/09/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
Toluene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.2	1.6	0.85	311376	04/09/23	04/09/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Chlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Ethylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.5	1.1	0.85	311376	04/09/23	04/09/23	LYZ
o-Xylene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Styrene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Bromoform	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-044 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Isopropylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Propylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Bromobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.2	1.2	0.85	311376	04/09/23	04/09/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Naphthalene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Xylene (total)	ND		ug/Kg	4.2		0.85	311376	04/09/23	04/09/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-145		0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dichloroethane-d4	115%		%REC	70-145		0.85	311376	04/09/23	04/09/23	LYZ
Toluene-d8	98%		%REC	70-145		0.85	311376	04/09/23	04/09/23	LYZ
Bromofluorobenzene	96%		%REC	70-145		0.85	311376	04/09/23	04/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: TB-230405	Lab ID: 482858-046	Collected: 04/05/23 14:45
	Matrix: Water	

482858-046 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	0.1	1	311371	04/08/23	04/08/23	EJB
Freon 12	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Chloromethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Chloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Acetone	ND		ug/L	100	17	1	311371	04/08/23	04/08/23	EJB
Freon 113	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Methylene Chloride	**0.6**	J	ug/L	5.0	0.5	1	311371	04/08/23	04/08/23	EJB
MTBE	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2-Butanone	ND		ug/L	100	0.6	1	311371	04/08/23	04/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Chloroform	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Benzene	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromodichloromethane	ND		ug/L	5.0	0.05	1	311371	04/08/23	04/08/23	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	311371	04/08/23	04/08/23	EJB
Toluene	**0.2**	J	ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Dibromochloromethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-046 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/L	10	0.2	1	311371	04/08/23	04/08/23	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Styrene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromoform	**3.2**	J	ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Bromobenzene	ND		ug/L	5.0	0.09	1	311371	04/08/23	04/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	311371	04/08/23	04/08/23	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
n-Butylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Xylene (total)	ND		ug/L	5.0		1	311371	04/08/23	04/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
1,2-Dichloroethane-d4	111%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
Toluene-d8	99%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
Bromofluorobenzene	103%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: EB-230405	Lab ID: 482858-047	Collected: 04/05/23 14:50
	Matrix: Water	

482858-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	ND		mg/L	0.030	0.021	1	311343	04/07/23	04/07/23	THP
Arsenic	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Barium	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Beryllium	ND		mg/L	0.0050	0.0013	1	311343	04/07/23	04/07/23	THP
Cadmium	ND		mg/L	0.0050	0.0010	1	311343	04/07/23	04/07/23	THP
Chromium	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Cobalt	ND		mg/L	0.0050	0.0010	1	311343	04/07/23	04/07/23	THP
Copper	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Lead	**0.0052**	B,J	mg/L	0.010	0.0024	1	311343	04/07/23	04/07/23	THP
Molybdenum	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Nickel	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Selenium	ND		mg/L	0.030	0.0060	1	311343	04/07/23	04/07/23	THP
Silver	ND		mg/L	0.0050	0.0034	1	311343	04/07/23	04/07/23	THP
Thallium	ND		mg/L	0.030	0.010	1	311343	04/07/23	04/07/23	THP
Vanadium	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Zinc	ND		mg/L	0.050	0.010	1	311343	04/07/23	04/07/23	THP
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	0.033	1	311291	04/07/23	04/07/23	KAM
Method: EPA 8015B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50	26	1	311206	04/06/23	04/06/23	SXR
Surrogates				**Limits**						
Bromofluorobenzene (FID)	90%		%REC	60-140		1	311206	04/06/23	04/06/23	SXR
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
beta-BHC	ND		ug/L	0.05	0.008	0.94	311399	04/09/23	04/09/23	TRN
gamma-BHC	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
delta-BHC	ND		ug/L	0.05	0.007	0.94	311399	04/09/23	04/09/23	TRN
Heptachlor	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Aldrin	ND		ug/L	0.05	0.02	0.94	311399	04/09/23	04/09/23	TRN
Heptachlor epoxide	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan I	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Dieldrin	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDE	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endrin	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan II	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan sulfate	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDD	ND		ug/L	0.09	0.03	0.94	311399	04/09/23	04/09/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
Endrin ketone	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDT	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
Methoxychlor	ND		ug/L	0.09	0.03	0.94	311399	04/09/23	04/09/23	TRN
Toxaphene	ND		ug/L	1.9	0.3	0.94	311399	04/09/23	04/09/23	TRN
Chlordane (Technical)	ND		ug/L	0.9	0.3	0.94	311399	04/09/23	04/09/23	TRN
Surrogates				**Limits**						
TCMX	79%		%REC	14-120		0.94	311399	04/09/23	04/09/23	TRN
Decachlorobiphenyl	81%		%REC	20-120		0.94	311399	04/09/23	04/09/23	TRN
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.47	0.14	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1221	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1232	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1242	ND		ug/L	0.47	0.16	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1248	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1254	ND		ug/L	0.47	0.26	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1260	ND		ug/L	0.47	0.19	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1262	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1268	ND		ug/L	0.47	0.12	0.94	311399	04/09/23	04/09/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	101%		%REC	18-126		0.94	311399	04/09/23	04/09/23	TRN
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Freon 12	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Chloromethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Chloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Acetone	ND		ug/L	100	17	1	311371	04/08/23	04/08/23	EJB
Freon 113	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Methylene Chloride	**0.5**	J	ug/L	5.0	0.5	1	311371	04/08/23	04/08/23	EJB
MTBE	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2-Butanone	ND		ug/L	100	0.6	1	311371	04/08/23	04/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Chloroform	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Benzene	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromodichloromethane	ND		ug/L	5.0	0.05	1	311371	04/08/23	04/08/23	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	311371	04/08/23	04/08/23	EJB
Toluene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Dibromochloromethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	311371	04/08/23	04/08/23	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Styrene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromoform	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Bromobenzene	ND		ug/L	5.0	0.09	1	311371	04/08/23	04/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	311371	04/08/23	04/08/23	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
n-Butylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Xylene (total)	ND		ug/L	5.0		1	311371	04/08/23	04/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
1,2-Dichloroethane-d4	108%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
Toluene-d8	101%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
Bromofluorobenzene	103%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	0.47	0.34	0.94	311404	04/09/23	04/10/23	VTN
2-Methylnaphthalene	ND		ug/L	0.47	0.35	0.94	311404	04/09/23	04/10/23	VTN
Naphthalene	ND		ug/L	0.47	0.35	0.94	311404	04/09/23	04/10/23	VTN
Acenaphthylene	ND		ug/L	0.47	0.33	0.94	311404	04/09/23	04/10/23	VTN
Acenaphthene	ND		ug/L	0.47	0.31	0.94	311404	04/09/23	04/10/23	VTN
Fluorene	ND		ug/L	0.47	0.33	0.94	311404	04/09/23	04/10/23	VTN
Phenanthrene	ND		ug/L	0.47	0.26	0.94	311404	04/09/23	04/10/23	VTN
Anthracene	ND		ug/L	0.47	0.25	0.94	311404	04/09/23	04/10/23	VTN
Fluoranthene	ND		ug/L	0.47	0.29	0.94	311404	04/09/23	04/10/23	VTN
Pyrene	ND		ug/L	0.47	0.30	0.94	311404	04/09/23	04/10/23	VTN
Benzo(a)anthracene	ND		ug/L	0.47	0.26	0.94	311404	04/09/23	04/10/23	VTN
Chrysene	ND		ug/L	0.47	0.29	0.94	311404	04/09/23	04/10/23	VTN
Benzo(b)fluoranthene	ND		ug/L	0.47	0.29	0.94	311404	04/09/23	04/10/23	VTN
Benzo(k)fluoranthene	ND		ug/L	0.47	0.31	0.94	311404	04/09/23	04/10/23	VTN
Benzo(a)pyrene	ND		ug/L	0.47	0.27	0.94	311404	04/09/23	04/10/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.47	0.27	0.94	311404	04/09/23	04/10/23	VTN
Dibenz(a,h)anthracene	ND		ug/L	0.47	0.26	0.94	311404	04/09/23	04/10/23	VTN
Benzo(g,h,i)perylene	ND		ug/L	0.47	0.27	0.94	311404	04/09/23	04/10/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	68%		%REC	16-125		0.94	311404	04/09/23	04/10/23	VTN
2-Fluorobiphenyl	65%		%REC	17-120		0.94	311404	04/09/23	04/10/23	VTN
Terphenyl-d14	78%		%REC	39-123		0.94	311404	04/09/23	04/10/23	VTN

B Contamination found in associated Method Blank
C Presence confirmed, but RPD between columns exceeds 40%
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1057142	Batch: 311343
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1057142 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/L	0.030	0.021	04/07/23	04/07/23
Arsenic	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Barium	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Beryllium	ND		mg/L	0.0050	0.0013	04/07/23	04/07/23
Cadmium	ND		mg/L	0.0050	0.0010	04/07/23	04/07/23
Chromium	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Cobalt	ND		mg/L	0.0050	0.0010	04/07/23	04/07/23
Copper	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Lead	0.0041	J	mg/L	0.010	0.0024	04/07/23	04/07/23
Molybdenum	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Nickel	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Selenium	ND		mg/L	0.030	0.0060	04/07/23	04/07/23
Silver	ND		mg/L	0.0050	0.0034	04/07/23	04/07/23
Thallium	ND		mg/L	0.030	0.010	04/07/23	04/07/23
Vanadium	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Zinc	ND		mg/L	0.050	0.010	04/07/23	04/07/23

Type: Lab Control Sample	Lab ID: QC1057143	Batch: 311343
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1057143 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	0.3899	0.4000	mg/L	97%		80-120
Arsenic	0.3676	0.4000	mg/L	92%		80-120
Barium	0.3973	0.4000	mg/L	99%		80-120
Beryllium	0.3913	0.4000	mg/L	98%		80-120
Cadmium	0.4020	0.4000	mg/L	100%		80-120
Chromium	0.4025	0.4000	mg/L	101%		80-120
Cobalt	0.3986	0.4000	mg/L	100%		80-120
Copper	0.3657	0.4000	mg/L	91%		80-120
Lead	0.3924	0.4000	mg/L	98%		80-120
Molybdenum	0.3945	0.4000	mg/L	99%		80-120
Nickel	0.3890	0.4000	mg/L	97%		80-120
Selenium	0.3586	0.4000	mg/L	90%		80-120
Silver	0.1828	0.2000	mg/L	91%		80-120
Thallium	0.3841	0.4000	mg/L	96%		80-120
Vanadium	0.3999	0.4000	mg/L	100%		80-120
Zinc	0.4033	0.4000	mg/L	101%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1057144	Batch:	311343
Matrix (Source ID):	Water (482854-008)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1057144 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.3992	ND	0.4000	mg/L	100%		75-125	1
Arsenic	0.3790	ND	0.4000	mg/L	95%		75-125	1
Barium	0.4113	ND	0.4000	mg/L	103%		75-125	1
Beryllium	0.4026	ND	0.4000	mg/L	101%		75-125	1
Cadmium	0.4134	ND	0.4000	mg/L	103%		75-125	1
Chromium	0.4196	0.003160	0.4000	mg/L	104%		75-125	1
Cobalt	0.4106	ND	0.4000	mg/L	103%		75-125	1
Copper	0.3791	ND	0.4000	mg/L	95%		75-125	1
Lead	0.4040	0.003567	0.4000	mg/L	100%		75-125	1
Molybdenum	0.4076	ND	0.4000	mg/L	102%		75-125	1
Nickel	0.4014	ND	0.4000	mg/L	100%		75-125	1
Selenium	0.3701	ND	0.4000	mg/L	93%		75-125	1
Silver	0.1906	ND	0.2000	mg/L	95%		75-125	1
Thallium	0.3938	ND	0.4000	mg/L	98%		75-125	1
Vanadium	0.4127	ND	0.4000	mg/L	103%		75-125	1
Zinc	0.4167	ND	0.4000	mg/L	104%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1057145	Batch:	311343
Matrix (Source ID):	Water (482854-008)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1057145 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.3985	ND	0.4000	mg/L	100%		75-125	0	20	1
Arsenic	0.3795	ND	0.4000	mg/L	95%		75-125	0	20	1
Barium	0.4070	ND	0.4000	mg/L	102%		75-125	1	20	1
Beryllium	0.4022	ND	0.4000	mg/L	101%		75-125	0	20	1
Cadmium	0.4130	ND	0.4000	mg/L	103%		75-125	0	20	1
Chromium	0.4179	0.003160	0.4000	mg/L	104%		75-125	0	20	1
Cobalt	0.4092	ND	0.4000	mg/L	102%		75-125	0	20	1
Copper	0.3766	ND	0.4000	mg/L	94%		75-125	1	20	1
Lead	0.4020	0.003567	0.4000	mg/L	100%		75-125	0	20	1
Molybdenum	0.4068	ND	0.4000	mg/L	102%		75-125	0	20	1
Nickel	0.4001	ND	0.4000	mg/L	100%		75-125	0	20	1
Selenium	0.3710	ND	0.4000	mg/L	93%		75-125	0	20	1
Silver	0.1881	ND	0.2000	mg/L	94%		75-125	1	20	1
Thallium	0.3902	ND	0.4000	mg/L	98%		75-125	1	20	1
Vanadium	0.4112	ND	0.4000	mg/L	103%		75-125	0	20	1
Zinc	0.4152	ND	0.4000	mg/L	104%		75-125	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1057146	Batch:	311343
Matrix (Source ID):	Water (482917-004)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1057146 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.3903	ND	0.4000	mg/L	98%		75-125	1
Arsenic	0.3738	ND	0.4000	mg/L	93%		75-125	1
Barium	0.4342	0.03067	0.4000	mg/L	101%		75-125	1
Beryllium	0.3895	ND	0.4000	mg/L	97%		75-125	1
Cadmium	0.3967	ND	0.4000	mg/L	99%		75-125	1
Chromium	0.4001	ND	0.4000	mg/L	100%		75-125	1
Cobalt	0.3982	ND	0.4000	mg/L	100%		75-125	1
Copper	0.4788	0.09934	0.4000	mg/L	95%		75-125	1
Lead	0.3942	0.008474	0.4000	mg/L	96%		75-125	1
Molybdenum	0.3976	0.004857	0.4000	mg/L	98%		75-125	1
Nickel	0.4002	0.01030	0.4000	mg/L	97%		75-125	1
Selenium	0.3566	ND	0.4000	mg/L	89%		75-125	1
Silver	0.1867	ND	0.2000	mg/L	93%		75-125	1
Thallium	0.3803	ND	0.4000	mg/L	95%		75-125	1
Vanadium	0.4030	0.004841	0.4000	mg/L	100%		75-125	1
Zinc	0.5023	0.1077	0.4000	mg/L	99%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1057147	Batch:	311343
Matrix (Source ID):	Water (482917-004)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1057147 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.3993	ND	0.4000	mg/L	100%		75-125	2	20	1
Arsenic	0.3784	ND	0.4000	mg/L	95%		75-125	1	20	1
Barium	0.4310	0.03067	0.4000	mg/L	100%		75-125	1	20	1
Beryllium	0.3956	ND	0.4000	mg/L	99%		75-125	2	20	1
Cadmium	0.4048	ND	0.4000	mg/L	101%		75-125	2	20	1
Chromium	0.4062	ND	0.4000	mg/L	102%		75-125	2	20	1
Cobalt	0.4035	ND	0.4000	mg/L	101%		75-125	1	20	1
Copper	0.4865	0.09934	0.4000	mg/L	97%		75-125	2	20	1
Lead	0.3983	0.008474	0.4000	mg/L	97%		75-125	1	20	1
Molybdenum	0.4036	0.004857	0.4000	mg/L	100%		75-125	1	20	1
Nickel	0.3962	0.01030	0.4000	mg/L	96%		75-125	1	20	1
Selenium	0.3644	ND	0.4000	mg/L	91%		75-125	2	20	1
Silver	0.1868	ND	0.2000	mg/L	93%		75-125	0	20	1
Thallium	0.3812	ND	0.4000	mg/L	95%		75-125	0	20	1
Vanadium	0.4089	0.004841	0.4000	mg/L	101%		75-125	1	20	1
Zinc	0.5123	0.1077	0.4000	mg/L	101%		75-125	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1059935	Batch: 312183
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1059935 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.015	0.0036	04/20/23	04/21/23

Type: Lab Control Sample	Lab ID: QC1059936	Batch: 312183
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1059936 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	1.862	2.000	mg/L	93%		80-120

Type: Matrix Spike	Lab ID: QC1060013	Batch: 312183
Matrix (Source ID): TCLP Leachate (482542-024)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1060013 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	1.858	ND	2.000	mg/L	93%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1060014	Batch: 312183
Matrix (Source ID): TCLP Leachate (482542-024)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1060014 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	1.892	ND	2.000	mg/L	95%		75-125	2	20	1

Type: Blank	Lab ID: QC1059160	Batch: 311941
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1059160 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.15	0.036	04/20/23	04/20/23

Type: Lab Control Sample	Lab ID: QC1059161	Batch: 311941
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1059161 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	4.394	4.000	mg/L	110%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1059162**	**Batch:**	**311941**
Matrix:	**WET Leachate**	**Method:**	**EPA 6010B**	**Prep Method:**	**METHOD**

QC1059162 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Lead	4.460	4.000	mg/L	111%		80-120	1	20

Type:	**Blank**	**Lab ID:**	**QC1057000**	**Batch:**	**311307**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1057000 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	0.52	04/07/23	04/08/23
Barium	ND		mg/Kg	1.0	0.081	04/07/23	04/08/23
Beryllium	ND		mg/Kg	0.50	0.34	04/07/23	04/08/23
Cadmium	ND		mg/Kg	0.50	0.067	04/07/23	04/08/23
Chromium	0.097	J	mg/Kg	1.0	0.095	04/07/23	04/08/23
Cobalt	ND		mg/Kg	0.50	0.14	04/07/23	04/08/23
Copper	ND		mg/Kg	1.0	0.26	04/07/23	04/08/23
Molybdenum	ND		mg/Kg	1.0	0.37	04/07/23	04/08/23
Nickel	ND		mg/Kg	1.0	0.27	04/07/23	04/08/23
Selenium	ND		mg/Kg	3.0	0.34	04/07/23	04/08/23
Silver	ND		mg/Kg	0.50	0.12	04/07/23	04/08/23
Thallium	ND		mg/Kg	3.0	0.57	04/07/23	04/08/23
Vanadium	ND		mg/Kg	1.0	0.32	04/07/23	04/08/23
Zinc	3.3	J	mg/Kg	5.0	0.28	04/07/23	04/08/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057001**	**Batch:**	**311307**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1057001 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	99.79	100.0	mg/Kg	100%		80-120
Barium	104.7	100.0	mg/Kg	105%		80-120
Beryllium	101.9	100.0	mg/Kg	102%		80-120
Cadmium	98.60	100.0	mg/Kg	99%		80-120
Chromium	103.6	100.0	mg/Kg	104%		80-120
Cobalt	103.3	100.0	mg/Kg	103%		80-120
Copper	108.2	100.0	mg/Kg	108%		80-120
Molybdenum	97.49	100.0	mg/Kg	97%		80-120
Nickel	105.2	100.0	mg/Kg	105%		80-120
Selenium	86.95	100.0	mg/Kg	87%		80-120
Silver	48.09	50.00	mg/Kg	96%		80-120
Thallium	105.7	100.0	mg/Kg	106%		80-120
Vanadium	96.91	100.0	mg/Kg	97%		80-120
Zinc	89.26	100.0	mg/Kg	89%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1057002	Batch:	311307
Matrix (Source ID):	Soil (482850-004)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1057002 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	44.27	0.6271	97.09	mg/Kg	45%	*	75-125	0.97
Barium	146.5	46.83	97.09	mg/Kg	103%		75-125	0.97
Beryllium	96.05	ND	97.09	mg/Kg	99%		75-125	0.97
Cadmium	94.83	ND	97.09	mg/Kg	98%		75-125	0.97
Chromium	124.6	24.88	97.09	mg/Kg	103%		75-125	0.97
Cobalt	99.29	5.857	97.09	mg/Kg	96%		75-125	0.97
Copper	121.4	12.60	97.09	mg/Kg	112%		75-125	0.97
Molybdenum	90.95	0.8883	97.09	mg/Kg	93%		75-125	0.97
Nickel	103.5	8.296	97.09	mg/Kg	98%		75-125	0.97
Selenium	83.60	ND	97.09	mg/Kg	86%		75-125	0.97
Silver	46.17	ND	48.54	mg/Kg	95%		75-125	0.97
Thallium	94.61	ND	97.09	mg/Kg	97%		75-125	0.97
Vanadium	130.8	38.20	97.09	mg/Kg	95%		75-125	0.97
Zinc	116.8	39.13	97.09	mg/Kg	80%		75-125	0.97

Type:	Matrix Spike Duplicate	Lab ID:	QC1057003	Batch:	311307
Matrix (Source ID):	Soil (482850-004)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1057003 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	42.17	0.6271	96.15	mg/Kg	43%	*	75-125	4	41	0.96
Barium	147.7	46.83	96.15	mg/Kg	105%		75-125	1	20	0.96
Beryllium	95.36	ND	96.15	mg/Kg	99%		75-125	0	20	0.96
Cadmium	93.03	ND	96.15	mg/Kg	97%		75-125	1	20	0.96
Chromium	118.1	24.88	96.15	mg/Kg	97%		75-125	5	20	0.96
Cobalt	96.92	5.857	96.15	mg/Kg	95%		75-125	2	20	0.96
Copper	119.7	12.60	96.15	mg/Kg	111%		75-125	1	20	0.96
Molybdenum	88.74	0.8883	96.15	mg/Kg	91%		75-125	2	20	0.96
Nickel	100.1	8.296	96.15	mg/Kg	95%		75-125	2	20	0.96
Selenium	80.42	ND	96.15	mg/Kg	84%		75-125	3	20	0.96
Silver	45.89	ND	48.08	mg/Kg	95%		75-125	0	20	0.96
Thallium	91.82	ND	96.15	mg/Kg	95%		75-125	2	20	0.96
Vanadium	131.9	38.20	96.15	mg/Kg	97%		75-125	2	20	0.96
Zinc	116.7	39.13	96.15	mg/Kg	81%		75-125	1	20	0.96

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056837	Batch: 311260
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056837 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.28	04/06/23	04/07/23
Lead	0.11	J	mg/Kg	0.50	0.068	04/06/23	04/07/23
Thallium	ND		mg/Kg	1.0	0.14	04/06/23	04/07/23

Type: Lab Control Sample	Lab ID: QC1056838	Batch: 311260
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056838 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	108.5	100.0	mg/Kg	109%		80-120
Lead	98.20	100.0	mg/Kg	98%		80-120
Thallium	96.87	100.0	mg/Kg	97%		80-120

Type: Matrix Spike	Lab ID: QC1056839	Batch: 311260
Matrix (Source ID): Soil (482862-001)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056839 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	110.1	8.611	97.09	mg/Kg	105%		75-125	0.97
Lead	104.9	14.19	97.09	mg/Kg	93%		75-125	0.97
Thallium	93.57	0.2299	97.09	mg/Kg	96%		75-125	0.97

Type: Matrix Spike Duplicate	Lab ID: QC1056840	Batch: 311260
Matrix (Source ID): Soil (482862-001)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056840 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	105.7	8.611	96.15	mg/Kg	101%		75-125	3	20	0.96
Lead	96.86	14.19	96.15	mg/Kg	86%		75-125	7	20	0.96
Thallium	93.19	0.2299	96.15	mg/Kg	97%		75-125	1	20	0.96

Type: Blank	Lab ID: QC1056986	Batch: 311301
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056986 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	0.98	0.27	04/07/23	04/07/23
Lead	0.15	J	mg/Kg	0.49	0.067	04/07/23	04/07/23
Thallium	ND		mg/Kg	0.98	0.14	04/07/23	04/07/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056987**	**Batch:**	**311301**
Matrix:	**Soil**	**Method:**	**EPA 6020**	**Prep Method:**	**EPA 3050B**

QC1056987 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	53.19	49.02	mg/Kg	108%		80-120
Lead	51.78	49.02	mg/Kg	106%		80-120
Thallium	50.53	49.02	mg/Kg	103%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1056988**	**Batch:**	**311301**
Matrix (Source ID):	**Soil (482858-021)**	**Method:**	**EPA 6020**	**Prep Method:**	**EPA 3050B**

QC1056988 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	55.14	4.718	48.54	mg/Kg	104%		75-125	0.97
Lead	53.39	5.751	48.54	mg/Kg	98%		75-125	0.97
Thallium	47.67	0.2469	48.54	mg/Kg	98%		75-125	0.97

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056989**	**Batch:**	**311301**
Matrix (Source ID):	**Soil (482858-021)**	**Method:**	**EPA 6020**	**Prep Method:**	**EPA 3050B**

QC1056989 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	55.03	4.718	48.08	mg/Kg	105%		75-125	1	20	0.96
Lead	53.14	5.751	48.08	mg/Kg	99%		75-125	0	20	0.96
Thallium	47.49	0.2469	48.08	mg/Kg	98%		75-125	1	20	0.96

Type:	**Blank**	**Lab ID:**	**QC1056947**	**Batch:**	**311291**
Matrix:	**Water**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1056947 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.033	04/07/23	04/07/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056948**	**Batch:**	**311291**
Matrix:	**Water**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1056948 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.622	5.000	ug/L	92%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1056949	Batch:	311291
Matrix (Source ID):	Water (482854-007)	Method:	EPA 7470A	Prep Method:	METHOD

QC1056949 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.610	ND	5.000	ug/L	92%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1056950	Batch:	311291
Matrix (Source ID):	Water (482854-007)	Method:	EPA 7470A	Prep Method:	METHOD

QC1056950 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.626	ND	5.000	ug/L	93%		75-125	0	20	1

Type:	Blank	Lab ID:	QC1056967	Batch:	311296
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC1056967 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.0050	04/07/23	04/07/23

Type:	Lab Control Sample	Lab ID:	QC1056968	Batch:	311296
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC1056968 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8070	0.8333	mg/Kg	97%		80-120

Type:	Matrix Spike	Lab ID:	QC1056969	Batch:	311296
Matrix (Source ID):	Soil (482863-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1056969 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9135	0.02127	0.9615	mg/Kg	93%		75-125	1.2

Type:	Matrix Spike Duplicate	Lab ID:	QC1056970	Batch:	311296
Matrix (Source ID):	Soil (482863-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1056970 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8615	0.02127	0.8621	mg/Kg	97%		75-125	5	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056715**	**Batch:**	**311206**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1056715 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	557.1	500.0	ug/L	111%		70-130
Surrogates						
Bromofluorobenzene (FID)	213.2	200.0	ug/L	107%		60-140

Type:	**Blank**	**Lab ID:**	**QC1056716**	**Batch:**	**311206**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1056716 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	26	04/06/23	04/06/23
Surrogates				**Limits**			
Bromofluorobenzene (FID)	95%		%REC	60-140		04/06/23	04/06/23

Type:	**Matrix Spike**	**Lab ID:**	**QC1056734**	**Batch:**	**311206**
Matrix (Source ID):	**Water (482733-003)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1056734 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	9,086	3031	5000	ug/L	121%		70-130	10
Surrogates								
Bromofluorobenzene (FID)	2,123		2000	ug/L	106%		60-140	10

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056735**	**Batch:**	**311206**
Matrix (Source ID):	**Water (482733-003)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1056735 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	9,294	3031	5000	ug/L	125%		70-130	2	30	10
Surrogates										
Bromofluorobenzene (FID)	2,206		2000	ug/L	110%		60-140			10

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056706**	**Batch:**	**311204**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5035**

QC1056706 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	5.032	5.000	mg/Kg	101%		70-130
Surrogates						
Bromofluorobenzene (FID)	0.2255	0.2000	mg/Kg	113%		60-140

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1056707	Batch:	311204
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 5035

QC1056707 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	5.024	5.000	mg/Kg	100%		70-130	0	20
Surrogates								
Bromofluorobenzene (FID)	0.2235	0.2000	mg/Kg	112%		60-140		

Type:	Blank	Lab ID:	QC1056708	Batch:	311204
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 5035

QC1056708 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	75	7.6	04/06/23	04/06/23
Surrogates				**Limits**			
Bromofluorobenzene (FID)	85%		%REC	60-140		04/06/23	04/06/23

Type:	Blank	Lab ID:	QC1056709	Batch:	311204
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 5035

QC1056709 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	0.50	04/06/23	04/06/23
Surrogates				**Limits**			
Bromofluorobenzene (FID)	71%		%REC	60-140		04/06/23	04/06/23

Type:	Blank	Lab ID:	QC1059420	Batch:	312026
Matrix:	Soil	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1059420 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
DRO C10-C28	ND		mg/Kg	9.9	1.1	04/18/23	04/18/23
ORO C28-C44	1.1	J	mg/Kg	20	1.1	04/18/23	04/18/23
Surrogates				**Limits**			
n-Triacontane	92%		%REC	70-130		04/18/23	04/18/23

Type:	Lab Control Sample	Lab ID:	QC1059421	Batch:	312026
Matrix:	Soil	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1059421 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	223.4	248.5	mg/Kg	90%		76-122
Surrogates						
n-Triacontane	9.179	9.940	mg/Kg	92%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1059422	Batch:	312026
Matrix (Source ID):	Soil (483380-005)	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1059422 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	219.1	ND	248.0	mg/Kg	88%		62-126	0.99
Surrogates								
n-Triacontane	9.155		9.921	mg/Kg	92%		70-130	0.99

Type:	Matrix Spike Duplicate	Lab ID:	QC1059423	Batch:	312026
Matrix (Source ID):	Soil (483380-005)	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1059423 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	215.9	ND	248.0	mg/Kg	87%		62-126	1	35	0.99
Surrogates										
n-Triacontane	9.172		9.921	mg/Kg	92%		70-130			0.99

Type:	Blank	Lab ID:	QC1059678	Batch:	312108
Matrix:	Soil	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1059678 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
DRO C10-C28	ND		mg/Kg	9.9	1.1	04/19/23	04/20/23
ORO C28-C44	ND		mg/Kg	20	1.1	04/19/23	04/20/23
Surrogates				**Limits**			
n-Triacontane	97%		%REC	70-130		04/19/23	04/20/23

Type:	Lab Control Sample	Lab ID:	QC1059679	Batch:	312108
Matrix:	Soil	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1059679 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	213.1	248.3	mg/Kg	86%		76-122
Surrogates						
n-Triacontane	9.670	9.930	mg/Kg	97%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1059680**	**Batch:**	**312108**
Matrix (Source ID):	**Soil (483588-012)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059680 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	223.1	ND	248.0	mg/Kg	90%		62-126	0.99
Surrogates								
n-Triacontane	9.542		9.921	mg/Kg	96%		70-130	0.99

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1059681**	**Batch:**	**312108**
Matrix (Source ID):	**Soil (483588-012)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059681 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	214.3	ND	248.0	mg/Kg	86%		62-126	4	35	0.99
Surrogates										
n-Triacontane	9.167		9.921	mg/Kg	92%		70-130			0.99

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1057152	Batch: 311346
Matrix: Miscell.	Method: EPA 8081A	Prep Method: EPA 3546

QC1057152 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	1.2	04/07/23	04/09/23
beta-BHC	ND		ug/Kg	5.0	1.7	04/07/23	04/09/23
gamma-BHC	ND		ug/Kg	5.0	1.0	04/07/23	04/09/23
delta-BHC	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
Heptachlor	ND		ug/Kg	5.0	1.5	04/07/23	04/09/23
Aldrin	ND		ug/Kg	5.0	1.3	04/07/23	04/09/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	04/07/23	04/09/23
Endosulfan I	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
Dieldrin	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
Endrin	ND		ug/Kg	5.0	1.6	04/07/23	04/09/23
Endosulfan II	ND		ug/Kg	5.0	1.6	04/07/23	04/09/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	04/07/23	04/09/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	04/07/23	04/09/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	04/07/23	04/09/23
Endrin ketone	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
Methoxychlor	ND		ug/Kg	10	5.1	04/07/23	04/09/23
Toxaphene	ND		ug/Kg	100	15	04/07/23	04/09/23
Chlordane (Technical)	ND		ug/Kg	50	11	04/07/23	04/09/23
Surrogates				**Limits**			
TCMX	78%		%REC	23-120		04/07/23	04/09/23
Decachlorobiphenyl	95%		%REC	24-120		04/07/23	04/09/23

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1057153	Batch:	311346
Matrix:	Miscell.	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1057153 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	46.20	49.41	ug/Kg	94%		22-129
beta-BHC	48.74	49.41	ug/Kg	99%		28-125
gamma-BHC	46.35	49.41	ug/Kg	94%		22-128
delta-BHC	49.04	49.41	ug/Kg	99%		24-131
Heptachlor	48.72	49.41	ug/Kg	99%		18-124
Aldrin	42.93	49.41	ug/Kg	87%		23-120
Heptachlor epoxide	51.53	49.41	ug/Kg	104%		26-120
Endosulfan I	52.47	49.41	ug/Kg	106%		25-126
Dieldrin	52.10	49.41	ug/Kg	105%		23-124
4,4'-DDE	54.61	49.41	ug/Kg	111%		28-121
Endrin	58.34	49.41	ug/Kg	118%		25-127
Endosulfan II	52.59	49.41	ug/Kg	106%		29-121
Endosulfan sulfate	51.94	49.41	ug/Kg	105%		30-121
4,4'-DDD	57.44	49.41	ug/Kg	116%		26-120
Endrin aldehyde	29.22	49.41	ug/Kg	59%		10-120
Endrin ketone	53.10	49.41	ug/Kg	107%		28-125
4,4'-DDT	52.91	49.41	ug/Kg	107%		22-125
Methoxychlor	57.73	49.41	ug/Kg	117%		28-130
Surrogates						
TCMX	39.96	49.41	ug/Kg	81%		23-120
Decachlorobiphenyl	51.17	49.41	ug/Kg	104%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1057187**	**Batch:**	**311346**
Matrix (Source ID):	**Soil (482860-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1057187 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	44.71	ND	49.36	ug/Kg	91%		46-120	0.99
beta-BHC	47.54	ND	49.36	ug/Kg	96%		41-120	0.99
gamma-BHC	44.86	ND	49.36	ug/Kg	91%		41-120	0.99
delta-BHC	45.50	ND	49.36	ug/Kg	92%		38-123	0.99
Heptachlor	47.39	ND	49.36	ug/Kg	96%		39-120	0.99
Aldrin	44.06	ND	49.36	ug/Kg	89%		34-120	0.99
Heptachlor epoxide	48.51	ND	49.36	ug/Kg	98%		43-120	0.99
Endosulfan I	50.19	ND	49.36	ug/Kg	102%		45-120	0.99
Dieldrin	48.52	ND	49.36	ug/Kg	98%		45-120	0.99
4,4'-DDE	51.80	ND	49.36	ug/Kg	105%		34-120	0.99
Endrin	54.96	ND	49.36	ug/Kg	111%		40-120	0.99
Endosulfan II	50.50	ND	49.36	ug/Kg	102%		41-120	0.99
Endosulfan sulfate	50.41	ND	49.36	ug/Kg	102%		42-120	0.99
4,4'-DDD	54.52	ND	49.36	ug/Kg	110%		41-120	0.99
Endrin aldehyde	41.02	ND	49.36	ug/Kg	83%		30-120	0.99
Endrin ketone	50.64	ND	49.36	ug/Kg	103%		45-120	0.99
4,4'-DDT	54.10	ND	49.36	ug/Kg	110%		35-127	0.99
Methoxychlor	57.14	ND	49.36	ug/Kg	116%		42-136	0.99
Surrogates								
TCMX	38.38		49.36	ug/Kg	78%		23-120	0.99
Decachlorobiphenyl	49.63		49.36	ug/Kg	101%		24-120	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1057188**	**Batch:**	**311346**
Matrix (Source ID):	**Soil (482860-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1057188 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	45.69	ND	50.20	ug/Kg	91%		46-120	0	30	1
beta-BHC	49.57	ND	50.20	ug/Kg	99%		41-120	2	30	1
gamma-BHC	46.08	ND	50.20	ug/Kg	92%		41-120	1	30	1
delta-BHC	47.09	ND	50.20	ug/Kg	94%		38-123	2	30	1
Heptachlor	49.29	ND	50.20	ug/Kg	98%		39-120	2	30	1
Aldrin	45.80	ND	50.20	ug/Kg	91%		34-120	2	30	1
Heptachlor epoxide	50.70	ND	50.20	ug/Kg	101%		43-120	3	30	1
Endosulfan I	53.06	ND	50.20	ug/Kg	106%		45-120	4	30	1
Dieldrin	51.25	ND	50.20	ug/Kg	102%		45-120	4	30	1
4,4'-DDE	54.79	ND	50.20	ug/Kg	109%		34-120	4	30	1
Endrin	59.10	ND	50.20	ug/Kg	118%		40-120	6	30	1
Endosulfan II	53.91	ND	50.20	ug/Kg	107%		41-120	5	30	1
Endosulfan sulfate	53.79	ND	50.20	ug/Kg	107%		42-120	5	30	1
4,4'-DDD	58.19	ND	50.20	ug/Kg	116%		41-120	5	30	1
Endrin aldehyde	43.45	ND	50.20	ug/Kg	87%		30-120	4	30	1
Endrin ketone	53.57	ND	50.20	ug/Kg	107%		45-120	4	30	1
4,4'-DDT	57.67	ND	50.20	ug/Kg	115%		35-127	5	30	1
Methoxychlor	60.48	ND	50.20	ug/Kg	120%		42-136	4	30	1
Surrogates										
TCMX	38.44		50.20	ug/Kg	77%		23-120			1
Decachlorobiphenyl	51.71		50.20	ug/Kg	103%		24-120			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1057353	Batch: 311399
Matrix: Water		

QC1057353 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.01	04/09/23	04/09/23
beta-BHC	ND		ug/L	0.05	0.008	04/09/23	04/09/23
gamma-BHC	ND		ug/L	0.05	0.01	04/09/23	04/09/23
delta-BHC	ND		ug/L	0.05	0.007	04/09/23	04/09/23
Heptachlor	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Aldrin	ND		ug/L	0.05	0.02	04/09/23	04/09/23
Heptachlor epoxide	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Endosulfan I	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Dieldrin	ND		ug/L	0.1	0.01	04/09/23	04/09/23
4,4'-DDE	ND		ug/L	0.1	0.01	04/09/23	04/09/23
Endrin	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endosulfan II	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endosulfan sulfate	ND		ug/L	0.1	0.02	04/09/23	04/09/23
4,4'-DDD	ND		ug/L	0.1	0.03	04/09/23	04/09/23
Endrin aldehyde	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endrin ketone	ND		ug/L	0.1	0.02	04/09/23	04/09/23
4,4'-DDT	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Methoxychlor	ND		ug/L	0.1	0.03	04/09/23	04/09/23
Toxaphene	ND		ug/L	2.0	0.3	04/09/23	04/09/23
Chlordane (Technical)	ND		ug/L	1.0	0.3	04/09/23	04/09/23
Surrogates				**Limits**			
TCMX	74%		%REC	14-120		04/09/23	04/09/23
Decachlorobiphenyl	87%		%REC	20-120		04/09/23	04/09/23
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.15	04/09/23	04/09/23
Aroclor-1221	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1232	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1242	ND		ug/L	0.50	0.17	04/09/23	04/09/23
Aroclor-1248	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1254	ND		ug/L	0.50	0.27	04/09/23	04/09/23
Aroclor-1260	ND		ug/L	0.50	0.20	04/09/23	04/09/23
Aroclor-1262	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1268	ND		ug/L	0.50	0.12	04/09/23	04/09/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	108%		%REC	18-126		04/09/23	04/09/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057354**	**Batch:**	**311399**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1057354 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5565	0.5000	ug/L	111%		53-120
beta-BHC	0.5279	0.5000	ug/L	106%		59-120
gamma-BHC	0.5396	0.5000	ug/L	108%		54-120
delta-BHC	0.5573	0.5000	ug/L	111%		58-120
Heptachlor	0.5233	0.5000	ug/L	105%		49-120
Aldrin	0.5189	0.5000	ug/L	104%		47-120
Heptachlor epoxide	0.5439	0.5000	ug/L	109%		53-120
Endosulfan I	0.5626	0.5000	ug/L	113%		56-120
Dieldrin	0.5143	0.5000	ug/L	103%		55-120
4,4'-DDE	0.5372	0.5000	ug/L	107%		55-120
Endrin	0.5499	0.5000	ug/L	110%		57-120
Endosulfan II	0.5249	0.5000	ug/L	105%		58-120
Endosulfan sulfate	0.4922	0.5000	ug/L	98%		56-120
4,4'-DDD	0.5456	0.5000	ug/L	109%		53-120
Endrin aldehyde	0.4481	0.5000	ug/L	90%		45-120
Endrin ketone	0.5069	0.5000	ug/L	101%		61-120
4,4'-DDT	0.4926	0.5000	ug/L	99%		58-120
Methoxychlor	0.4710	0.5000	ug/L	94%	#	54-120
Surrogates						
TCMX	0.3222	0.5000	ug/L	64%		14-120
Decachlorobiphenyl	0.4250	0.5000	ug/L	85%		20-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1057355	Batch:	311399
Matrix:	Water	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1057355 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4718	0.5000	ug/L	94%		53-120	16	20
beta-BHC	0.4526	0.5000	ug/L	91%		59-120	15	20
gamma-BHC	0.4623	0.5000	ug/L	92%		54-120	15	20
delta-BHC	0.4757	0.5000	ug/L	95%		58-120	16	20
Heptachlor	0.4492	0.5000	ug/L	90%		49-120	15	20
Aldrin	0.4433	0.5000	ug/L	89%		47-120	16	20
Heptachlor epoxide	0.4662	0.5000	ug/L	93%		53-120	15	20
Endosulfan I	0.4811	0.5000	ug/L	96%		56-120	16	20
Dieldrin	0.4369	0.5000	ug/L	87%		55-120	16	20
4,4'-DDE	0.4644	0.5000	ug/L	93%		55-120	15	20
Endrin	0.4580	0.5000	ug/L	92%		57-120	18	20
Endosulfan II	0.4441	0.5000	ug/L	89%		58-120	17	20
Endosulfan sulfate	0.4137	0.5000	ug/L	83%		56-120	17	20
4,4'-DDD	0.4617	0.5000	ug/L	92%		53-120	17	20
Endrin aldehyde	0.3819	0.5000	ug/L	76%		45-120	16	20
Endrin ketone	0.4264	0.5000	ug/L	85%		61-120	17	20
4,4'-DDT	0.4209	0.5000	ug/L	84%		58-120	16	20
Methoxychlor	0.3958	0.5000	ug/L	79%	#	54-120	17	20
Surrogates								
TCMX	0.2706	0.5000	ug/L	54%		14-120		
Decachlorobiphenyl	0.3564	0.5000	ug/L	71%		20-120		

Type:	Lab Control Sample	Lab ID:	QC1057356	Batch:	311399
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1057356 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.870	5.000	ug/L	97%		36-143
Aroclor-1260	5.395	5.000	ug/L	108%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.4773	0.5000	ug/L	95%		18-126

Type:	Lab Control Sample Duplicate	Lab ID:	QC1057357	Batch:	311399
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1057357 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	5.231	5.000	ug/L	105%		36-143	7	39
Aroclor-1260	5.799	5.000	ug/L	116%		31-153	7	20
Surrogates								
Decachlorobiphenyl (PCB)	0.5030	0.5000	ug/L	101%		18-126		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1057054	Batch: 311319
Matrix: Soil		

QC1057054 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.0	1.2	04/07/23	04/08/23
beta-BHC	ND		ug/Kg	5.0	1.7	04/07/23	04/08/23
gamma-BHC	ND		ug/Kg	5.0	1.0	04/07/23	04/08/23
delta-BHC	ND		ug/Kg	5.0	1.3	04/07/23	04/08/23
Heptachlor	ND		ug/Kg	5.0	1.5	04/07/23	04/08/23
Aldrin	ND		ug/Kg	5.0	1.3	04/07/23	04/08/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	04/07/23	04/08/23
Endosulfan I	ND		ug/Kg	5.0	1.4	04/07/23	04/08/23
Dieldrin	ND		ug/Kg	5.0	1.4	04/07/23	04/08/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	04/07/23	04/08/23
Endrin	ND		ug/Kg	5.0	1.6	04/07/23	04/08/23
Endosulfan II	ND		ug/Kg	5.0	1.6	04/07/23	04/08/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	04/07/23	04/08/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	04/07/23	04/08/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	04/07/23	04/08/23
Endrin ketone	ND		ug/Kg	5.0	1.4	04/07/23	04/08/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	04/07/23	04/08/23
Methoxychlor	ND		ug/Kg	10	5.0	04/07/23	04/08/23
Toxaphene	ND		ug/Kg	100	15	04/07/23	04/08/23
Chlordane (Technical)	ND		ug/Kg	50	11	04/07/23	04/08/23
Surrogates				**Limits**			
TCMX	66%		%REC	23-120		04/07/23	04/08/23
Decachlorobiphenyl	64%		%REC	24-120		04/07/23	04/08/23
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	50	14	04/07/23	04/12/23
Aroclor-1221	ND		ug/Kg	50	23	04/07/23	04/12/23
Aroclor-1232	ND		ug/Kg	50	18	04/07/23	04/12/23
Aroclor-1242	ND		ug/Kg	50	18	04/07/23	04/12/23
Aroclor-1248	ND		ug/Kg	50	21	04/07/23	04/12/23
Aroclor-1254	ND		ug/Kg	50	6.5	04/07/23	04/12/23
Aroclor-1260	ND		ug/Kg	50	24	04/07/23	04/12/23
Aroclor-1262	ND		ug/Kg	50	16	04/07/23	04/12/23
Aroclor-1268	ND		ug/Kg	50	13	04/07/23	04/12/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	64%		%REC	19-121		04/07/23	04/12/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057055**	**Batch:**	**311319**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1057055 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	40.63	49.60	ug/Kg	82%		22-129
beta-BHC	38.92	49.60	ug/Kg	78%		28-125
gamma-BHC	38.34	49.60	ug/Kg	77%		22-128
delta-BHC	37.36	49.60	ug/Kg	75%		24-131
Heptachlor	37.28	49.60	ug/Kg	75%		18-124
Aldrin	30.52	49.60	ug/Kg	62%		23-120
Heptachlor epoxide	37.72	49.60	ug/Kg	76%		26-120
Endosulfan I	38.28	49.60	ug/Kg	77%		25-126
Dieldrin	37.89	49.60	ug/Kg	76%		23-124
4,4'-DDE	37.97	49.60	ug/Kg	77%		28-121
Endrin	39.53	49.60	ug/Kg	80%		25-127
Endosulfan II	36.49	49.60	ug/Kg	74%		29-121
Endosulfan sulfate	34.26	49.60	ug/Kg	69%		30-121
4,4'-DDD	36.95	49.60	ug/Kg	74%		26-120
Endrin aldehyde	12.58	49.60	ug/Kg	25%		10-120
Endrin ketone	36.46	49.60	ug/Kg	74%	#	28-125
4,4'-DDT	30.41	49.60	ug/Kg	61%		22-125
Methoxychlor	31.82	49.60	ug/Kg	64%		28-130
Surrogates						
TCMX	34.09	49.60	ug/Kg	69%		23-120
Decachlorobiphenyl	30.88	49.60	ug/Kg	62%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1057232**	**Batch:**	**311319**
Matrix (Source ID):	**Soil (482858-009)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1057232 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	45.79	ND	49.80	ug/Kg	92%		46-120	1
beta-BHC	46.92	ND	49.80	ug/Kg	94%		41-120	1
gamma-BHC	44.30	ND	49.80	ug/Kg	89%		41-120	1
delta-BHC	44.87	ND	49.80	ug/Kg	90%		38-123	1
Heptachlor	44.28	ND	49.80	ug/Kg	89%		39-120	1
Aldrin	43.94	ND	49.80	ug/Kg	88%		34-120	1
Heptachlor epoxide	44.94	ND	49.80	ug/Kg	90%		43-120	1
Endosulfan I	45.69	ND	49.80	ug/Kg	92%		45-120	1
Dieldrin	43.52	ND	49.80	ug/Kg	87%		45-120	1
4,4'-DDE	43.84	ND	49.80	ug/Kg	88%		34-120	1
Endrin	47.35	ND	49.80	ug/Kg	95%		40-120	1
Endosulfan II	42.85	ND	49.80	ug/Kg	86%		41-120	1
Endosulfan sulfate	40.64	ND	49.80	ug/Kg	82%		42-120	1
4,4'-DDD	42.50	ND	49.80	ug/Kg	85%		41-120	1
Endrin aldehyde	32.93	ND	49.80	ug/Kg	66%		30-120	1
Endrin ketone	40.29	ND	49.80	ug/Kg	81%	#	45-120	1
4,4'-DDT	47.05	2.591	49.80	ug/Kg	89%		35-127	1
Methoxychlor	56.12	ND	49.80	ug/Kg	113%		42-136	1
Surrogates								
TCMX	37.11		49.80	ug/Kg	75%		23-120	1
Decachlorobiphenyl	33.62		49.80	ug/Kg	68%		24-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1057233**	**Batch:**	**311319**
Matrix (Source ID):	**Soil (482858-009)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1057233 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	43.61	ND	49.60	ug/Kg	88%		46-120	4	30	0.99
beta-BHC	43.56	ND	49.60	ug/Kg	88%		41-120	7	30	0.99
gamma-BHC	42.47	ND	49.60	ug/Kg	86%		41-120	4	30	0.99
delta-BHC	43.54	ND	49.60	ug/Kg	88%		38-123	3	30	0.99
Heptachlor	42.53	ND	49.60	ug/Kg	86%		39-120	4	30	0.99
Aldrin	41.69	ND	49.60	ug/Kg	84%		34-120	5	30	0.99
Heptachlor epoxide	43.09	ND	49.60	ug/Kg	87%		43-120	4	30	0.99
Endosulfan I	44.14	ND	49.60	ug/Kg	89%		45-120	3	30	0.99
Dieldrin	42.30	ND	49.60	ug/Kg	85%		45-120	2	30	0.99
4,4'-DDE	41.58	ND	49.60	ug/Kg	84%		34-120	5	30	0.99
Endrin	45.08	ND	49.60	ug/Kg	91%		40-120	5	30	0.99
Endosulfan II	41.28	ND	49.60	ug/Kg	83%		41-120	3	30	0.99
Endosulfan sulfate	38.38	ND	49.60	ug/Kg	77%		42-120	5	30	0.99
4,4'-DDD	41.06	ND	49.60	ug/Kg	83%		41-120	3	30	0.99
Endrin aldehyde	31.64	ND	49.60	ug/Kg	64%		30-120	4	30	0.99
Endrin ketone	39.83	ND	49.60	ug/Kg	80%	#	45-120	1	30	0.99
4,4'-DDT	45.66	2.591	49.60	ug/Kg	87%		35-127	3	30	0.99
Methoxychlor	52.86	ND	49.60	ug/Kg	107%		42-136	6	30	0.99
Surrogates										
TCMX	36.00		49.60	ug/Kg	73%		23-120			0.99
Decachlorobiphenyl	33.71		49.60	ug/Kg	68%		24-120			0.99

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057234**	**Batch:**	**311319**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1057234 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	390.7	498.5	ug/Kg	78%		14-150
Aroclor-1260	379.9	498.5	ug/Kg	76%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	34.19	49.85	ug/Kg	69%		19-121

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1057235**	**Batch:**	**311319**
Matrix (Source ID):	**Soil (482858-017)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1057235 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	421.0	ND	500.0	ug/Kg	84%		42-127	1
Aroclor-1260	620.9	ND	500.0	ug/Kg	124%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	43.11		50.00	ug/Kg	86%		19-121	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1057236**	**Batch:**	**311319**
Matrix (Source ID):	**Soil (482858-017)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1057236 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	433.8	ND	498.5	ug/Kg	87%		42-127	3	30	1
Aroclor-1260	582.7	ND	498.5	ug/Kg	117%		38-130	6	30	1
Surrogates										
Decachlorobiphenyl (PCB)	45.16		49.85	ug/Kg	91%		19-121			1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057243**	**Batch:**	**311371**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1057243 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	46.56	50.00	ug/L	93%		70-135
MTBE	49.98	50.00	ug/L	100%		70-130
Benzene	46.39	50.00	ug/L	93%		70-130
Trichloroethene	48.31	50.00	ug/L	97%		70-130
Toluene	45.35	50.00	ug/L	91%		70-130
Chlorobenzene	46.75	50.00	ug/L	94%		70-130
Surrogates						
Dibromofluoromethane	51.96	50.00	ug/L	104%		70-140
1,2-Dichloroethane-d4	51.28	50.00	ug/L	103%		70-140
Toluene-d8	50.26	50.00	ug/L	101%		70-140
Bromofluorobenzene	50.68	50.00	ug/L	101%		70-140

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1057244**	**Batch:**	**311371**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1057244 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.73	50.00	ug/L	97%		70-135	5	30
MTBE	52.92	50.00	ug/L	106%		70-130	6	30
Benzene	47.77	50.00	ug/L	96%		70-130	3	30
Trichloroethene	49.05	50.00	ug/L	98%		70-130	2	30
Toluene	46.56	50.00	ug/L	93%		70-130	3	30
Chlorobenzene	46.82	50.00	ug/L	94%		70-130	0	30
Surrogates								
Dibromofluoromethane	52.65	50.00	ug/L	105%		70-140		
1,2-Dichloroethane-d4	51.64	50.00	ug/L	103%		70-140		
Toluene-d8	49.79	50.00	ug/L	100%		70-140		
Bromofluorobenzene	50.34	50.00	ug/L	101%		70-140		

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Batch QC

Type: Blank	Lab ID: QC1057247	Batch: 311371
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1057247 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Freon 12	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Chloromethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Vinyl Chloride	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Bromomethane	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Chloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Trichlorofluoromethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Acetone	ND		ug/L	100	17	04/08/23	04/08/23
Freon 113	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,1-Dichloroethene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Methylene Chloride	ND		ug/L	5.0	0.5	04/08/23	04/08/23
MTBE	ND		ug/L	5.0	0.1	04/08/23	04/08/23
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,1-Dichloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
2-Butanone	ND		ug/L	100	0.6	04/08/23	04/08/23
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
2,2-Dichloropropane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Chloroform	ND		ug/L	5.0	0.3	04/08/23	04/08/23
Bromochloromethane	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,1-Dichloropropene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Carbon Tetrachloride	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,2-Dichloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Benzene	ND		ug/L	5.0	0.08	04/08/23	04/08/23
Trichloroethene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Bromodichloromethane	ND		ug/L	5.0	0.05	04/08/23	04/08/23
Dibromomethane	ND		ug/L	5.0	0.2	04/08/23	04/08/23
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.3	04/08/23	04/08/23
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	04/08/23	04/08/23
Toluene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,3-Dichloropropane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Tetrachloroethene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Dibromochloromethane	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,2-Dibromoethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Chlorobenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Ethylbenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
m,p-Xylenes	ND		ug/L	10	0.2	04/08/23	04/08/23
o-Xylene	ND		ug/L	5.0	0.1	04/08/23	04/08/23

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Batch QC

QC1057247 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Styrene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Bromoform	ND		ug/L	5.0	0.08	04/08/23	04/08/23
Isopropylbenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,2,3-Trichloropropane	ND		ug/L	5.0	0.08	04/08/23	04/08/23
Propylbenzene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Bromobenzene	ND		ug/L	5.0	0.09	04/08/23	04/08/23
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
2-Chlorotoluene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
tert-Butylbenzene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	04/08/23	04/08/23
sec-Butylbenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
n-Butylbenzene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,2-Dichlorobenzene	ND		ug/L	5.0	0.08	04/08/23	04/08/23
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Hexachlorobutadiene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Naphthalene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	04/08/23	04/08/23
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Xylene (total)	ND		ug/L	5.0		04/08/23	04/08/23
Surrogates				**Limits**			
Dibromofluoromethane	105%		%REC	70-140		04/08/23	04/08/23
1,2-Dichloroethane-d4	104%		%REC	70-140		04/08/23	04/08/23
Toluene-d8	101%		%REC	70-140		04/08/23	04/08/23
Bromofluorobenzene	101%		%REC	70-140		04/08/23	04/08/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057268**	**Batch:**	**311376**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1057268 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.30	50.00	ug/Kg	87%		70-131
MTBE	52.79	50.00	ug/Kg	106%		69-130
Benzene	43.16	50.00	ug/Kg	86%		70-130
Trichloroethene	42.26	50.00	ug/Kg	85%		70-130
Toluene	43.71	50.00	ug/Kg	87%		70-130
Chlorobenzene	42.89	50.00	ug/Kg	86%		70-130
Surrogates						
Dibromofluoromethane	49.92	50.00	ug/Kg	100%		70-130
1,2-Dichloroethane-d4	52.75	50.00	ug/Kg	105%		70-145
Toluene-d8	50.45	50.00	ug/Kg	101%		70-145
Bromofluorobenzene	51.00	50.00	ug/Kg	102%		70-145

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1057269**	**Batch:**	**311376**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1057269 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	45.19	50.00	ug/Kg	90%		70-131	4	33
MTBE	56.52	50.00	ug/Kg	113%		69-130	7	30
Benzene	45.46	50.00	ug/Kg	91%		70-130	5	30
Trichloroethene	43.73	50.00	ug/Kg	87%		70-130	3	30
Toluene	45.41	50.00	ug/Kg	91%		70-130	4	30
Chlorobenzene	44.98	50.00	ug/Kg	90%		70-130	5	30
Surrogates								
Dibromofluoromethane	49.16	50.00	ug/Kg	98%		70-130		
1,2-Dichloroethane-d4	52.89	50.00	ug/Kg	106%		70-145		
Toluene-d8	49.52	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	50.75	50.00	ug/Kg	101%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1057272	Batch: 311376
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1057272 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	1.3	04/08/23	04/08/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	3.2	04/08/23	04/08/23
Freon 12	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
Chloromethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Vinyl Chloride	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Bromomethane	ND		ug/Kg	5.0	1.5	04/08/23	04/08/23
Chloroethane	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
Trichlorofluoromethane	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
Acetone	51	J	ug/Kg	100	20	04/08/23	04/08/23
Freon 113	ND		ug/Kg	5.0	1.1	04/08/23	04/08/23
1,1-Dichloroethene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Methylene Chloride	ND		ug/Kg	5.0	1.8	04/08/23	04/08/23
MTBE	ND		ug/Kg	5.0	1.1	04/08/23	04/08/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1-Dichloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
2-Butanone	ND		ug/Kg	100	20	04/08/23	04/08/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
2,2-Dichloropropane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Chloroform	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Bromochloromethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1-Dichloropropene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Carbon Tetrachloride	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2-Dichloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Benzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Trichloroethene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2-Dichloropropane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Bromodichloromethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Dibromomethane	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.8	04/08/23	04/08/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
Toluene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,3-Dichloropropane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Tetrachloroethene	ND		ug/Kg	5.0	1.9	04/08/23	04/08/23
Dibromochloromethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2-Dibromoethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Chlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Ethylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23

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Batch QC

QC1057272 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	10	1.4	04/08/23	04/08/23
o-Xylene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Styrene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Bromoform	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Isopropylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Propylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Bromobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
2-Chlorotoluene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
4-Chlorotoluene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
tert-Butylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
sec-Butylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
para-Isopropyl Toluene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
n-Butylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.4	04/08/23	04/08/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Hexachlorobutadiene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Naphthalene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Xylene (total)	ND		ug/Kg	5.0		04/08/23	04/08/23
Surrogates				**Limits**			
Dibromofluoromethane	99%		%REC	70-130		04/08/23	04/08/23
1,2-Dichloroethane-d4	105%		%REC	70-145		04/08/23	04/08/23
Toluene-d8	97%		%REC	70-145		04/08/23	04/08/23
Bromofluorobenzene	99%		%REC	70-145		04/08/23	04/08/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1057390**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057390 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.36	04/09/23	04/10/23
2-Methylnaphthalene	ND		ug/L	0.50	0.37	04/09/23	04/10/23
Naphthalene	ND		ug/L	0.50	0.37	04/09/23	04/10/23
Acenaphthylene	ND		ug/L	0.50	0.35	04/09/23	04/10/23
Acenaphthene	ND		ug/L	0.50	0.33	04/09/23	04/10/23
Fluorene	ND		ug/L	0.50	0.35	04/09/23	04/10/23
Phenanthrene	ND		ug/L	0.50	0.27	04/09/23	04/10/23
Anthracene	ND		ug/L	0.50	0.26	04/09/23	04/10/23
Fluoranthene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Pyrene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(a)anthracene	ND		ug/L	0.50	0.27	04/09/23	04/10/23
Chrysene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(b)fluoranthene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(k)fluoranthene	ND		ug/L	0.50	0.33	04/09/23	04/10/23
Benzo(a)pyrene	ND		ug/L	0.50	0.29	04/09/23	04/10/23
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.29	04/09/23	04/10/23
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.28	04/09/23	04/10/23
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.28	04/09/23	04/10/23
Surrogates				**Limits**			
Nitrobenzene-d5	51%		%REC	16-125		04/09/23	04/10/23
2-Fluorobiphenyl	47%		%REC	17-120		04/09/23	04/10/23
Terphenyl-d14	68%		%REC	39-123		04/09/23	04/10/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057392**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057392 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	2.242	4.000	ug/L	56%		23-120
2-Methylnaphthalene	2.287	4.000	ug/L	57%		33-120
Naphthalene	2.353	4.000	ug/L	59%		38-120
Acenaphthylene	2.551	4.000	ug/L	64%		37-120
Acenaphthene	2.487	4.000	ug/L	62%		39-120
Fluorene	2.573	4.000	ug/L	64%		43-120
Phenanthrene	2.609	4.000	ug/L	65%		42-120
Anthracene	2.647	4.000	ug/L	66%		42-120
Fluoranthene	2.693	4.000	ug/L	67%		48-120
Pyrene	2.731	4.000	ug/L	68%		44-120
Benzo(a)anthracene	2.750	4.000	ug/L	69%		51-126
Chrysene	2.883	4.000	ug/L	72%		47-120
Benzo(b)fluoranthene	2.872	4.000	ug/L	72%		44-127
Benzo(k)fluoranthene	2.918	4.000	ug/L	73%		43-127
Benzo(a)pyrene	2.835	4.000	ug/L	71%		29-124
Indeno(1,2,3-cd)pyrene	3.156	4.000	ug/L	79%		44-127
Dibenz(a,h)anthracene	3.109	4.000	ug/L	78%		55-120
Benzo(g,h,i)perylene	3.132	4.000	ug/L	78%		46-120
Surrogates						
Nitrobenzene-d5	2.698	4.000	ug/L	67%		16-125
2-Fluorobiphenyl	2.474	4.000	ug/L	62%		17-120
Terphenyl-d14	2.719	4.000	ug/L	68%		39-123

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1057393**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057393 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	2.440	4.000	ug/L	61%		23-120	8	20
2-Methylnaphthalene	2.497	4.000	ug/L	62%		33-120	9	20
Naphthalene	2.516	4.000	ug/L	63%		38-120	7	20
Acenaphthylene	2.745	4.000	ug/L	69%		37-120	7	20
Acenaphthene	2.644	4.000	ug/L	66%		39-120	6	20
Fluorene	2.765	4.000	ug/L	69%		43-120	7	20
Phenanthrene	2.815	4.000	ug/L	70%		42-120	8	20
Anthracene	2.869	4.000	ug/L	72%		42-120	8	20
Fluoranthene	2.910	4.000	ug/L	73%		48-120	8	20
Pyrene	2.925	4.000	ug/L	73%		44-120	7	20
Benzo(a)anthracene	2.984	4.000	ug/L	75%		51-126	8	20
Chrysene	3.131	4.000	ug/L	78%		47-120	8	20
Benzo(b)fluoranthene	3.028	4.000	ug/L	76%		44-127	5	20
Benzo(k)fluoranthene	3.049	4.000	ug/L	76%		43-127	4	20
Benzo(a)pyrene	2.981	4.000	ug/L	75%		29-124	5	20
Indeno(1,2,3-cd)pyrene	3.338	4.000	ug/L	83%		44-127	6	20
Dibenz(a,h)anthracene	3.300	4.000	ug/L	83%		55-120	6	20
Benzo(g,h,i)perylene	3.292	4.000	ug/L	82%		46-120	5	20
Surrogates								
Nitrobenzene-d5	2.953	4.000	ug/L	74%		16-125		
2-Fluorobiphenyl	2.664	4.000	ug/L	67%		17-120		
Terphenyl-d14	3.010	4.000	ug/L	75%		39-123		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1057546	Batch: 311426
Matrix: Soil	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1057546 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	3.0	04/10/23	04/10/23
2-Methylnaphthalene	ND		ug/Kg	10	3.0	04/10/23	04/10/23
Naphthalene	ND		ug/Kg	10	3.1	04/10/23	04/10/23
Acenaphthylene	ND		ug/Kg	10	2.5	04/10/23	04/10/23
Acenaphthene	ND		ug/Kg	10	2.7	04/10/23	04/10/23
Fluorene	ND		ug/Kg	10	2.6	04/10/23	04/10/23
Phenanthrene	ND		ug/Kg	10	2.3	04/10/23	04/10/23
Anthracene	ND		ug/Kg	10	1.8	04/10/23	04/10/23
Fluoranthene	ND		ug/Kg	10	1.0	04/10/23	04/10/23
Pyrene	ND		ug/Kg	10	1.2	04/10/23	04/10/23
Benzo(a)anthracene	ND		ug/Kg	10	0.95	04/10/23	04/10/23
Chrysene	ND		ug/Kg	10	1.2	04/10/23	04/10/23
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	04/10/23	04/10/23
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	04/10/23	04/10/23
Benzo(a)pyrene	ND		ug/Kg	10	2.0	04/10/23	04/10/23
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	04/10/23	04/10/23
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	04/10/23	04/10/23
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	04/10/23	04/10/23
Surrogates				**Limits**			
Nitrobenzene-d5	71%		%REC	27-125		04/10/23	04/10/23
2-Fluorobiphenyl	66%		%REC	30-120		04/10/23	04/10/23
Terphenyl-d14	90%		%REC	33-155		04/10/23	04/10/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057547**	**Batch:**	**311426**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1057547 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	131.7	198.0	ug/Kg	67%		28-130
2-Methylnaphthalene	135.3	198.0	ug/Kg	68%		33-130
Naphthalene	135.4	198.0	ug/Kg	68%		25-130
Acenaphthylene	144.0	198.0	ug/Kg	73%		28-130
Acenaphthene	143.2	198.0	ug/Kg	72%		32-130
Fluorene	149.2	198.0	ug/Kg	75%		35-130
Phenanthrene	158.6	198.0	ug/Kg	80%		35-132
Anthracene	161.9	198.0	ug/Kg	82%		34-136
Fluoranthene	168.7	198.0	ug/Kg	85%		34-139
Pyrene	172.1	198.0	ug/Kg	87%		35-134
Benzo(a)anthracene	169.1	198.0	ug/Kg	85%		30-132
Chrysene	178.7	198.0	ug/Kg	90%		29-130
Benzo(b)fluoranthene	176.2	198.0	ug/Kg	89%		32-137
Benzo(k)fluoranthene	178.3	198.0	ug/Kg	90%		32-130
Benzo(a)pyrene	177.6	198.0	ug/Kg	90%		10-138
Indeno(1,2,3-cd)pyrene	191.0	198.0	ug/Kg	96%		34-132
Dibenz(a,h)anthracene	188.4	198.0	ug/Kg	95%		32-130
Benzo(g,h,i)perylene	189.5	198.0	ug/Kg	96%		27-130
Surrogates						
Nitrobenzene-d5	150.0	198.0	ug/Kg	76%		27-125
2-Fluorobiphenyl	142.1	198.0	ug/Kg	72%		30-120
Terphenyl-d14	182.3	198.0	ug/Kg	92%		33-155

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1057548**	**Batch:**	**311426**
Matrix (Source ID):	**Soil (482870-001)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1057548 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	130.4	ND	202.0	ug/Kg	65%		25-130	1
2-Methylnaphthalene	135.0	ND	202.0	ug/Kg	67%		32-133	1
Naphthalene	135.9	ND	202.0	ug/Kg	67%		33-130	1
Acenaphthylene	143.1	ND	202.0	ug/Kg	71%		14-157	1
Acenaphthene	137.1	ND	202.0	ug/Kg	68%		28-134	1
Fluorene	143.4	ND	202.0	ug/Kg	71%		27-140	1
Phenanthrene	159.5	ND	202.0	ug/Kg	79%		29-147	1
Anthracene	164.7	ND	202.0	ug/Kg	82%		24-156	1
Fluoranthene	172.7	ND	202.0	ug/Kg	86%		28-160	1
Pyrene	175.8	ND	202.0	ug/Kg	87%		26-153	1
Benzo(a)anthracene	171.8	ND	202.0	ug/Kg	85%		26-174	1
Chrysene	178.5	ND	202.0	ug/Kg	88%		40-139	1
Benzo(b)fluoranthene	172.8	ND	202.0	ug/Kg	86%		36-164	1
Benzo(k)fluoranthene	173.9	ND	202.0	ug/Kg	86%		36-161	1
Benzo(a)pyrene	174.7	ND	202.0	ug/Kg	86%		18-173	1
Indeno(1,2,3-cd)pyrene	185.7	ND	202.0	ug/Kg	92%		26-154	1
Dibenz(a,h)anthracene	181.4	ND	202.0	ug/Kg	90%		38-132	1
Benzo(g,h,i)perylene	183.3	ND	202.0	ug/Kg	91%		36-130	1
Surrogates								
Nitrobenzene-d5	151.5		202.0	ug/Kg	75%		27-125	1
2-Fluorobiphenyl	141.4		202.0	ug/Kg	70%		30-120	1
Terphenyl-d14	183.1		202.0	ug/Kg	91%		33-155	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1057549**	**Batch:**	**311426**
Matrix (Source ID):	**Soil (482870-001)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1057549 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	126.9	ND	201.0	ug/Kg	63%		25-130	2	35	1
2-Methylnaphthalene	130.1	ND	201.0	ug/Kg	65%		32-133	3	35	1
Naphthalene	129.2	ND	201.0	ug/Kg	64%		33-130	5	35	1
Acenaphthylene	141.3	ND	201.0	ug/Kg	70%		14-157	1	35	1
Acenaphthene	137.2	ND	201.0	ug/Kg	68%		28-134	1	35	1
Fluorene	145.5	ND	201.0	ug/Kg	72%		27-140	2	35	1
Phenanthrene	161.0	ND	201.0	ug/Kg	80%		29-147	1	35	1
Anthracene	164.9	ND	201.0	ug/Kg	82%		24-156	1	35	1
Fluoranthene	175.9	ND	201.0	ug/Kg	88%		28-160	2	35	1
Pyrene	179.3	ND	201.0	ug/Kg	89%		26-153	2	35	1
Benzo(a)anthracene	174.7	ND	201.0	ug/Kg	87%		26-174	2	35	1
Chrysene	182.4	ND	201.0	ug/Kg	91%		40-139	3	35	1
Benzo(b)fluoranthene	175.5	ND	201.0	ug/Kg	87%		36-164	2	35	1
Benzo(k)fluoranthene	181.2	ND	201.0	ug/Kg	90%		36-161	5	35	1
Benzo(a)pyrene	178.2	ND	201.0	ug/Kg	89%		18-173	3	35	1
Indeno(1,2,3-cd)pyrene	189.0	ND	201.0	ug/Kg	94%		26-154	2	35	1
Dibenz(a,h)anthracene	185.9	ND	201.0	ug/Kg	92%		38-132	3	35	1
Benzo(g,h,i)perylene	188.3	ND	201.0	ug/Kg	94%		36-130	3	35	1
Surrogates										
Nitrobenzene-d5	140.3		201.0	ug/Kg	70%		27-125			1
2-Fluorobiphenyl	132.0		201.0	ug/Kg	66%		30-120			1
Terphenyl-d14	179.6		201.0	ug/Kg	89%		33-155			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1058174	Batch: 311609
Matrix: Soil	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1058174 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	3.0	04/12/23	04/12/23
2-Methylnaphthalene	ND		ug/Kg	10	3.0	04/12/23	04/12/23
Naphthalene	ND		ug/Kg	10	3.1	04/12/23	04/12/23
Acenaphthylene	ND		ug/Kg	10	2.5	04/12/23	04/12/23
Acenaphthene	ND		ug/Kg	10	2.7	04/12/23	04/12/23
Fluorene	ND		ug/Kg	10	2.6	04/12/23	04/12/23
Phenanthrene	ND		ug/Kg	10	2.3	04/12/23	04/12/23
Anthracene	ND		ug/Kg	10	1.8	04/12/23	04/12/23
Fluoranthene	ND		ug/Kg	10	1.0	04/12/23	04/12/23
Pyrene	ND		ug/Kg	10	1.2	04/12/23	04/12/23
Benzo(a)anthracene	ND		ug/Kg	10	0.95	04/12/23	04/12/23
Chrysene	ND		ug/Kg	10	1.2	04/12/23	04/12/23
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	04/12/23	04/12/23
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	04/12/23	04/12/23
Benzo(a)pyrene	ND		ug/Kg	10	2.0	04/12/23	04/12/23
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	04/12/23	04/12/23
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	04/12/23	04/12/23
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	04/12/23	04/12/23
Surrogates				**Limits**			
Nitrobenzene-d5	65%		%REC	27-125		04/12/23	04/12/23
2-Fluorobiphenyl	57%		%REC	30-120		04/12/23	04/12/23
Terphenyl-d14	62%		%REC	33-155		04/12/23	04/12/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1058176**	**Batch:**	**311609**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1058176 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	148.8	198.0	ug/Kg	75%		28-130
2-Methylnaphthalene	155.2	198.0	ug/Kg	78%		33-130
Naphthalene	152.4	198.0	ug/Kg	77%		25-130
Acenaphthylene	161.0	198.0	ug/Kg	81%		28-130
Acenaphthene	149.7	198.0	ug/Kg	76%		32-130
Fluorene	153.0	198.0	ug/Kg	77%		35-130
Phenanthrene	150.5	198.0	ug/Kg	76%		35-132
Anthracene	156.3	198.0	ug/Kg	79%		34-136
Fluoranthene	150.9	198.0	ug/Kg	76%		34-139
Pyrene	150.6	198.0	ug/Kg	76%		35-134
Benzo(a)anthracene	156.5	198.0	ug/Kg	79%		30-132
Chrysene	160.4	198.0	ug/Kg	81%		29-130
Benzo(b)fluoranthene	157.9	198.0	ug/Kg	80%		32-137
Benzo(k)fluoranthene	158.0	198.0	ug/Kg	80%		32-130
Benzo(a)pyrene	160.2	198.0	ug/Kg	81%		10-138
Indeno(1,2,3-cd)pyrene	164.9	198.0	ug/Kg	83%		34-132
Dibenz(a,h)anthracene	162.0	198.0	ug/Kg	82%		32-130
Benzo(g,h,i)perylene	155.3	198.0	ug/Kg	78%		27-130
Surrogates						
Nitrobenzene-d5	175.4	198.0	ug/Kg	89%		27-125
2-Fluorobiphenyl	158.4	198.0	ug/Kg	80%		30-120
Terphenyl-d14	162.4	198.0	ug/Kg	82%		33-155

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1058177**	**Batch:**	**311609**
Matrix (Source ID):	**Soil (482999-023)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1058177 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	159.1	ND	202.0	ug/Kg	79%		25-130	1
2-Methylnaphthalene	163.9	ND	202.0	ug/Kg	81%		32-133	1
Naphthalene	158.4	ND	202.0	ug/Kg	78%		33-130	1
Acenaphthylene	175.1	ND	202.0	ug/Kg	87%		14-157	1
Acenaphthene	167.4	ND	202.0	ug/Kg	83%		28-134	1
Fluorene	171.1	ND	202.0	ug/Kg	85%		27-140	1
Phenanthrene	166.5	ND	202.0	ug/Kg	82%		29-147	1
Anthracene	173.3	ND	202.0	ug/Kg	86%		24-156	1
Fluoranthene	162.1	ND	202.0	ug/Kg	80%		28-160	1
Pyrene	161.2	ND	202.0	ug/Kg	80%		26-153	1
Benzo(a)anthracene	171.2	ND	202.0	ug/Kg	85%		26-174	1
Chrysene	172.1	ND	202.0	ug/Kg	85%		40-139	1
Benzo(b)fluoranthene	160.2	ND	202.0	ug/Kg	79%		36-164	1
Benzo(k)fluoranthene	157.8	ND	202.0	ug/Kg	78%		36-161	1
Benzo(a)pyrene	161.9	ND	202.0	ug/Kg	80%		18-173	1
Indeno(1,2,3-cd)pyrene	169.9	ND	202.0	ug/Kg	84%		26-154	1
Dibenz(a,h)anthracene	164.2	ND	202.0	ug/Kg	81%		38-132	1
Benzo(g,h,i)perylene	162.1	ND	202.0	ug/Kg	80%		36-130	1
Surrogates								
Nitrobenzene-d5	191.9		202.0	ug/Kg	95%		27-125	1
2-Fluorobiphenyl	176.6		202.0	ug/Kg	87%		30-120	1
Terphenyl-d14	174.5		202.0	ug/Kg	86%		33-155	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1058178**	**Batch:**	**311609**
Matrix (Source ID):	**Soil (482999-023)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1058178 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	176.0	ND	200.0	ug/Kg	88%		25-130	11	35	1
2-Methylnaphthalene	182.3	ND	200.0	ug/Kg	91%		32-133	12	35	1
Naphthalene	174.2	ND	200.0	ug/Kg	87%		33-130	10	35	1
Acenaphthylene	192.1	ND	200.0	ug/Kg	96%		14-157	10	35	1
Acenaphthene	179.6	ND	200.0	ug/Kg	90%		28-134	8	35	1
Fluorene	183.0	ND	200.0	ug/Kg	92%		27-140	8	35	1
Phenanthrene	176.9	ND	200.0	ug/Kg	88%		29-147	7	35	1
Anthracene	184.7	ND	200.0	ug/Kg	92%		24-156	7	35	1
Fluoranthene	175.5	ND	200.0	ug/Kg	88%		28-160	9	35	1
Pyrene	174.2	ND	200.0	ug/Kg	87%		26-153	9	35	1
Benzo(a)anthracene	180.5	ND	200.0	ug/Kg	90%		26-174	6	35	1
Chrysene	180.0	ND	200.0	ug/Kg	90%		40-139	5	35	1
Benzo(b)fluoranthene	168.0	ND	200.0	ug/Kg	84%		36-164	6	35	1
Benzo(k)fluoranthene	168.3	ND	200.0	ug/Kg	84%		36-161	7	35	1
Benzo(a)pyrene	168.8	ND	200.0	ug/Kg	84%		18-173	5	35	1
Indeno(1,2,3-cd)pyrene	173.0	ND	200.0	ug/Kg	87%		26-154	3	35	1
Dibenz(a,h)anthracene	170.1	ND	200.0	ug/Kg	85%		38-132	5	35	1
Benzo(g,h,i)perylene	164.3	ND	200.0	ug/Kg	82%		36-130	2	35	1
Surrogates										
Nitrobenzene-d5	205.0		200.0	ug/Kg	103%		27-125			1
2-Fluorobiphenyl	185.7		200.0	ug/Kg	93%		30-120			1
Terphenyl-d14	184.3		200.0	ug/Kg	92%		33-155			1

#	CCV drift outside limits; average CCV drift within limits per method requirements
*	Value is outside QC limits
J	Estimated value
ND	Not Detected

Laboratory Job Number 482858

Subcontracted Products

AmeriSci

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
Enthalpy Analytical
Fax #:

From: Megan A DeLara
AmeriSci Job #: 923041049
Subject: PLM-Bulk-Qualitative 5 day Resul
Client Project: EO-482858

Email: incomingreports@enthalpy.com, patty.mata@enthalpy.com

Date: Friday, April 14, 2023
Time: 10:56:15
Comments:

Number of Pages: _____
(including cover sheet)

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.

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AmeriSci Job #: **923041049**

Client Name: Enthalpy Analytical

Table I
Summary of Bulk Asbestos Analysis Results
EO-482858

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	Asbestos by PLM/DS	Asbestos by TEM
01	SB-22-1.0		----	----	----	----	Chrysotile Present	NA
Location: 482858-017							Amosite Present	
02	SB-15-1.0		----	----	----	----	NVA	NA
Location: 482858-023								
03	SB-02-6.0		----	----	----	----	NVA	NA
Location: 482858-040								

Analyzed by: Megan A DeLara

Reviewed by: Patricia Weakley

Date: 4/14/2023

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent Qualitative PLM (polarized light microscopy) or Qualitative TEM (transmission electron microscopy) Analysis for confirmation of asbestos presence and identification only, following selections of EPA 600/R-93/116 (method not covered by NVLAP asbestos accreditation); NA = not analyzed; this report relates ONLY to the items tested.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
AmeriSci
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-482858
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

923041049

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SB-22-1.0	05-APR-2023 10:28	482858-017	1	Soil	Asbestos by PLM (P/A)	
SB-15-1.0	05-APR-2023 11:00	482858-023	1	Soil	Asbestos by PLM (P/A)	
SB-02-6.0	05-APR-2023 13:45	482858-040	1	Soil	Asbestos by PLM (P/A)	

Notes:	Relinquished By:	Received By:
	[signature]	Glenda Luzon [signature]
	Date: 4/6/23 1107	Date: 4.6.23e 11:10
	Date:	Date:
	Date:	Date:

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

enthalpy.com

Lab Job Number: 484731
Report Level: II
Report Date: 05/19/2023

Analytical Report *prepared for:*

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - LAUSD-GARFIELD HS, S030.056.003

Authorized for release by:

Patty Mata, Project Manager
patty.mata@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

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Project No: Location: Dates Received:	484731 LAUSD SCHOOL LAUSD-GARFIELD HS, S030.056.003 04/04/23,04/05/23

Sample ID	Lab ID	Collected	Matrix
DUP-01	484731-001	04/04/23 13:33	Soil
DUP-02	484731-002	04/04/23 13:36	Soil
DUP-03	484731-003	04/05/23 11:34	Soil
DUP-04	484731-004	04/05/23 11:45	Soil
DUP-05	484731-005	04/04/23 09:33	Soil
DUP-06	484731-006	04/04/23 09:57	Soil
DUP-07	484731-007	04/04/23 10:07	Soil
DUP-08	484731-008	04/04/23 10:10	Soil
SB-14-5.0	484731-009	04/05/23 11:47	Soil

ENTHALPY ANALYTICAL

Case Narrative

Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612 Darren Croteau	Lab Job Number: 484731 Project No: LAUSD SCHOOL Location: LAUSD-GARFIELD HS, S030.056.003 Dates Received: 04/04/23, 04/05/23

This data package contains sample and QC results for nine soil samples, requested for the above referenced project on 05/08/23. The samples were received cold and intact. The EPA 8081-Pesticide tests and EPA 8082 PCB tests were requested outside of the 14-day extraction hold times. Results for additional tests are included in this report.

Pesticides (EPA 8081A):

- The samples were prepared outside of hold time; affected data was qualified with "H". The tests were requested past the 14-day hold time.
- DUP-06 (lab # 484731-006) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

PCBs (EPA 8082):

- High RPD was observed for Aroclor-1016 and Aroclor-1260 in the MS/MSD for batch 313955; the parent sample was not a project sample.
- 484731-005 was prepared outside of hold time; affected data was qualified with "H". The test was requested past the 14-day hold time.
- No other analytical problems were encountered.

Metals (EPA 6020) Soil:

- Low recoveries were observed for arsenic and lead in the MS of DUP-03 (lab # 484731-003); the LCS was within limits. High RPD was also observed for arsenic and lead in the MS/MSD of DUP-03 (lab # 484731-003).
- Lead was detected between the MDL and the RL in the method blank for batch 314165; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Metals (EPA 6010B) TCLP Leachate:
No analytical problems were encountered.

Metals (EPA 6010B) WET Leachate:
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 484731
Project No: LAUSD SCHOOL
Location: LAUSD-GARFIELD HS, S030.056.003
Dates Received: 04/04/23,04/05/23

Sample ID: DUP-01 **Lab ID: 484731-001** **Collected: 04/04/23 13:33**
Matrix: Soil

484731-001 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.98	0.27
Lead	**7.4**		mg/Kg	0.49	0.067

Sample ID: DUP-02 **Lab ID: 484731-002** **Collected: 04/04/23 13:36**
Matrix: Soil

484731-002 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.7**		mg/Kg	0.96	0.27
Lead	**6.3**		mg/Kg	0.48	0.066

Sample ID: DUP-03 **Lab ID: 484731-003** **Collected: 04/05/23 11:34**
Matrix: Soil

484731-003 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**3.3**		mg/Kg	0.97	0.20
Lead	**10**		mg/Kg	0.49	0.089
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**28**	H,J	ug/Kg	49	11

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: DUP-04	Lab ID: 484731-004	Collected: 04/05/23 11:45

484731-004 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: EPA 3010A						
Lead	**0.14**	J	mg/L	0.15	0.024	TCLP Leachate
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.75**		mg/L	0.15	0.024	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**6.3**		mg/Kg	0.95	0.26	Soil
Lead	**200**		mg/Kg	0.48	0.065	Soil
Method: EPA 8081A Prep Method: EPA 3546						
Dieldrin	**3.5**	H,J	ug/Kg	4.9	1.4	Soil
4,4'-DDE	**1.8**	C,H,J	ug/Kg	4.9	1.4	Soil
4,4'-DDT	**3.8**	H,J	ug/Kg	4.9	1.4	Soil
Chlordane (Technical)	**59**	H	ug/Kg	49	11	Soil

Sample ID: DUP-05	Lab ID: 484731-005	Collected: 04/04/23 09:33
	Matrix: Soil	

484731-005 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**3.7**		mg/Kg	0.93	0.26
Lead	**61**		mg/Kg	0.46	0.063
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**5.0**	C,H,J	ug/Kg	5.0	1.4
4,4'-DDE	**18**	H	ug/Kg	5.0	1.4
4,4'-DDD	**16**	H	ug/Kg	5.0	1.1
Chlordane (Technical)	**200**	H	ug/Kg	50	11
Method: EPA 8082 Prep Method: EPA 3546					
Aroclor-1260	**84**	H	ug/Kg	50	24

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: DUP-06	Lab ID: 484731-006	Collected: 04/04/23 09:57
	Matrix: Soil	

484731-006 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.8**		mg/Kg	0.96	0.27
Lead	**9.5**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**28**	H,J	ug/Kg	99	22

Sample ID: DUP-07	Lab ID: 484731-007	Collected: 04/04/23 10:07

484731-007 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.097**	J	mg/L	0.15	0.024	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**5.1**		mg/Kg	1.0	0.28	Soil
Lead	**66**		mg/Kg	0.50	0.068	Soil
Method: EPA 8081A Prep Method: EPA 3546						
Dieldrin	**3.6**	H,J	ug/Kg	5.0	1.4	Soil
4,4'-DDE	**7.8**	H	ug/Kg	5.0	1.4	Soil
4,4'-DDT	**13**	C,H	ug/Kg	5.0	1.4	Soil
Chlordane (Technical)	**170**	H	ug/Kg	50	11	Soil

Sample ID: DUP-08	Lab ID: 484731-008	Collected: 04/04/23 10:10
	Matrix: Soil	

484731-008 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.99	0.27
Lead	**100**		mg/Kg	0.50	0.068
Method: EPA 8081A Prep Method: EPA 3546					
4,4'-DDE	**4.3**	H,J	ug/Kg	5.0	1.4
Chlordane (Technical)	**63**	H	ug/Kg	50	11

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

Detection Summary

Sample ID: SB-14-5.0	Lab ID: 484731-009	Collected: 04/05/23 11:47
	Matrix: Soil	

484731-009 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Lead	**53**		mg/Kg	0.49	0.066

C Presence confirmed, but RPD between columns exceeds 40%
H Holding time was exceeded
J Estimated value

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

[EXTERNAL] Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Thu, May 4, 2023 at 4:58 PM
To: Patty Mata <patty.mata@enthalpy.com>

Hello Patty,

If there is sample volume left, can we run the following additional tests for our Garfield High School project:

Original Sample ID	Enthalpy ID	New Sample ID	Arsenic (6020)	Lead (6020)	OCPs (8081)	PCBs (8082)
SB-08-1.0	482773-007	DUP-01	X	X	X	
SB-08-3.0	482773-008	DUP-02	X	X	X	
SB-14-1.0	482858-028	DUP-03	X	X	X	
SB-14-3.0	482858-029	DUP-04	X	X	X	
SB-21-1.0	482773-034	DUP-05	X	X	X	X
SB-21-3.0	482773-035	DUP-06	X	X	X	
SB-34-1.0	482773-061	DUP-07	X	X	X	
SB-34-3.0	482773-062	DUP-08	X	X	X	

I understand that the OCPs at least are out of hold times but if we can we'd like to still run them. Let me know what else may be out of hold time and if this can be completed.

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

RE: [EXTERNAL] RE: LAUSD Garfield HS prelim results - Enthalpy Data (484731)

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Tue, May 16, 2023 at 9:56 AM
To: Patty Mata <patty.mata@enthalpy.com>

Thanks Patty,

Do you know how quickly we can expect to receive the results? Is it possible to run the results on an expedited turnaround to receive the data by the end of the week?

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

jonathan.marshak@terraphase.com

From: Patty Mata <patty.mata@enthalpy.com>
Sent: Tuesday, May 16, 2023 9:54 AM
To: Jonathan Marshak <jonathan.marshak@terraphase.com>
Subject: Re: [EXTERNAL] RE: LAUSD Garfield HS prelim results - Enthalpy Data (484731)

Hi Jon,

I just saw this email below so I will update the changes.

Thank you,

Patty

On Tue, May 16, 2023 at 9:46 AM Jonathan Marshak <jonathan.marshak@terraphase.com> wrote:

> Hello Patty,

Please disregard the previous email. We would like to only run DUP-04 and DUP-07 for lead STLC and TCLP, and SB-14-5.0 (sample 482858-030) for lead.

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

jonathan.marshak@terraphase.com

From: Jonathan Marshak
Sent: Tuesday, May 16, 2023 9:26 AM
To: patty.mata@enthalpy.com
Subject: RE: LAUSD Garfield HS prelim results - Enthalpy Data (484731)

Hello Patty,

Can we please run DUP-04, DUP-05, DUP-07 & DUP-08 for STLC, and DUP-04 & DUP-08 TLCP Lead.

Can we also please run sand SB-14-5.0 (sample 482858-030) for lead?

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

jonathan.marshak@terraphase.com

ENTHALPY ANALYTICAL

Analysis Results for 484731

Darren Croteau	Lab Job #: 484731
Terraphase Engineering	Project No: LAUSD SCHOOL
18401 Von Karman Ave, Suite #410	Location: LAUSD-GARFIELD HS, S030.056.003
Irvine, CA 92612	Dates Received: 04/04/23,04/05/23

Sample ID: DUP-01 **Lab ID: 484731-001** **Collected: 04/04/23 13:33**
Matrix: Soil

484731-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.98	0.27	0.98	313862	05/12/23	05/15/23	JCP
Lead	**7.4**		mg/Kg	0.49	0.067	0.98	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	4.9	1.2	0.98	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	4.9	1.7	0.98	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	4.9	1.0	0.98	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	4.9	1.3	0.98	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	4.9	1.3	0.98	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	4.9	1.8	0.98	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Dieldrin	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDE	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	4.9	1.6	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	4.9	1.1	0.98	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	4.9	1.7	0.98	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDT	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	9.8	5.0	0.98	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	98	15	0.98	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	ND	H	ug/Kg	49	11	0.98	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**						
TCMX	89%	H	%REC	23-120		0.98	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	88%	H	%REC	24-120		0.98	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484731

Sample ID: DUP-02	Lab ID: 484731-002	Collected: 04/04/23 13:36
	Matrix: Soil	

484731-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.7**		mg/Kg	0.96	0.27	0.96	313862	05/12/23	05/15/23	JCP
Lead	**6.3**		mg/Kg	0.48	0.066	0.96	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	4.9	1.2	0.98	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	4.9	1.6	0.98	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	4.9	1.0	0.98	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	4.9	1.3	0.98	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	4.9	1.3	0.98	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	4.9	1.8	0.98	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Dieldrin	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDE	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	4.9	1.6	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	4.9	1.1	0.98	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	4.9	1.7	0.98	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDT	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	9.8	5.0	0.98	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	98	14	0.98	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	ND	H	ug/Kg	49	11	0.98	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**						
TCMX	83%	H	%REC	23-120		0.98	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	79%	H	%REC	24-120		0.98	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 484731

Sample ID: DUP-03	Lab ID: 484731-003	Collected: 04/05/23 11:34
	Matrix: Soil	

484731-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**3.3**		mg/Kg	0.97	0.20	0.97	313977	05/15/23	05/15/23	JCP
Lead	**10**		mg/Kg	0.49	0.089	0.97	313977	05/15/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	4.9	1.2	0.99	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	4.9	1.7	0.99	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	4.9	1.0	0.99	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	4.9	1.3	0.99	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	4.9	1.5	0.99	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	4.9	1.3	0.99	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	4.9	1.8	0.99	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	4.9	1.4	0.99	313806	05/12/23	05/12/23	MES
Dieldrin	ND	H	ug/Kg	4.9	1.4	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDE	ND	H	ug/Kg	4.9	1.4	0.99	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	4.9	1.5	0.99	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	4.9	1.5	0.99	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	4.9	1.6	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	4.9	1.1	0.99	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	4.9	1.7	0.99	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	4.9	1.4	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDT	ND	H	ug/Kg	4.9	1.4	0.99	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	9.9	5.0	0.99	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	99	15	0.99	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	**28**	H,J	ug/Kg	49	11	0.99	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**						
TCMX	89%	H	%REC	23-120		0.99	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	85%	H	%REC	24-120		0.99	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 484731

Sample ID: DUP-04	Lab ID: 484731-004	Collected: 04/05/23 11:45

484731-004 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A											
Lead	**0.14**	J	mg/L	0.15	0.024	TCLP Leachate	10	314102	05/17/23	05/18/23	SBW
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.75**		mg/L	0.15	0.024	WET Leachate	10	314084	05/18/23	05/18/23	THP
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**6.3**		mg/Kg	0.95	0.26	Soil	0.95	313977	05/15/23	05/15/23	JCP
Lead	**200**		mg/Kg	0.48	0.065	Soil	0.95	313977	05/15/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND	H	ug/Kg	4.9	1.2	Soil	0.98	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	4.9	1.6	Soil	0.98	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	4.9	1.0	Soil	0.98	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	4.9	1.3	Soil	0.98	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	4.9	1.5	Soil	0.98	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	4.9	1.3	Soil	0.98	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	4.9	1.8	Soil	0.98	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	4.9	1.4	Soil	0.98	313806	05/12/23	05/12/23	MES
Dieldrin	**3.5**	H,J	ug/Kg	4.9	1.4	Soil	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDE	**1.8**	C,H,J	ug/Kg	4.9	1.4	Soil	0.98	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	4.9	1.5	Soil	0.98	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	4.9	1.5	Soil	0.98	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	4.9	1.6	Soil	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	4.9	1.1	Soil	0.98	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	4.9	1.7	Soil	0.98	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	4.9	1.4	Soil	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDT	**3.8**	H,J	ug/Kg	4.9	1.4	Soil	0.98	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	9.8	5.0	Soil	0.98	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	98	14	Soil	0.98	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	**59**	H	ug/Kg	49	11	Soil	0.98	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**							
TCMX	78%	H	%REC	23-120		Soil	0.98	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	74%	H	%REC	24-120		Soil	0.98	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 484731

Sample ID: DUP-05	Lab ID: 484731-005	Collected: 04/04/23 09:33
	Matrix: Soil	

484731-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**3.7**		mg/Kg	0.93	0.26	0.93	313862	05/12/23	05/15/23	JCP
Lead	**61**		mg/Kg	0.46	0.063	0.93	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	5.0	1.2	0.99	313806	05/12/23	05/12/23	TRN
beta-BHC	ND	H	ug/Kg	5.0	1.7	0.99	313806	05/12/23	05/12/23	TRN
gamma-BHC	ND	H	ug/Kg	5.0	1.0	0.99	313806	05/12/23	05/12/23	TRN
delta-BHC	ND	H	ug/Kg	5.0	1.3	0.99	313806	05/12/23	05/12/23	TRN
Heptachlor	ND	H	ug/Kg	5.0	1.5	0.99	313806	05/12/23	05/12/23	TRN
Aldrin	ND	H	ug/Kg	5.0	1.3	0.99	313806	05/12/23	05/12/23	TRN
Heptachlor epoxide	ND	H	ug/Kg	5.0	1.8	0.99	313806	05/12/23	05/12/23	TRN
Endosulfan I	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	TRN
Dieldrin	**5.0**	C,H,J	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	TRN
4,4'-DDE	**18**	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	TRN
Endrin	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	TRN
Endosulfan II	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	TRN
Endosulfan sulfate	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	TRN
4,4'-DDD	**16**	H	ug/Kg	5.0	1.1	0.99	313806	05/12/23	05/12/23	TRN
Endrin aldehyde	ND	H	ug/Kg	5.0	1.7	0.99	313806	05/12/23	05/12/23	TRN
Endrin ketone	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	TRN
4,4'-DDT	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	TRN
Methoxychlor	ND	H	ug/Kg	9.9	5.0	0.99	313806	05/12/23	05/12/23	TRN
Toxaphene	ND	H	ug/Kg	99	15	0.99	313806	05/12/23	05/12/23	TRN
Chlordane (Technical)	**200**	H	ug/Kg	50	11	0.99	313806	05/12/23	05/12/23	TRN
Surrogates				**Limits**						
TCMX	81%	H	%REC	23-120		0.99	313806	05/12/23	05/12/23	TRN
Decachlorobiphenyl	73%	H	%REC	24-120		0.99	313806	05/12/23	05/12/23	TRN
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND	H	ug/Kg	50	14	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1221	ND	H	ug/Kg	50	23	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1232	ND	H	ug/Kg	50	18	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1242	ND	H	ug/Kg	50	18	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1248	ND	H	ug/Kg	50	21	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1254	ND	H	ug/Kg	50	6.5	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1260	**84**	H	ug/Kg	50	24	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1262	ND	H	ug/Kg	50	16	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1268	ND	H	ug/Kg	50	13	0.99	313955	05/15/23	05/16/23	TJW
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	71%	H	%REC	19-121		0.99	313955	05/15/23	05/16/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 484731

Sample ID: DUP-06	Lab ID: 484731-006	Collected: 04/04/23 09:57
	Matrix: Soil	

484731-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.8**		mg/Kg	0.96	0.27	0.96	313862	05/12/23	05/15/23	JCP
Lead	**9.5**		mg/Kg	0.48	0.066	0.96	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	9.9	2.4	2	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	9.9	3.3	2	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	9.9	2.1	2	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	9.9	2.7	2	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	9.9	3.0	2	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	9.9	2.7	2	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	9.9	3.6	2	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	9.9	2.8	2	313806	05/12/23	05/12/23	MES
Dieldrin	ND	H	ug/Kg	9.9	2.8	2	313806	05/12/23	05/12/23	MES
4,4'-DDE	ND	H	ug/Kg	9.9	2.8	2	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	9.9	3.1	2	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	9.9	3.1	2	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	9.9	3.2	2	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	9.9	2.2	2	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	9.9	3.3	2	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	9.9	2.7	2	313806	05/12/23	05/12/23	MES
4,4'-DDT	ND	H	ug/Kg	9.9	2.8	2	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	20	10	2	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	200	29	2	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	**28**	H,J	ug/Kg	99	22	2	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**						
TCMX	83%	H	%REC	23-120		2	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	75%	H	%REC	24-120		2	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 484731

Sample ID: DUP-07	Lab ID: 484731-007	Collected: 04/04/23 10:07

484731-007 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A											
Lead	ND		mg/L	0.15	0.036	TCLP Leachate	10	314102	05/17/23	05/17/23	SBW
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.097**	J	mg/L	0.15	0.024	WET Leachate	10	314084	05/18/23	05/18/23	THP
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**5.1**		mg/Kg	1.0	0.28	Soil	1	313862	05/12/23	05/15/23	JCP
Lead	**66**		mg/Kg	0.50	0.068	Soil	1	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND	H	ug/Kg	5.0	1.2	Soil	1	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	5.0	1.7	Soil	1	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	5.0	1.0	Soil	1	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	5.0	1.5	Soil	1	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	5.0	1.3	Soil	1	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	5.0	1.8	Soil	1	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
Dieldrin	**3.6**	H,J	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
4,4'-DDE	**7.8**	H	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	5.0	1.6	Soil	1	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	5.0	1.6	Soil	1	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	5.0	1.6	Soil	1	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	5.0	1.1	Soil	1	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	5.0	1.7	Soil	1	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
4,4'-DDT	**13**	C,H	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	10	5.1	Soil	1	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	100	15	Soil	1	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	**170**	H	ug/Kg	50	11	Soil	1	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**							
TCMX	90%	H	%REC	23-120		Soil	1	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	84%	H	%REC	24-120		Soil	1	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 484731

Sample ID: DUP-08	Lab ID: 484731-008	Collected: 04/04/23 10:10
	Matrix: Soil	

484731-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.99	0.27	0.99	313862	05/12/23	05/15/23	JCP
Lead	**100**		mg/Kg	0.50	0.068	0.99	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	5.0	1.2	0.99	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	5.0	1.7	0.99	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	5.0	1.0	0.99	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	5.0	1.3	0.99	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	5.0	1.5	0.99	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	5.0	1.3	0.99	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	5.0	1.8	0.99	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	MES
Dieldrin	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDE	**4.3**	H,J	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	5.0	1.1	0.99	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	5.0	1.7	0.99	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDT	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	9.9	5.0	0.99	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	99	15	0.99	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	**63**	H	ug/Kg	50	11	0.99	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**						
TCMX	85%	H	%REC	23-120		0.99	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	79%	H	%REC	24-120		0.99	313806	05/12/23	05/12/23	MES

Sample ID: SB-14-5.0	Lab ID: 484731-009	Collected: 04/05/23 11:47
	Matrix: Soil	

484731-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Lead	**53**		mg/Kg	0.49	0.066	0.97	314165	05/17/23	05/17/23	JCP

C Presence confirmed, but RPD between columns exceeds 40%
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC1066530	Batch:	314102
Matrix:	TCLP Leachate	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1066530 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.15	0.036	05/17/23	05/17/23

Type:	Lab Control Sample	Lab ID:	QC1066531	Batch:	314102
Matrix:	TCLP Leachate	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1066531 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	20.08	20.00	mg/L	100%		80-120

Type:	Matrix Spike	Lab ID:	QC1066532	Batch:	314102
Matrix (Source ID):	TCLP Leachate (485165-001)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1066532 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	20.46	0.3479	20.00	mg/L	101%		75-125	10

Type:	Matrix Spike Duplicate	Lab ID:	QC1066533	Batch:	314102
Matrix (Source ID):	TCLP Leachate (485165-001)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1066533 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	20.64	0.3479	20.00	mg/L	101%		75-125	1	20	10

Type:	Blank	Lab ID:	QC1066292	Batch:	314084
Matrix:	WET Leachate	Method:	EPA 6010B	Prep Method:	METHOD

QC1066292 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.15	0.036	05/18/23	05/18/23

Type:	Lab Control Sample	Lab ID:	QC1066293	Batch:	314084
Matrix:	WET Leachate	Method:	EPA 6010B	Prep Method:	METHOD

QC1066293 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	4.325	4.000	mg/L	108%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1066294	Batch:	314084
Matrix:	WET Leachate	Method:	EPA 6010B	Prep Method:	METHOD

QC1066294 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Lead	4.421	4.000	mg/L	111%		80-120	2	20

Type:	Blank	Lab ID:	QC1065521	Batch:	313862
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1065521 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.28	05/12/23	05/15/23
Lead	ND		mg/Kg	0.50	0.068	05/12/23	05/15/23

Type:	Lab Control Sample	Lab ID:	QC1065522	Batch:	313862
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1065522 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	105.2	100.0	mg/Kg	105%		80-120
Lead	107.5	100.0	mg/Kg	107%		80-120

Type:	Matrix Spike	Lab ID:	QC1065523	Batch:	313862
Matrix (Source ID):	Soil (484731-001)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1065523 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	101.4	5.455	102.0	mg/Kg	94%		75-125	1
Lead	111.2	7.352	102.0	mg/Kg	102%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1065524	Batch:	313862
Matrix (Source ID):	Soil (484731-001)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1065524 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	104.7	5.455	101.0	mg/Kg	98%		75-125	4	20	1
Lead	115.2	7.352	101.0	mg/Kg	107%		75-125	4	20	1

Type:	Blank	Lab ID:	QC1065930	Batch:	313977
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1065930 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.21	05/15/23	05/15/23
Lead	ND		mg/Kg	0.50	0.091	05/15/23	05/15/23

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1065931	Batch:	313977
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1065931 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	93.26	100.0	mg/Kg	93%		80-120
Lead	92.34	100.0	mg/Kg	92%		80-120

Type:	Matrix Spike	Lab ID:	QC1065932	Batch:	313977
Matrix (Source ID):	Soil (484731-003)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1065932 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	67.58	3.292	96.15	mg/Kg	67%	*	75-125	0.96
Lead	73.26	10.32	96.15	mg/Kg	65%	*	75-125	0.96

Type:	Matrix Spike Duplicate	Lab ID:	QC1065933	Batch:	313977
Matrix (Source ID):	Soil (484731-003)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1065933 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	109.4	3.292	98.04	mg/Kg	108%		75-125	45*	20	0.98
Lead	116.9	10.32	98.04	mg/Kg	109%		75-125	44*	20	0.98

Type:	Blank	Lab ID:	QC1066558	Batch:	314165
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1066558 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	0.073	J	mg/Kg	0.50	0.068	05/17/23	05/17/23

Type:	Lab Control Sample	Lab ID:	QC1066559	Batch:	314165
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1066559 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	103.5	100.0	mg/Kg	103%		80-120

Type:	Matrix Spike	Lab ID:	QC1066560	Batch:	314165
Matrix (Source ID):	Soil (484731-009)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1066560 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	162.4	53.36	97.09	mg/Kg	112%		75-125	0.97

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1066561	Batch:	314165
Matrix (Source ID):	Soil (484731-009)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1066561 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	138.1	53.36	96.15	mg/Kg	88%		75-125	16	20	0.96

Type:	Blank	Lab ID:	QC1065355	Batch:	313806
Matrix:	Soil	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1065355 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	1.2	05/12/23	05/12/23
beta-BHC	ND		ug/Kg	5.0	1.7	05/12/23	05/12/23
gamma-BHC	ND		ug/Kg	5.0	1.0	05/12/23	05/12/23
delta-BHC	ND		ug/Kg	5.0	1.3	05/12/23	05/12/23
Heptachlor	ND		ug/Kg	5.0	1.5	05/12/23	05/12/23
Aldrin	ND		ug/Kg	5.0	1.3	05/12/23	05/12/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	05/12/23	05/12/23
Endosulfan I	ND		ug/Kg	5.0	1.4	05/12/23	05/12/23
Dieldrin	ND		ug/Kg	5.0	1.4	05/12/23	05/12/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	05/12/23	05/12/23
Endrin	ND		ug/Kg	5.0	1.6	05/12/23	05/12/23
Endosulfan II	ND		ug/Kg	5.0	1.6	05/12/23	05/12/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	05/12/23	05/12/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	05/12/23	05/12/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	05/12/23	05/12/23
Endrin ketone	ND		ug/Kg	5.0	1.4	05/12/23	05/12/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	05/12/23	05/12/23
Methoxychlor	ND		ug/Kg	10	5.0	05/12/23	05/12/23
Toxaphene	ND		ug/Kg	100	15	05/12/23	05/12/23
Chlordane (Technical)	ND		ug/Kg	50	11	05/12/23	05/12/23
Surrogates				**Limits**			
TCMX	84%		%REC	23-120		05/12/23	05/12/23
Decachlorobiphenyl	83%		%REC	24-120		05/12/23	05/12/23

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1065356	Batch:	313806
Matrix:	Soil	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1065356 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	47.30	49.16	ug/Kg	96%		22-129
beta-BHC	45.05	49.16	ug/Kg	92%		28-125
gamma-BHC	47.16	49.16	ug/Kg	96%		22-128
delta-BHC	46.30	49.16	ug/Kg	94%		24-131
Heptachlor	47.74	49.16	ug/Kg	97%		18-124
Aldrin	40.86	49.16	ug/Kg	83%		23-120
Heptachlor epoxide	45.19	49.16	ug/Kg	92%		26-120
Endosulfan I	48.95	49.16	ug/Kg	100%		25-126
Dieldrin	47.31	49.16	ug/Kg	96%		23-124
4,4'-DDE	47.94	49.16	ug/Kg	98%		28-121
Endrin	48.05	49.16	ug/Kg	98%		25-127
Endosulfan II	47.65	49.16	ug/Kg	97%		29-121
Endosulfan sulfate	44.82	49.16	ug/Kg	91%		30-121
4,4'-DDD	50.05	49.16	ug/Kg	102%		26-120
Endrin aldehyde	29.98	49.16	ug/Kg	61%		10-120
Endrin ketone	44.68	49.16	ug/Kg	91%		28-125
4,4'-DDT	47.36	49.16	ug/Kg	96%		22-125
Methoxychlor	48.37	49.16	ug/Kg	98%		28-130
Surrogates						
TCMX	42.90	49.16	ug/Kg	87%		23-120
Decachlorobiphenyl	40.71	49.16	ug/Kg	83%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1065357	Batch:	313806
Matrix (Source ID):	Soil (484731-005)	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1065357 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	46.70	ND	49.31	ug/Kg	95%		46-120	0.99
beta-BHC	44.07	ND	49.31	ug/Kg	89%		41-120	0.99
gamma-BHC	46.51	ND	49.31	ug/Kg	94%		41-120	0.99
delta-BHC	46.06	ND	49.31	ug/Kg	93%		38-123	0.99
Heptachlor	46.07	ND	49.31	ug/Kg	93%		39-120	0.99
Aldrin	41.56	ND	49.31	ug/Kg	84%		34-120	0.99
Heptachlor epoxide	47.60	ND	49.31	ug/Kg	97%		43-120	0.99
Endosulfan I	46.39	ND	49.31	ug/Kg	94%		45-120	0.99
Dieldrin	54.04	4.959	49.31	ug/Kg	100%		45-120	0.99
4,4'-DDE	66.66	18.36	49.31	ug/Kg	98%		34-120	0.99
Endrin	47.83	ND	49.31	ug/Kg	97%		40-120	0.99
Endosulfan II	48.63	ND	49.31	ug/Kg	99%		41-120	0.99
Endosulfan sulfate	44.92	ND	49.31	ug/Kg	91%		42-120	0.99
4,4'-DDD	67.25	16.15	49.31	ug/Kg	104%		41-120	0.99
Endrin aldehyde	41.09	ND	49.31	ug/Kg	83%		30-120	0.99
Endrin ketone	44.25	ND	49.31	ug/Kg	90%		45-120	0.99
4,4'-DDT	61.93	ND	49.31	ug/Kg	126%		35-127	0.99
Methoxychlor	51.40	ND	49.31	ug/Kg	104%		42-136	0.99
Surrogates								
TCMX	42.16		49.31	ug/Kg	86%		23-120	0.99
Decachlorobiphenyl	41.04		49.31	ug/Kg	83%		24-120	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1065358	Batch:	313806
Matrix (Source ID):	Soil (484731-005)	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1065358 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	48.04	ND	49.02	ug/Kg	98%		46-120	3	30	0.98
beta-BHC	44.32	ND	49.02	ug/Kg	90%		41-120	1	30	0.98
gamma-BHC	47.60	ND	49.02	ug/Kg	97%		41-120	3	30	0.98
delta-BHC	46.55	ND	49.02	ug/Kg	95%		38-123	2	30	0.98
Heptachlor	47.26	ND	49.02	ug/Kg	96%		39-120	3	30	0.98
Aldrin	42.80	ND	49.02	ug/Kg	87%		34-120	4	30	0.98
Heptachlor epoxide	47.88	ND	49.02	ug/Kg	98%		43-120	1	30	0.98
Endosulfan I	46.95	ND	49.02	ug/Kg	96%		45-120	2	30	0.98
Dieldrin	52.23	4.959	49.02	ug/Kg	96%		45-120	3	30	0.98
4,4'-DDE	63.55	18.36	49.02	ug/Kg	92%		34-120	4	30	0.98
Endrin	48.32	ND	49.02	ug/Kg	99%		40-120	2	30	0.98
Endosulfan II	49.30	ND	49.02	ug/Kg	101%		41-120	2	30	0.98
Endosulfan sulfate	43.54	ND	49.02	ug/Kg	89%		42-120	3	30	0.98
4,4'-DDD	63.02	16.15	49.02	ug/Kg	96%		41-120	6	30	0.98
Endrin aldehyde	38.99	ND	49.02	ug/Kg	80%		30-120	5	30	0.98
Endrin ketone	42.25	ND	49.02	ug/Kg	86%		45-120	4	30	0.98
4,4'-DDT	60.79	ND	49.02	ug/Kg	124%		35-127	1	30	0.98
Methoxychlor	51.35	ND	49.02	ug/Kg	105%		42-136	1	30	0.98
Surrogates										
TCMX	43.22		49.02	ug/Kg	88%		23-120			0.98
Decachlorobiphenyl	39.22		49.02	ug/Kg	80%		24-120			0.98

Type:	Blank	Lab ID:	QC1065848	Batch:	313955
Matrix:	Soil	Method:	EPA 8082	Prep Method:	EPA 3546

QC1065848 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	49	13	05/15/23	05/15/23
Aroclor-1221	ND		ug/Kg	49	11	05/15/23	05/15/23
Aroclor-1232	ND		ug/Kg	49	11	05/15/23	05/15/23
Aroclor-1242	ND		ug/Kg	49	16	05/15/23	05/15/23
Aroclor-1248	ND		ug/Kg	49	17	05/15/23	05/15/23
Aroclor-1254	ND		ug/Kg	49	15	05/15/23	05/15/23
Aroclor-1260	ND		ug/Kg	49	23	05/15/23	05/15/23
Aroclor-1262	ND		ug/Kg	49	13	05/15/23	05/15/23
Aroclor-1268	ND		ug/Kg	49	14	05/15/23	05/15/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	81%		%REC	19-121		05/15/23	05/15/23

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1065907	Batch:	313955
Matrix:	Soil	Method:	EPA 8082	Prep Method:	EPA 3546

QC1065907 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	456.7	496.5	ug/Kg	92%		14-150
Aroclor-1260	527.8	496.5	ug/Kg	106%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	54.76	49.65	ug/Kg	110%		19-121

Type:	Matrix Spike	Lab ID:	QC1065908	Batch:	313955
Matrix (Source ID):	Soil (484923-037)	Method:	EPA 8082	Prep Method:	EPA 3546

QC1065908 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	405.3	ND	494.6	ug/Kg	82%		42-127	2
Aroclor-1260	447.0	ND	494.6	ug/Kg	90%		38-130	2
Surrogates								
Decachlorobiphenyl (PCB)	49.31		49.46	ug/Kg	100%		19-121	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1065909	Batch:	313955
Matrix (Source ID):	Soil (484923-037)	Method:	EPA 8082	Prep Method:	EPA 3546

QC1065909 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	295.8	ND	496.5	ug/Kg	60%		42-127	32*	30	2
Aroclor-1260	313.6	ND	496.5	ug/Kg	63%		38-130	35*	30	2
Surrogates										
Decachlorobiphenyl (PCB)	33.46		49.65	ug/Kg	67%		19-121			2

* Value is outside QC limits
J Estimated value
ND Not Detected

Enthalpy Analytical
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Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 482859
Report Level: II
Report Date: 04/25/2023

Analytical Report *prepared for:*

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - LAUSD-Garfield HS, S030.056.003

Authorized for release by:

Patty Mata, Project Manager
patty.mata@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

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #:	482859
	Project No:	LAUSD SCHOOL
	Location:	LAUSD-Garfield HS, S030.056.003
	Date Received:	04/05/23

Sample ID	Lab ID	Collected	Matrix
IDW-230405	482859-001	04/05/23 15:15	Soil

Case Narrative

Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612 Darren Croteau	Lab Job Number: 482859 Project No: LAUSD SCHOOL Location: LAUSD-Garfield HS, S030.056.003 Date Received: 04/05/23

This data package contains sample and QC results for one soil sample, requested for the above referenced project on 04/05/23. The sample was received cold and intact. Sample was originally received on hold but had tests requested per client's 4/18/23 email.

Pesticides (EPA 8081A):

- IDW-230405 (lab # 482859-001) was diluted due to the color of the sample extract. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD of IDW-230405 (lab # 482859-001); the LCS was within limits, and the associated RPD was within limits. High recovery was observed for barium in the MS of IDW-230405 (lab # 482859-001); the LCS was within limits, and the associated RPD was within limits.
- Lead and zinc were detected between the MDL and the RL in the method blank for batch 312015; these analytes were detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482859
Project No: LAUSD SCHOOL
Location: LAUSD-Garfield HS, S030.056.003
Date Received: 04/05/23

Sample ID: IDW-230405 **Lab ID: 482859-001** **Collected: 04/05/23 15:15**
Matrix: Soil

482859-001 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	**5.8**		mg/Kg	0.96	0.45
Barium	**130**		mg/Kg	0.96	0.11
Beryllium	**0.49**		mg/Kg	0.48	0.029
Cadmium	**0.32**	J	mg/Kg	0.48	0.034
Chromium	**33**		mg/Kg	0.96	0.092
Cobalt	**16**		mg/Kg	0.48	0.10
Copper	**24**		mg/Kg	0.96	0.24
Lead	**14**		mg/Kg	0.96	0.14
Molybdenum	**0.76**	J	mg/Kg	0.96	0.18
Nickel	**23**		mg/Kg	0.96	0.18
Selenium	**0.94**	J	mg/Kg	2.9	0.36
Silver	**0.33**	J	mg/Kg	0.48	0.24
Vanadium	**54**		mg/Kg	0.96	0.078
Zinc	**81**		mg/Kg	4.8	0.16
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.079**	J	mg/Kg	0.16	0.0058
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**4.3**	J	mg/Kg	10	1.1
ORO C28-C44	**1.5**	J	mg/Kg	20	1.1
Method: EPA 8260B Prep Method: EPA 5035					
Toluene	**1.8**	J	ug/Kg	3.7	0.7
Ethylbenzene	**0.8**	J	ug/Kg	3.7	0.7
m,p-Xylenes	**3.4**	J	ug/Kg	7.4	1.0
o-Xylene	**1.1**	J	ug/Kg	3.7	0.7
1,2,4-Trimethylbenzene	**1.1**	J	ug/Kg	3.7	0.7
Xylene (total)	**4.6**	J	ug/Kg	3.7	

J Estimated value

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482859

Page: 1 of 1

Turn Around Time (rush by advanced notice only)					
Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

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

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030-656-003
Address:	19401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA	Address:	5101 E 6th St. LOS ANGELES CA
Phone:	(949) 377-7227	Global ID:	
Fax:		Sampled By:	J. CATINO / B. MERCADO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request	Test Instructions / Comments
1	IDW-230405	4/5/23	1515	S	1 8oz / 5 40ml	ICE		HOLD
2								
3								
4								
5								
6								
7								
8								
9								
10								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	JULIANNA CATINO	TEI / GEOLOGIST	4/5/23 1642
1 Received By:	[signature]	Annaleah Smallcomb	EA	4/5/23 1642
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Terraphase Engineering Project: LAUSD Garfield

Date Received: 4/5/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

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

Sample Temp (°C), One from each cooler: #1: 2.8 #2: 10.2 #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: 0.2 #2: 1.3 #3: _____ #4: _____

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

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: _____ Date: 4/5/23

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

RE: [EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Tue, Apr 18, 2023 at 10:26 AM
To: Patty Mata <patty.mata@enthalpy.com>, Daniel Chavez <daniel.chavez@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>, Darren Croteau <darren.croteau@terraphase.com>

Hello Patty,

Can we please also take sample 482859-001 off of hold and run it for Metals (6010/7471), TPH full scan (8015M), VOCs (8260B) and OCPs (8081A) on standard TAT.

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

jonathan.marshak@terraphase.com

From: Jonathan Marshak
Sent: Friday, April 14, 2023 2:38 PM
To: Patty Mata <patty.mata@enthalpy.com>; Daniel Chavez <daniel.chavez@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>; Darren Croteau <darren.croteau@terraphase.com>
Subject: RE: [EXTERNAL] LAUSD Garfield HS

Hello Patty,

In addition to the additional TPH tests listed earlier can we please run the following additional tests:

Sample ID	Enthalpy ID	Lead	Lead		Arsenic
		EPA 6020	STLC	TCLP	STLC
SB-13-1.0	482773-070				X

ENTHALPY ANALYTICAL

Analysis Results for 482859

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482859
Project No: LAUSD SCHOOL
Location: LAUSD-Garfield HS, S030.056.003
Date Received: 04/05/23

Sample ID: IDW-230405 **Lab ID: 482859-001** **Collected: 04/05/23 15:15**
Matrix: Soil

482859-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.75	0.96	312015	04/18/23	04/18/23	SBW
Arsenic	**5.8**		mg/Kg	0.96	0.45	0.96	312015	04/18/23	04/18/23	SBW
Barium	**130**		mg/Kg	0.96	0.11	0.96	312015	04/18/23	04/18/23	SBW
Beryllium	**0.49**		mg/Kg	0.48	0.029	0.96	312015	04/18/23	04/19/23	SBW
Cadmium	**0.32**	J	mg/Kg	0.48	0.034	0.96	312015	04/18/23	04/18/23	SBW
Chromium	**33**		mg/Kg	0.96	0.092	0.96	312015	04/18/23	04/18/23	SBW
Cobalt	**16**		mg/Kg	0.48	0.10	0.96	312015	04/18/23	04/18/23	SBW
Copper	**24**		mg/Kg	0.96	0.24	0.96	312015	04/18/23	04/18/23	SBW
Lead	**14**		mg/Kg	0.96	0.14	0.96	312015	04/18/23	04/18/23	SBW
Molybdenum	**0.76**	J	mg/Kg	0.96	0.18	0.96	312015	04/18/23	04/18/23	SBW
Nickel	**23**		mg/Kg	0.96	0.18	0.96	312015	04/18/23	04/18/23	SBW
Selenium	**0.94**	J	mg/Kg	2.9	0.36	0.96	312015	04/18/23	04/18/23	SBW
Silver	**0.33**	J	mg/Kg	0.48	0.24	0.96	312015	04/18/23	04/18/23	SBW
Thallium	ND		mg/Kg	2.9	0.49	0.96	312015	04/18/23	04/18/23	SBW
Vanadium	**54**		mg/Kg	0.96	0.078	0.96	312015	04/18/23	04/18/23	SBW
Zinc	**81**		mg/Kg	4.8	0.16	0.96	312015	04/18/23	04/18/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.079**	J	mg/Kg	0.16	0.0058	1.2	312066	04/19/23	04/19/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10	1.1	1	312108	04/19/23	04/20/23	BJG
DRO C10-C28	**4.3**	J	mg/Kg	10	1.1	1	312108	04/19/23	04/20/23	BJG
ORO C28-C44	**1.5**	J	mg/Kg	20	1.1	1	312108	04/19/23	04/20/23	BJG
Surrogates				**Limits**						
n-Triacontane	105%		%REC	70-130		1	312108	04/19/23	04/20/23	BJG
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	25	6.1	5	311990	04/19/23	04/19/23	MES
beta-BHC	ND		ug/Kg	25	8.4	5	311990	04/19/23	04/19/23	MES
gamma-BHC	ND		ug/Kg	25	5.2	5	311990	04/19/23	04/19/23	MES
delta-BHC	ND		ug/Kg	25	6.8	5	311990	04/19/23	04/19/23	MES
Heptachlor	ND		ug/Kg	25	7.5	5	311990	04/19/23	04/19/23	MES
Aldrin	ND		ug/Kg	25	6.4	5	311990	04/19/23	04/19/23	MES
Heptachlor epoxide	ND		ug/Kg	25	9.1	5	311990	04/19/23	04/19/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482859

482859-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan I	ND		ug/Kg	25	7.1	5	311990	04/19/23	04/19/23	MES
Dieldrin	ND		ug/Kg	25	7.2	5	311990	04/19/23	04/19/23	MES
4,4'-DDE	ND		ug/Kg	25	7.2	5	311990	04/19/23	04/19/23	MES
Endrin	ND		ug/Kg	25	7.8	5	311990	04/19/23	04/19/23	MES
Endosulfan II	ND		ug/Kg	25	7.8	5	311990	04/19/23	04/19/23	MES
Endosulfan sulfate	ND		ug/Kg	25	8.1	5	311990	04/19/23	04/19/23	MES
4,4'-DDD	ND		ug/Kg	25	5.5	5	311990	04/19/23	04/19/23	MES
Endrin aldehyde	ND		ug/Kg	25	8.4	5	311990	04/19/23	04/19/23	MES
Endrin ketone	ND		ug/Kg	25	6.9	5	311990	04/19/23	04/19/23	MES
4,4'-DDT	ND		ug/Kg	25	7.2	5	311990	04/19/23	04/19/23	MES
Methoxychlor	ND		ug/Kg	50	25	5	311990	04/19/23	04/19/23	MES
Toxaphene	ND		ug/Kg	500	74	5	311990	04/19/23	04/19/23	MES
Chlordane (Technical)	ND		ug/Kg	250	54	5	311990	04/19/23	04/19/23	MES
Surrogates				**Limits**						
TCMX	63%		%REC	23-120		5	311990	04/19/23	04/19/23	MES
Decachlorobiphenyl	54%		%REC	24-120		5	311990	04/19/23	04/19/23	MES
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	3.7	1.0	0.74	311957	04/18/23	04/18/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.7	2.4	0.74	311957	04/18/23	04/18/23	EJB
Freon 12	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
Chloromethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Vinyl Chloride	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Bromomethane	ND		ug/Kg	3.7	1.1	0.74	311957	04/18/23	04/18/23	EJB
Chloroethane	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
Trichlorofluoromethane	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
Acetone	ND		ug/Kg	74	15	0.74	311957	04/18/23	04/18/23	EJB
Freon 113	ND		ug/Kg	3.7	0.8	0.74	311957	04/18/23	04/18/23	EJB
1,1-Dichloroethene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Methylene Chloride	ND		ug/Kg	3.7	1.4	0.74	311957	04/18/23	04/18/23	EJB
MTBE	ND		ug/Kg	3.7	0.8	0.74	311957	04/18/23	04/18/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1-Dichloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
2-Butanone	ND		ug/Kg	74	15	0.74	311957	04/18/23	04/18/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
2,2-Dichloropropane	ND		ug/Kg	3.7	0.8	0.74	311957	04/18/23	04/18/23	EJB
Chloroform	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Bromochloromethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1-Dichloropropene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Carbon Tetrachloride	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2-Dichloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Benzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Trichloroethene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2-Dichloropropane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482859

482859-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromodichloromethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Dibromomethane	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	3.7	1.3	0.74	311957	04/18/23	04/18/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
Toluene	**1.8**	J	ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,3-Dichloropropane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Tetrachloroethene	ND		ug/Kg	3.7	1.4	0.74	311957	04/18/23	04/18/23	EJB
Dibromochloromethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2-Dibromoethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Chlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Ethylbenzene	**0.8**	J	ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
m,p-Xylenes	**3.4**	J	ug/Kg	7.4	1.0	0.74	311957	04/18/23	04/18/23	EJB
o-Xylene	**1.1**	J	ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Styrene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Bromoform	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Isopropylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Propylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Bromobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
2-Chlorotoluene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
4-Chlorotoluene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
tert-Butylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2,4-Trimethylbenzene	**1.1**	J	ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
sec-Butylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
n-Butylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.7	1.0	0.74	311957	04/18/23	04/18/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Hexachlorobutadiene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Naphthalene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Xylene (total)	**4.6**	J	ug/Kg	3.7		0.74	311957	04/18/23	04/18/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		0.74	311957	04/18/23	04/18/23	EJB
1,2-Dichloroethane-d4	110%		%REC	70-145		0.74	311957	04/18/23	04/18/23	EJB
Toluene-d8	102%		%REC	70-145		0.74	311957	04/18/23	04/18/23	EJB
Bromofluorobenzene	103%		%REC	70-145		0.74	311957	04/18/23	04/18/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482859

J	Estimated value
ND	Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1059382	Batch: 312015
Matrix: Miscell.	Method: EPA 6010B	Prep Method: EPA 3050B

QC1059382 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	0.78	04/18/23	04/18/23
Arsenic	ND		mg/Kg	1.0	0.47	04/18/23	04/18/23
Barium	ND		mg/Kg	1.0	0.12	04/18/23	04/19/23
Beryllium	ND		mg/Kg	0.50	0.030	04/18/23	04/18/23
Cadmium	ND		mg/Kg	0.50	0.036	04/18/23	04/18/23
Chromium	ND		mg/Kg	1.0	0.095	04/18/23	04/18/23
Cobalt	ND		mg/Kg	0.50	0.11	04/18/23	04/18/23
Copper	ND		mg/Kg	1.0	0.25	04/18/23	04/18/23
Lead	0.25	J	mg/Kg	1.0	0.14	04/18/23	04/18/23
Molybdenum	ND		mg/Kg	1.0	0.18	04/18/23	04/18/23
Nickel	ND		mg/Kg	1.0	0.18	04/18/23	04/18/23
Selenium	ND		mg/Kg	3.0	0.37	04/18/23	04/19/23
Silver	ND		mg/Kg	0.50	0.25	04/18/23	04/18/23
Thallium	ND		mg/Kg	3.0	0.51	04/18/23	04/18/23
Vanadium	ND		mg/Kg	1.0	0.081	04/18/23	04/18/23
Zinc	0.68	J	mg/Kg	5.0	0.17	04/18/23	04/19/23

Type: Lab Control Sample	Lab ID: QC1059403	Batch: 312015
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1059403 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	106.8	100.0	mg/Kg	107%		80-120
Arsenic	104.0	100.0	mg/Kg	104%		80-120
Barium	113.0	100.0	mg/Kg	113%		80-120
Beryllium	99.56	100.0	mg/Kg	100%		80-120
Cadmium	114.4	100.0	mg/Kg	114%		80-120
Chromium	111.4	100.0	mg/Kg	111%		80-120
Cobalt	111.1	100.0	mg/Kg	111%		80-120
Copper	106.0	100.0	mg/Kg	106%		80-120
Lead	109.1	100.0	mg/Kg	109%		80-120
Molybdenum	108.9	100.0	mg/Kg	109%		80-120
Nickel	111.9	100.0	mg/Kg	112%		80-120
Selenium	95.97	100.0	mg/Kg	96%		80-120
Silver	49.13	50.00	mg/Kg	98%		80-120
Thallium	107.5	100.0	mg/Kg	107%		80-120
Vanadium	108.1	100.0	mg/Kg	108%		80-120
Zinc	114.1	100.0	mg/Kg	114%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1059404	Batch:	312015
Matrix (Source ID):	Soil (482859-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1059404 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	53.55	ND	96.15	mg/Kg	56%	*	75-125	0.96
Arsenic	106.9	5.757	96.15	mg/Kg	105%		75-125	0.96
Barium	260.6	133.9	96.15	mg/Kg	132%	*	75-125	0.96
Beryllium	96.95	0.4899	96.15	mg/Kg	100%		75-125	0.96
Cadmium	109.2	0.3215	96.15	mg/Kg	113%		75-125	0.96
Chromium	143.0	33.36	96.15	mg/Kg	114%		75-125	0.96
Cobalt	122.5	16.13	96.15	mg/Kg	111%		75-125	0.96
Copper	134.9	23.70	96.15	mg/Kg	116%		75-125	0.96
Lead	116.6	13.86	96.15	mg/Kg	107%		75-125	0.96
Molybdenum	104.8	0.7640	96.15	mg/Kg	108%		75-125	0.96
Nickel	128.2	22.80	96.15	mg/Kg	110%		75-125	0.96
Selenium	93.38	0.9396	96.15	mg/Kg	96%		75-125	0.96
Silver	49.45	0.3285	48.08	mg/Kg	102%		75-125	0.96
Thallium	99.61	ND	96.15	mg/Kg	104%		75-125	0.96
Vanadium	164.3	54.27	96.15	mg/Kg	114%		75-125	0.96
Zinc	186.4	80.80	96.15	mg/Kg	110%		75-125	0.96

Type:	Matrix Spike Duplicate	Lab ID:	QC1059405	Batch:	312015
Matrix (Source ID):	Soil (482859-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1059405 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	54.52	ND	98.04	mg/Kg	56%	*	75-125	0	41	0.98
Arsenic	108.6	5.757	98.04	mg/Kg	105%		75-125	0	35	0.98
Barium	241.8	133.9	98.04	mg/Kg	110%		75-125	8	20	0.98
Beryllium	99.24	0.4899	98.04	mg/Kg	101%		75-125	0	20	0.98
Cadmium	111.5	0.3215	98.04	mg/Kg	113%		75-125	0	20	0.98
Chromium	142.6	33.36	98.04	mg/Kg	111%		75-125	2	20	0.98
Cobalt	121.0	16.13	98.04	mg/Kg	107%		75-125	3	20	0.98
Copper	133.7	23.70	98.04	mg/Kg	112%		75-125	2	20	0.98
Lead	117.2	13.86	98.04	mg/Kg	105%		75-125	1	20	0.98
Molybdenum	106.3	0.7640	98.04	mg/Kg	108%		75-125	1	20	0.98
Nickel	128.2	22.80	98.04	mg/Kg	107%		75-125	2	20	0.98
Selenium	95.06	0.9396	98.04	mg/Kg	96%		75-125	0	20	0.98
Silver	50.17	0.3285	49.02	mg/Kg	102%		75-125	0	20	0.98
Thallium	101.2	ND	98.04	mg/Kg	103%		75-125	0	20	0.98
Vanadium	162.6	54.27	98.04	mg/Kg	111%		75-125	2	20	0.98
Zinc	184.0	80.80	98.04	mg/Kg	105%		75-125	2	20	0.98

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1059533**	**Batch:**	**312066**
Matrix:	**Soil**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1059533 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.0050	04/19/23	04/19/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1059534**	**Batch:**	**312066**
Matrix:	**Soil**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1059534 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8185	0.8333	mg/Kg	98%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1059535**	**Batch:**	**312066**
Matrix (Source ID):	**Soil (483574-029)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1059535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9643	0.04245	0.8475	mg/Kg	109%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1059536**	**Batch:**	**312066**
Matrix (Source ID):	**Soil (483574-029)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1059536 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8755	0.04245	0.8475	mg/Kg	98%		75-125	10	20	1

Type:	**Blank**	**Lab ID:**	**QC1059678**	**Batch:**	**312108**
Matrix:	**Soil**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059678 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	9.9	1.1	04/19/23	04/20/23
DRO C10-C28	ND		mg/Kg	9.9	1.1	04/19/23	04/20/23
ORO C28-C44	ND		mg/Kg	20	1.1	04/19/23	04/20/23
Surrogates				**Limits**			
n-Triacontane	97%		%REC	70-130		04/19/23	04/20/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1059679**	**Batch:**	**312108**
Matrix:	**Soil**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059679 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	213.1	248.3	mg/Kg	86%		76-122
Surrogates						
n-Triacontane	9.670	9.930	mg/Kg	97%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1059680**	**Batch:**	**312108**
Matrix (Source ID):	**Soil (483588-012)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059680 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	223.1	ND	248.0	mg/Kg	90%		62-126	0.99
Surrogates								
n-Triacontane	9.542		9.921	mg/Kg	96%		70-130	0.99

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1059681**	**Batch:**	**312108**
Matrix (Source ID):	**Soil (483588-012)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059681 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	214.3	ND	248.0	mg/Kg	86%		62-126	4	35	0.99
Surrogates										
n-Triacontane	9.167		9.921	mg/Kg	92%		70-130			0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1059330**	**Batch:**	**311990**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1059330 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	1.2	04/18/23	04/19/23
beta-BHC	ND		ug/Kg	5.0	1.7	04/18/23	04/19/23
gamma-BHC	ND		ug/Kg	5.0	1.0	04/18/23	04/19/23
delta-BHC	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
Heptachlor	ND		ug/Kg	5.0	1.5	04/18/23	04/19/23
Aldrin	ND		ug/Kg	5.0	1.3	04/18/23	04/19/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	04/18/23	04/19/23
Endosulfan I	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
Dieldrin	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
Endrin	ND		ug/Kg	5.0	1.6	04/18/23	04/19/23
Endosulfan II	ND		ug/Kg	5.0	1.6	04/18/23	04/19/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	04/18/23	04/19/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	04/18/23	04/19/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	04/18/23	04/19/23
Endrin ketone	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
Methoxychlor	ND		ug/Kg	10	5.1	04/18/23	04/19/23
Toxaphene	ND		ug/Kg	100	15	04/18/23	04/19/23
Chlordane (Technical)	ND		ug/Kg	50	11	04/18/23	04/19/23
Surrogates				**Limits**			
TCMX	59%		%REC	23-120		04/18/23	04/19/23
Decachlorobiphenyl	54%		%REC	24-120		04/18/23	04/19/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1059331**	**Batch:**	**311990**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1059331 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	37.33	50.05	ug/Kg	75%		22-129
beta-BHC	36.20	50.05	ug/Kg	72%		28-125
gamma-BHC	36.51	50.05	ug/Kg	73%		22-128
delta-BHC	36.82	50.05	ug/Kg	74%		24-131
Heptachlor	35.37	50.05	ug/Kg	71%		18-124
Aldrin	31.71	50.05	ug/Kg	63%		23-120
Heptachlor epoxide	35.83	50.05	ug/Kg	72%		26-120
Endosulfan I	37.48	50.05	ug/Kg	75%		25-126
Dieldrin	35.46	50.05	ug/Kg	71%		23-124
4,4'-DDE	35.96	50.05	ug/Kg	72%		28-121
Endrin	38.38	50.05	ug/Kg	77%		25-127
Endosulfan II	35.16	50.05	ug/Kg	70%		29-121
Endosulfan sulfate	34.93	50.05	ug/Kg	70%		30-121
4,4'-DDD	36.03	50.05	ug/Kg	72%		26-120
Endrin aldehyde	25.04	50.05	ug/Kg	50%		10-120
Endrin ketone	36.36	50.05	ug/Kg	73%		28-125
4,4'-DDT	33.51	50.05	ug/Kg	67%		22-125
Methoxychlor	36.12	50.05	ug/Kg	72%		28-130
Surrogates						
TCMX	32.50	50.05	ug/Kg	65%		23-120
Decachlorobiphenyl	29.56	50.05	ug/Kg	59%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1059334**	**Batch:**	**311990**
Matrix (Source ID):	**Soil (483380-005)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1059334 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	36.34	ND	50.20	ug/Kg	72%		46-120	1
beta-BHC	36.26	ND	50.20	ug/Kg	72%		41-120	1
gamma-BHC	35.27	ND	50.20	ug/Kg	70%		41-120	1
delta-BHC	35.69	ND	50.20	ug/Kg	71%		38-123	1
Heptachlor	34.70	ND	50.20	ug/Kg	69%		39-120	1
Aldrin	35.93	ND	50.20	ug/Kg	72%		34-120	1
Heptachlor epoxide	37.01	ND	50.20	ug/Kg	74%		43-120	1
Endosulfan I	35.43	ND	50.20	ug/Kg	71%		45-120	1
Dieldrin	33.85	ND	50.20	ug/Kg	67%		45-120	1
4,4'-DDE	35.68	ND	50.20	ug/Kg	71%		34-120	1
Endrin	37.96	ND	50.20	ug/Kg	76%		40-120	1
Endosulfan II	33.79	ND	50.20	ug/Kg	67%		41-120	1
Endosulfan sulfate	32.50	ND	50.20	ug/Kg	65%		42-120	1
4,4'-DDD	33.94	ND	50.20	ug/Kg	68%		41-120	1
Endrin aldehyde	25.47	ND	50.20	ug/Kg	51%		30-120	1
Endrin ketone	33.88	ND	50.20	ug/Kg	67%		45-120	1
4,4'-DDT	35.94	ND	50.20	ug/Kg	72%		35-127	1
Methoxychlor	35.26	ND	50.20	ug/Kg	70%		42-136	1
Surrogates								
TCMX	32.39		50.20	ug/Kg	65%		23-120	1
Decachlorobiphenyl	29.10		50.20	ug/Kg	58%		24-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1059335	Batch:	311990
Matrix (Source ID):	Soil (483380-005)	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1059335 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	38.19	ND	50.20	ug/Kg	76%		46-120	5	30	1
beta-BHC	38.00	ND	50.20	ug/Kg	76%		41-120	5	30	1
gamma-BHC	36.83	ND	50.20	ug/Kg	73%		41-120	4	30	1
delta-BHC	37.42	ND	50.20	ug/Kg	75%		38-123	5	30	1
Heptachlor	36.27	ND	50.20	ug/Kg	72%		39-120	4	30	1
Aldrin	36.03	ND	50.20	ug/Kg	72%		34-120	0	30	1
Heptachlor epoxide	37.37	ND	50.20	ug/Kg	74%		43-120	1	30	1
Endosulfan I	37.39	ND	50.20	ug/Kg	74%		45-120	5	30	1
Dieldrin	36.51	ND	50.20	ug/Kg	73%		45-120	8	30	1
4,4'-DDE	36.45	ND	50.20	ug/Kg	73%		34-120	2	30	1
Endrin	39.53	ND	50.20	ug/Kg	79%		40-120	4	30	1
Endosulfan II	35.43	ND	50.20	ug/Kg	71%		41-120	5	30	1
Endosulfan sulfate	34.29	ND	50.20	ug/Kg	68%		42-120	5	30	1
4,4'-DDD	35.48	ND	50.20	ug/Kg	71%		41-120	4	30	1
Endrin aldehyde	27.17	ND	50.20	ug/Kg	54%		30-120	6	30	1
Endrin ketone	36.04	ND	50.20	ug/Kg	72%		45-120	6	30	1
4,4'-DDT	37.62	ND	50.20	ug/Kg	75%		35-127	5	30	1
Methoxychlor	36.48	ND	50.20	ug/Kg	73%		42-136	3	30	1
Surrogates										
TCMX	33.74		50.20	ug/Kg	67%		23-120			1
Decachlorobiphenyl	29.90		50.20	ug/Kg	60%		24-120			1

Type:	Lab Control Sample	Lab ID:	QC1059224	Batch:	311957
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5035

QC1059224 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.41	50.00	ug/Kg	103%		70-131
MTBE	46.22	50.00	ug/Kg	92%		69-130
Benzene	50.52	50.00	ug/Kg	101%		70-130
Trichloroethene	55.59	50.00	ug/Kg	111%		70-130
Toluene	52.14	50.00	ug/Kg	104%		70-130
Chlorobenzene	51.05	50.00	ug/Kg	102%		70-130
Surrogates						
Dibromofluoromethane	49.29	50.00	ug/Kg	99%		70-130
1,2-Dichloroethane-d4	51.88	50.00	ug/Kg	104%		70-145
Toluene-d8	51.81	50.00	ug/Kg	104%		70-145
Bromofluorobenzene	50.45	50.00	ug/Kg	101%		70-145

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1059225**	**Batch:**	**311957**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1059225 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.25	50.00	ug/Kg	96%		70-131	6	33
MTBE	46.05	50.00	ug/Kg	92%		69-130	0	30
Benzene	48.11	50.00	ug/Kg	96%		70-130	5	30
Trichloroethene	52.05	50.00	ug/Kg	104%		70-130	7	30
Toluene	48.18	50.00	ug/Kg	96%		70-130	8	30
Chlorobenzene	47.44	50.00	ug/Kg	95%		70-130	7	30
Surrogates								
Dibromofluoromethane	50.93	50.00	ug/Kg	102%		70-130		
1,2-Dichloroethane-d4	53.03	50.00	ug/Kg	106%		70-145		
Toluene-d8	50.67	50.00	ug/Kg	101%		70-145		
Bromofluorobenzene	49.83	50.00	ug/Kg	100%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1059228	Batch: 311957
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1059228 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	1.3	04/18/23	04/18/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	3.2	04/18/23	04/18/23
Freon 12	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
Chloromethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Vinyl Chloride	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Bromomethane	ND		ug/Kg	5.0	1.5	04/18/23	04/18/23
Chloroethane	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
Trichlorofluoromethane	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
Acetone	ND		ug/Kg	100	20	04/18/23	04/18/23
Freon 113	ND		ug/Kg	5.0	1.1	04/18/23	04/18/23
1,1-Dichloroethene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Methylene Chloride	ND		ug/Kg	5.0	1.8	04/18/23	04/18/23
MTBE	ND		ug/Kg	5.0	1.1	04/18/23	04/18/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1-Dichloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
2-Butanone	ND		ug/Kg	100	20	04/18/23	04/18/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
2,2-Dichloropropane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Chloroform	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Bromochloromethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1-Dichloropropene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Carbon Tetrachloride	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2-Dichloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Benzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Trichloroethene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2-Dichloropropane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Bromodichloromethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Dibromomethane	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.8	04/18/23	04/18/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
Toluene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,3-Dichloropropane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Tetrachloroethene	ND		ug/Kg	5.0	1.9	04/18/23	04/18/23
Dibromochloromethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2-Dibromoethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Chlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Ethylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23

ENTHALPY ANALYTICAL

Batch QC

QC1059228 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	10	1.4	04/18/23	04/18/23
o-Xylene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Styrene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Bromoform	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Isopropylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Propylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Bromobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
2-Chlorotoluene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
4-Chlorotoluene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
tert-Butylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
sec-Butylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
para-Isopropyl Toluene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
n-Butylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.4	04/18/23	04/18/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Hexachlorobutadiene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Naphthalene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Xylene (total)	ND		ug/Kg	5.0		04/18/23	04/18/23
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		04/18/23	04/18/23
1,2-Dichloroethane-d4	101%		%REC	70-145		04/18/23	04/18/23
Toluene-d8	100%		%REC	70-145		04/18/23	04/18/23
Bromofluorobenzene	96%		%REC	70-145		04/18/23	04/18/23

* Value is outside QC limits
J Estimated value
ND Not Detected

Appendix E

95UCL Analysis

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.15/25/2023 2:34:48 PM								
5	From File			Input - Lead and Arsenic - all data.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	Arsenic											
12												
13	General Statistics											
14	Total Number of Observations					80	Number of Distinct Observations					33
15							Number of Missing Observations					2
16	Minimum					1.8	Mean					6.405
17	Maximum					79	Median					5.35
18	SD					8.426	Std. Error of Mean					0.942
19	Coefficient of Variation					1.315	Skewness					8.314
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic					0.243	Shapiro Wilk GOF Test					
23	5% Shapiro Wilk P Value					0	Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic					0.419	Lilliefors GOF Test					
25	5% Lilliefors Critical Value					0.0991	Data Not Normal at 5% Significance Level					
26	Data Not Normal at 5% Significance Level											
27												
28	Assuming Normal Distribution											
29	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
30	95% Student's-t UCL					7.973	95% Adjusted-CLT UCL (Chen-1995)					8.89
31							95% Modified-t UCL (Johnson-1978)					8.119
32												
33	Gamma GOF Test											
34	A-D Test Statistic					12.65	Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value					0.758	Data Not Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic					0.333	Kolmogorov-Smirnov Gamma GOF Test					
37	5% K-S Critical Value					0.1	Data Not Gamma Distributed at 5% Significance Level					
38	Data Not Gamma Distributed at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)					3.155	k star (bias corrected MLE)					3.045
42	Theta hat (MLE)					2.03	Theta star (bias corrected MLE)					2.103
43	nu hat (MLE)					504.8	nu star (bias corrected)					487.2
44	MLE Mean (bias corrected)					6.405	MLE Sd (bias corrected)					3.67
45							Approximate Chi Square Value (0.05)					437
46	Adjusted Level of Significance					0.047	Adjusted Chi Square Value					436.2
47												

	A	B	C	D	E	F	G	H	I	J	K	L
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL (use when n>=50))					7.14	95% Adjusted Gamma UCL (use when n<50)					7.155
50												
51	Lognormal GOF Test											
52	Shapiro Wilk Test Statistic					0.688	Shapiro Wilk Lognormal GOF Test					
53	5% Shapiro Wilk P Value					0	Data Not Lognormal at 5% Significance Level					
54	Lilliefors Test Statistic					0.268	Lilliefors Lognormal GOF Test					
55	5% Lilliefors Critical Value					0.0991	Data Not Lognormal at 5% Significance Level					
56	Data Not Lognormal at 5% Significance Level											
57												
58	Lognormal Statistics											
59	Minimum of Logged Data					0.588	Mean of logged Data					1.69
60	Maximum of Logged Data					4.369	SD of logged Data					0.425
61												
62	Assuming Lognormal Distribution											
63	95% H-UCL					6.471	90% Chebyshev (MVUE) UCL					6.804
64	95% Chebyshev (MVUE) UCL					7.202	97.5% Chebyshev (MVUE) UCL					7.754
65	99% Chebyshev (MVUE) UCL					8.838						
66												
67	Nonparametric Distribution Free UCL Statistics											
68	Data do not follow a Discernible Distribution (0.05)											
69												
70	Nonparametric Distribution Free UCLs											
71	95% CLT UCL					7.954	95% Jackknife UCL					7.973
72	95% Standard Bootstrap UCL					7.891	95% Bootstrap-t UCL					12.82
73	95% Hall's Bootstrap UCL					13.53	95% Percentile Bootstrap UCL					8.21
74	95% BCA Bootstrap UCL					9.236						
75	90% Chebyshev(Mean, Sd) UCL					9.231	95% Chebyshev(Mean, Sd) UCL					10.51
76	97.5% Chebyshev(Mean, Sd) UCL					12.29	99% Chebyshev(Mean, Sd) UCL					15.78
77												
78	Suggested UCL to Use											
79	95% Student's-t UCL					7.973	or 95% Modified-t UCL					8.119
80												
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
82	Recommendations are based upon data size, data distribution, and skewness.											
83	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
84	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
85												
86												

	A	B	C	D	E	F	G	H	I	J	K	L
87	Lead											
88												
89						General Statistics						
90					Total Number of Observations	82				Number of Distinct Observations		51
91										Number of Missing Observations		0
92					Minimum	3				Mean		21.72
93					Maximum	200				Median		7.55
94					SD	33.11				Std. Error of Mean		3.656
95					Coefficient of Variation	1.524				Skewness		3.288
96												
97						Normal GOF Test						
98					Shapiro Wilk Test Statistic	0.565				Shapiro Wilk GOF Test		
99					5% Shapiro Wilk P Value	0				Data Not Normal at 5% Significance Level		
100					Lilliefors Test Statistic	0.301				Lilliefors GOF Test		
101					5% Lilliefors Critical Value	0.098				Data Not Normal at 5% Significance Level		
102						Data Not Normal at 5% Significance Level						
103												
104						Assuming Normal Distribution						
105					95% Normal UCL					95% UCLs (Adjusted for Skewness)		
106					95% Student's-t UCL	27.81				95% Adjusted-CLT UCL (Chen-1995)		29.15
107										95% Modified-t UCL (Johnson-1978)		28.03
108												
109						Gamma GOF Test						
110					A-D Test Statistic	7.961				Anderson-Darling Gamma GOF Test		
111					5% A-D Critical Value	0.783				Data Not Gamma Distributed at 5% Significance Level		
112					K-S Test Statistic	0.235				Kolmogorov-Smirnov Gamma GOF Test		
113					5% K-S Critical Value	0.102				Data Not Gamma Distributed at 5% Significance Level		
114						Data Not Gamma Distributed at 5% Significance Level						
115												
116						Gamma Statistics						
117					k hat (MLE)	0.97				k star (bias corrected MLE)		0.943
118					Theta hat (MLE)	22.39				Theta star (bias corrected MLE)		23.04
119					nu hat (MLE)	159.1				nu star (bias corrected)		154.6
120					MLE Mean (bias corrected)	21.72				MLE Sd (bias corrected)		22.37
121										Approximate Chi Square Value (0.05)		126.9
122					Adjusted Level of Significance	0.0471				Adjusted Chi Square Value		126.4
123												
124						Assuming Gamma Distribution						
125					95% Approximate Gamma UCL (use when n>=50))	26.47				95% Adjusted Gamma UCL (use when n<50)		26.57
126												
127						Lognormal GOF Test						
128					Shapiro Wilk Test Statistic	0.821				Shapiro Wilk Lognormal GOF Test		
129					5% Shapiro Wilk P Value	4.063E-14				Data Not Lognormal at 5% Significance Level		
130					Lilliefors Test Statistic	0.195				Lilliefors Lognormal GOF Test		
131					5% Lilliefors Critical Value	0.098				Data Not Lognormal at 5% Significance Level		
132						Data Not Lognormal at 5% Significance Level						
133												
134						Lognormal Statistics						
135					Minimum of Logged Data	1.099				Mean of logged Data		2.481
136					Maximum of Logged Data	5.298				SD of logged Data		0.96
137												

	A	B	C	D	E	F	G	H	I	J	K	L
138	Assuming Lognormal Distribution											
139					95% H-UCL	23.97				90% Chebyshev (MVUE) UCL		25.88
140				95% Chebyshev (MVUE) UCL		29.08				97.5% Chebyshev (MVUE) UCL		33.52
141				99% Chebyshev (MVUE) UCL		42.25						
142												
143	Nonparametric Distribution Free UCL Statistics											
144	Data do not follow a Discernible Distribution (0.05)											
145												
146	Nonparametric Distribution Free UCLs											
147					95% CLT UCL	27.74				95% Jackknife UCL		27.81
148				95% Standard Bootstrap UCL		27.65				95% Bootstrap-t UCL		30.1
149				95% Hall's Bootstrap UCL		30.67				95% Percentile Bootstrap UCL		27.91
150				95% BCA Bootstrap UCL		29.81						
151				90% Chebyshev(Mean, Sd) UCL		32.69				95% Chebyshev(Mean, Sd) UCL		37.66
152				97.5% Chebyshev(Mean, Sd) UCL		44.56				99% Chebyshev(Mean, Sd) UCL		58.1
153												
154	Suggested UCL to Use											
155				95% Chebyshev (Mean, Sd) UCL		37.66						
156												
157	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
158	Recommendations are based upon data size, data distribution, and skewness.											
159	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
160	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
161												

Appendix F

Initial Study/Mitigated Negative Declaration Notice of Intent

NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION AND NOTICE OF PUBLIC COMMENT PERIOD FOR PRELIMINARY ENVIRONMENTAL ASSESSMENT – EQUIVALENT AND SOIL REMOVAL PLAN

TO: Agencies, Organizations, and Interested Parties

PROJECT TITLE: James A. Garfield High School Major Modernization Project

SUBJECT: Notice of Intent to Adopt a Mitigated Negative Declaration and Notice of Public Comment Period for Preliminary Environmental Assessment-Equivalent (PEA-E) and Soil Removal Plan (SRP)

Notice is hereby given that the Los Angeles Unified School District (LAUSD or District), as Lead Agency under the California Environmental Quality Act (CEQA) has prepared an Initial Study (IS) for the James A. Garfield High School Major Modernization Project (proposed Project), pursuant to the CEQA (Public Resources Code [PRC], Division 13, Section 21000 et seq. [CEQA Statutes] and the California Code of Regulations [CCR], Title 14, Division 6, Chapter 3, Section 15000 et seq. [CEQA Guidelines]). Based on the conclusions of the IS, LAUSD determined that the proposed Project would have no significant adverse impacts on the environment after the implementation of mitigation measures and a Mitigated Negative Declaration (MND) is appropriate. The District is providing public notice in compliance with CCR Title 14, Chapter 3, Sections 15072 and 15073, as amended. Notice is further given that a Preliminary Environmental Assessment – Equivalent (PEA-E) and a Soil Removal Plan (SRP) has been prepared for the proposed Project and is available for review.

PROJECT LOCATION: The 19.3-acre Garfield High School (HS) campus is located at 5101 East Sixth Street in East Los Angeles, an unincorporated area within Los Angeles County.

PROJECT DESCRIPTION: The proposed Project is designed to address the most critical physical concerns of the buildings and grounds at Garfield HS through building replacement, renovation, and modernization to provide facilities that are safe, secure, and better aligned with the current instructional program. The proposed Project includes the demolition of two permanent buildings and two portable buildings, demolition of a second-story pedestrian bridge, construction of a staff parking lot, and construction of a new permanent building that provides adequate learning spaces and support areas. Additionally, the proposed Project includes upgrades to and replacement of aging utilities and infrastructure, Internet Protocol (IP) convergence, and new landscaping and hardscaping. Limited modernization of existing structures including accessible facilities consistent with the requirements of the Americans with Disabilities Act (ADA) and seismic retrofit pursuant to California Assembly Bill 300 would also be implemented. The PEA-E and SRP presents the findings of the site assessment investigations performed for this proposed Project. The campus is not on any of the lists compiled under Government Code Section 65926.5.

DOCUMENT AVAILABILITY: The IS-MND, PEA-E, and SRP are available electronically for public review at the locations listed below.

- Garfield High School (Main Office) - 5101 E 6th St, East Los Angeles, CA 90022
- LAUSD Office of Environmental Health and Safety websites:
  - CEQA IS-MND (https://www.lausd.org/ceqa)
  - PEA-E and SRP (https://www.lausd.org/siteassessment)
- California State Clearinghouse (https://ceqanet.opr.ca.gov/)

PUBLIC REVIEW PERIOD: The IS-MND (prepared pursuant to CCR, Title 14, Section 15073[a]), PEA-E, and SRP are available for public review and comment from April 17, 2024 to May 17, 2024.

RESPONSES AND COMMENTS: Please indicate a contact person for your agency or organization and send your comments to:

CEQA and PEA-E Questions and Comments
Los Angeles Unified School District
Office of Environmental Health and Safety
Attention: Christy Wong, CEQA Project Manager
333 South Beaudry Avenue, 21st Floor
Los Angeles, CA 90017
Email: CEQA-comments@lausd.net
Please include "Garfield HS Major Mod" in the subject line.

THIS NOTICE WAS POSTED
ON April 17 2024
UNTIL May 17 2024
REGISTRAR – RECORDER/COUNTY CLERK

2024 083291
FILED
Apr 17 2024
Dean C. Logan, Registrar – Recorder/County Clerk
Electronically signed by TODD TRAN

COMMENT MEETING: LAUSD will hold a virtual public meeting on **May 8, 2024** at **6:00pm. Please connect via Zoom or by phone:**

- Zoom Online Meeting Link: https://lausd.zoom.us/j/81131182486; Zoom Online Webinar Meeting ID #:**811 3118 2486**
- Phone # Dial In: +1 213-338-8477; ID# **811 3118 2486**

All agencies, organizations, and interested parties are encouraged to attend.

LAUSD BOARD HEARING: Additional information concerning the proposed Project will be posted on the District's OEHS website: https://www.lausd.org/ceqa. The LAUSD Board of Education (Board) will consider this item during a scheduled meeting. Check the LAUSD Board website to find the meeting date and time at https://www.lausd.org/boe.

AVISO DE INTENCIÓN DE ADOPTAR UNA DECLARACIÓN NEGATIVA MITIGADA Y DE UN PERIODO DE COMENTARIOS PÚBLICOS PARA LA EVALUACIÓN AMBIENTAL PRELIMINAR — EQUIVALENTE Y EL PLAN DE REMOCIÓN DE TIERRA

PARA: Agencias, organizaciones y partes interesadas

TÍTULO DEL PROYECTO: Proyecto importante de modernización de la Escuela Preparatoria James A. Garfield

ASUNTO: Aviso de Intención de Adoptar una Declaración Negativa Mitigada y de un Periodo de Comentarios Públicos para la Evaluación Ambiental Preliminar-Equivalente (PEA-E, por sus siglas en inglés) y el Plan de Remoción de Tierra (SRP, por sus siglas en inglés)

Por la presente se notifica que el Distrito Escolar Unificado de Los Ángeles (LAUSD o Distrito), como la agencia líder en virtud de la Ley de Calidad Ambiental de California (CEQA, por sus siglas en inglés), ha preparado un Estudio Inicial (IS, por sus siglas en inglés) para el proyecto principal de modernización de la Escuela Preparatoria James A. Garfield (proyecto propuesto), de conformidad con la CEQA (Código de Recursos Públicos [PRC, por sus siglas en inglés]), División 13, Sección 21000 y siguientes. [Estatutos de la CEQA] y el Código de Regulaciones de California [CCR, por sus siglas en inglés], Título 14, División 6, Capítulo 3, Sección 15000 y siguientes. [Directrices de la CEQA]). Con base en las conclusiones del IS, el LAUSD determinó que el proyecto propuesto no tendría impactos adversos significativos en el medio ambiente después de la implementación de las medidas de mitigación y es apropiada una Declaración Negativa Mitigada (MND, por sus siglas en inglés). El Distrito está proporcionando un aviso público de conformidad con las secciones 15072 y 15073 del Título 14, Capítulo 3, del CCR, en su forma enmendada. Se notifica además que se ha preparado una Evaluación Ambiental Preliminar - Equivalente (PEA-E, por sus siglas en inglés) y un Plan de Remoción de Tierra (SRP, por sus siglas en inglés) para el proyecto propuesto y están disponibles para su revisión.

UBICACIÓN DEL PROYECTO: El campus de la Escuela Preparatoria Garfield (HS) de 19.3 acres está ubicado en 5101 East Sixth Street en el Este de Los Ángeles, un área no incorporada dentro del Condado de Los Ángeles.

DESCRIPCIÓN DEL PROYECTO: El proyecto propuesto está diseñado para abordar las preocupaciones físicas más críticas de los edificios y terrenos de Garfield HS mediante el reemplazo, la renovación y la modernización de edificios para proporcionar instalaciones seguras y mejor alineadas con el programa de instrucción actual. El proyecto propuesto incluye la demolición de dos edificios permanentes y dos edificios portátiles, la demolición de un puente peatonal en el segundo piso, la construcción de un estacionamiento para el personal y la construcción de un nuevo edificio permanente que ofrecerá áreas de apoyo y espacios de aprendizaje adecuados. Además, el proyecto propuesto incluye mejoras y reemplazos de los servicios públicos e infraestructuras antiguas, la convergencia del Protocolo de Internet (IP, por sus siglas en inglés) y nuevos jardines y paisajismo. También se implementaría una modernización limitada de las estructuras existentes, incluidas las instalaciones accesibles, de conformidad con los requisitos de la Ley para Estadounidenses con Discapacidades (ADA, por sus siglas en inglés) y la modernización sísmica de conformidad con el Proyecto de ley 300 de la Asamblea de California. El PEA-E y el SRP presentan los hallazgos de las investigaciones de evaluación del sitio realizadas para este proyecto propuesto. El campus no figura en ninguna de las listas compiladas en virtud de la Sección 65926.5 del Código de Gobierno.

DISPONIBILIDAD DE DOCUMENTOS: El IS-MND, el PEA-E y el SRP están disponibles electrónicamente para su revisión pública en las ubicaciones que se indican a continuación.

- Escuela Preparatoria Garfield (Oficina principal) - 5101 E 6th St, Este de Los Ángeles, CA 90022
- Sitios web de la Oficina de Salud y Seguridad Ambiental del LAUSD:
  - CEQA IS-MND (https://www.lausd.org/ceqa)
  - PEA-E and SRP (https://www.lausd.org/siteassessment)
- Centro de Intercambio de Información del Estado de California (https://ceqanet.opr.ca.gov/)

PERIODO DE REVISIÓN PÚBLICA: El IS-MND (preparado de conformidad con el CCR, Título 14, Sección 15073 [a]), el PEA-E y el SRP están disponibles para su revisión y comentarios públicos del 17 de abril de 2024 al 17 de mayo de 2024.

RESPUESTAS Y COMENTARIOS: Por favor, indique a una persona de contacto para su agencia u organización y envíe sus comentarios a:

Preguntas y comentarios sobre CEQA y PEA-E
Distrito Escolar Unificado de Los Ángeles
Oficina de Salud y Seguridad Ambiental
Atención: Christy Wong, Gerente de proyectos de CEQA
333 South Beaudry Avenue, 21st Floor,
Los Angeles, CA 90017
Correo electrónico: CEQA-comments@lausd.net
Incluya «Garfield HS Major Mod» en la línea de asunto.

REUNIÓN PARA LA PRSENTACIÓN DE COMENTARIOS: El LAUSD llevará a cabo una reunión pública virtual el 8 de mayo de 2024 a las 6:00 p.m. Conéctese a través de Zoom o por teléfono:

- Enlace a la reunión en línea de Zoom: https://lausd.zoom.us/j/81131182486; número de identificación de la reunión del seminario web en línea de Zoom: 811 3118 2486
- Número de teléfono: +1 213-338-8477; número de identificación 811 3118 2486

Se anima a todas las agencias, organizaciones y partes interesadas a asistir a la reunión.

AUDIENCIA DE LA JUNTA DE LAUSD: Se publicará información adicional sobre el proyecto propuesto en el sitio web de OEHS del Distrito: https://www.lausd.org/ceqa. La Junta de Educación del LAUSD (Junta) considerará este tema durante una reunión programada. Visite el sitio web de la Junta del LAUSD para ver la fecha y hora de la reunión en https://www.lausd.org/boe.

Appendix G

James A. Garfield High School Responses to Comments

July 2024| Response to Comments
State Clearinghouse No. 2024040744

James A. Garfield High School
Major Modernization Project

Prepared for:

Los Angeles Unified School District
Office of Environmental Health and Safety
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017
Contact: Christy Wong, CEQA Project Manager
213.241.3394

Prepared by:

WSP USA, Inc.
9177 Sky Park Court
San Diego, California 92123
Contact: Nick Meisinger, CEQA Project Manager
805.252.0060

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1. Introduction

1.1 INTRODUCTION

This document includes the public comments received on the Initial Study prepared for the James A. Garfield High School Major Modernization Project (Project) and provides Los Angeles Unified School District's (LAUSD's) responses to these comments.

Under the California Environmental Quality Act (CEQA) (Public Resources Code, Division 13, Sections 21000 et seq.) and the CEQA Guidelines (California Code of Regulations [CCR] Section 15000 et seq.), a lead agency has no affirmative duty to prepare formal responses to comments on an Initial Study. The lead agency, however, should have adequate information on the record explaining why the comments do not affect the conclusion of the Initial Study. In the spirit of public disclosure and engagement, LAUSD – as the lead agency for the Project – has responded to all written comments submitted during the 30-day public review period.

1.2 PUBLIC ENGAGEMENT

Notice of Intent to Adopt a Mitigated Negative Declaration (MND). Per CEQA Guidelines Section 15072 and 15073, LAUSD determined that an MND would be appropriate for the Project and circulated a Notice of Intent to Adopt a Mitigated Negative Declaration (NOI) and the Initial Study. The public review period for this CEQA-compliant document was from April 17, 2024 to May 17, 2024. Public outreach included the following methods:

1.2.1 Newspaper Publications

- NOI published in the legal announcement section of the Daily News (English) on April 17, 2024.
- NOI published in the legal announcement section of the La Opinión (Spanish) on April 17, 2024.

1.2.2 Mailings

- NOI sent to eight State and local agencies, five elected officials, the Los Angeles Registrar-Recorder / County Clerk, and the State Clearinghouse.
- NOI sent to student / parent guardian addresses and all addresses within a 0.25-mile radius of the Project site and – 2,979 mailings.

1. Introduction

1.2.3 Document Availability

The NOI and Initial Study were available for review at the following locations:

- Garfield High School (Main Office) (5101 E 6th St, East Los Angeles, CA 90022)
- LAUSD Office of Environmental Health and Safety website (https://www.lausd.org/ceqa)
- California State Clearinghouse (https://ceqanet.opr.ca.gov/)

1.2.4 Community Outreach

A virtual public meeting was held via Zoom on May 8, 2024 at 6:00 PM. The meeting provided agencies and the public with an opportunity to comment on the Project and the Initial Study. The meeting included a presentation of the proposed Project, a summary of findings for CEQA and the Preliminary Environmental Assessment-Equivalent (PEA-E), and a question and answer (Q&A) session. During the Q&A session, commenters had inquiries on the following topics:

- Design (including questions regarding the architect selection process, classroom and support spaces, Americans with Disabilities Act of 1990 (ADA) improvements, parking, athletics facilities, landscaping etc.)
- Construction (including questions regarding schedule, safety precautions, traffic control, interim housing)
- Public engagement process

Those comments that were received (listed above) were addressed by LAUSD during the meeting. No other formal comments were received via letter or e-mail from community members. Additionally, none of the Zoom comments pertained to the adequacy of the environmental analyses contained in this Initial Study. As such, pursuant to CEQA Guidelines Section 15204(b), Zoom comments from the May 8, 2024 meeting are not included in this document and do not warrant additional written responses.

1.2.5 Document Format

This document is organized as follows:

Section 1, Introduction. This section describes CEQA requirements and the content of this document.

Section 2, Response to Comments. This section provides a list of agencies and interested persons commenting on the Initial Study, copies of comments received during the public review period, and individual responses to written comments. To facilitate review of the responses, each comment has been reproduced and

assigned an alphabetical letter. Individual comments have been provided, followed by responses from LAUSD with references to the corresponding comment number.

1.3 CEQA REQUIREMENTS REGARDING COMMENTS AND RESPONSES

CEQA Guidelines Section 15204(b) outlines parameters for submitting comments on an Initial Study and reminds persons and public agencies that the focus of review and comment should be "on the proposed findings that the project will not have a significant effect on the environment." If the commenter believes that the project may have a significant effect, they should: (1) identify the specific effect; (2) explain why they believe the effect would occur; and (3) explain why they believe the effect would be significant.

Comments are most helpful when they suggest additional specific alternatives or mitigation measures that would provide better ways to avoid or mitigate the significant environmental effects. At the same time, reviewers should be aware that the adequacy of an Initial Study is determined in terms of what is reasonably feasible. CEQA Guidelines Section 15204(c) advises, "[re]viewers should explain the basis for their comments, and should submit data or references offering facts, reasonable assumptions based on facts, or expert opinion supported by facts in support of the comments. Pursuant to Section 15064, an effect shall not be considered significant in the absence of substantial evidence."

CEQA Guidelines Section 15204(d) also states, "[e]ach responsible agency and trustee agency shall focus its comments on environmental information germane to that agency's statutory responsibility." CEQA Guidelines Section 15204(e) states, "[t]his section shall not be used to restrict the ability of reviewers to comment on the general adequacy of a document or of the lead agency to reject comments not focused as recommended by this section."

Finally, CEQA does not require a lead agency to conduct every test or perform all research, study, and experimentation recommended or demanded by commenters. Written responses to comments are not required; however, it is LAUSD's policy to respond in writing to all comments. When responding to comments, lead agencies need only respond to potentially significant environmental issues and do not need to provide all information requested by reviewers, as long as a good faith effort at full disclosure is made in the environmental document.

2. Response to Comments

This section provides all written comments received on the Initial Study and LAUSD's response to each comment.

Table 1
Summary of Comments Received

Reference	Commenting Person / Agency	Date of Comment	Page Number
Written Comment Letters			
A	California Department of Transportation	May 17, 2024	6
B	Department of Toxic Substances Control	May 10, 2024	9

2. Response to Comments

COMMENT A – Miya Edmonson, California Department of Transportation (Caltrans) (2 pages)

STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY GAVIN NEWSOM, Governor

DEPARTMENT OF TRANSPORTATION
DISTRICT 7
100 S. MAIN STREET, MS 16
LOS ANGELES, CA 90012
PHONE (213) 266-3562
FAX (213) 897-1337
TTY 711
www.dot.ca.gov

Making Conservation a California Way of Life

May 17, 2024

Christy Wong
Los Angeles Unified School District
333 S. Beaudry Ave, 21st Floor
Los Angeles, CA 90017

RE: James A. Garfield High School Major Modernization Project: Mitigated Negative Declaration (MND)
GTS # 07-LA-2024-04510
SCH # 2024040744
Vic. LA 60/PM R3.959
LA 710/PM 24.262
LA 5/PM 12.971

Dear Christy Wong:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above-referenced project. The proposed Project is designed to address the most critical physical concerns of the buildings and grounds at Garfield HS through building replacement, renovation, and modernization to provide facilities that are safe, secure, and better aligned with the current instructional program. The proposed Project includes demolishing two permanent buildings and two portable buildings, demolishing a second-story pedestrian bridge, constructing a staff parking lot, and constructing a new permanent building that provides adequate learning spaces and support areas. Additionally, the proposed Project includes upgrading and replacing aging utilities and infrastructure, Internet Protocol (IP) convergence, and new landscaping and hardscaping. Limited modernization of existing structures including accessible facilities consistent with the requirements of the Americans with Disabilities Act (ADA) and seismic retrofit pursuant to California Assembly Bill 300 would also be implemented. The PEA-E and SRP present the findings of the site assessment investigations performed for this proposed Project. The campus is not on any of the lists compiled under Government Code Section 65926.5. The Los Angeles Unified School District is the Lead Agency under the California Environmental Quality Act (CEQA).

The closest state facilities are SR-60, I-710, and I-5. After reviewing the project's documents, Caltrans has the following comments:

To meet the goals and objectives of community placemaking and safe urban design, Caltrans encourages the Lead Agency to incorporate multi-modal infrastructure along and within the school boundaries for people walking, riding bicycles, and riding transit. This A-1

"Provide a safe and reliable transportation network that serves all people and respects the environment."

Christy Wong
May 17, 2024
Page 2 of 2

infrastructure should include ADA-compliant design, adequate sidewalks, high visibility crosswalks, class IV bike lanes, and bike parking to best create a fully accessible Complete Street. A-1 Cont.

Caltrans will require an Encroachment Permit for work performed within the State Right-of-way. Caltrans recommends that large-size truck travel be limited to off-peak commute hours. Caltrans requires a permit for any heavy construction equipment and or materials that require the use of oversized transport vehicles on State highways. A-2

Caltrans recommends that the Project limit construction traffic to off-peak periods to minimize the potential impact on State facilities. If construction traffic is expected to cause issues on any State facilities, please submit a construction traffic control plan detailing these issues for Caltrans' review. A-3

If you have any questions, please feel free to contact Jaden Oloresisimo, the project coordinator, at Jaden.Oloresisimo@dot.ca.gov and refer to GTS # 07-LA-2024-04510.

Sincerely,

Anthony Higgins for

MIYA EDMONSON
LDR/CEQA Branch Chief

cc: State Clearinghouse

"Provide a safe and reliable transportation network that serves all people and respects the environment."

2. Response to Comments

A. Response to Comments from Miya Edmonson, Caltrans, dated May 17, 2024

A-1 Comment noted. The proposed Project involves ADA accessibility improvements and increases the number of parking stalls on-campus (refer to Section 3.2.3, *Site Access; Circulation, and Parking*). However, the proposed Project does not include any off-site improvements.

A-2 Comment noted. LAUSD would obtain an Encroachment Permit for work performed within the State Right-of-Way and comply with all requirements for State highways. Additionally, the District's Standard Conditions of Approval (Standard Conditions or SCs), limits construction-related trucks to off peak commute periods (refer to SC-T-4 in Section 4.18, *Transportation and Circulation* of the Initial Study).

A-3 Comment noted. Refer to the Response to Comment A-2.

COMMENT B – Tamara Purvis, Department of Toxic Substances (DTSC) (3 pages)

Department of Toxic Substances Control

Yana Garcia
Secretary for
Environmental Protection

Meredith Williams, Ph.D., Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Gavin Newsom
Governor

SENT VIA ELECTRONIC MAIL

May 10, 2024

Christy Wong
CEQA Project Manager
Los Angeles Unified School District
333 S Beaudry Ave, 21st Floor
Los Angeles, CA 90017
cp-christy.wong@lausd.net

RE: MITIGATED NEGATIVE DECLARATION (MND) FOR THE JAMES A. GARFIELD HIGH SCHOOL MAJOR MODERNIZATION PROJECT, DATED APRIL 17, 2024
STATE CLEARINGHOUSE # 2024040744

Dear Christy Wong,

The Department of Toxic Substances Control (DTSC) received a MND for the James A. Garfield High School Major Modernization Project (Project). The proposed Project includes the demolition of two permanent buildings and two portable buildings, demolition of a second-story pedestrian bridge, construction of a staff parking lot, and construction of a new permanent building that provides adequate learning spaces and support areas. Additionally, the proposed Project includes upgrades to and replacement of aging utilities and infrastructure, Internet Protocol (IP) convergence, and new landscaping and hardscaping. Limited modernization of existing structures including accessible facilities consistent with the requirements of the Americans with Disabilities Act (ADA) and seismic retrofit pursuant to California Assembly Bill

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2. Response to Comments

Christy Wong
May 10, 2024
Page 2

300 would also be implemented. Based on our review, DTSC requests consideration of the following comments.

1. If the district plans to use California Department of Education (CDE) State funds for the project, then the district shall comply with the requirements of Education Code (EDC), §17210, §17213.1, and §17213.2, unless otherwise specifically exempted under section §17268. If the district is not using CDE State funds for the project, or is otherwise specifically exempt under section §17268, DTSC recommends the district continue to investigate, clean up the Site under the oversight of Loa Angeles County and in concurrence with all applicable DTSC guidance documents, if necessary. For more information on the CDE State funding, please visit the Office of Public-School Construction webpage. B-1

   A local education agency may also voluntarily request the CDE site/plan approval for locally funded site acquisitions and new construction projects. In these cases, CDE will require DTSC to review and approve prior to its final approval, except when exempt under section 17268.

2. If buildings or other structures are to be demolished on any project sites included in the proposed project, surveys should be conducted for the presence of lead-based paints or products, mercury, asbestos containing materials, and polychlorinated biphenyl caulk. Removal, demolition, and disposal of any of the above-mentioned chemicals should be conducted in compliance with California environmental regulations and policies. In addition, sampling near current and/or former buildings should be conducted in accordance with DTSC's 2006 *Interim Guidance Evaluation of School Sites with Potential Contamination from Lead Based Paint, Termiticides, and Electrical Transformers.* B-2

3. DTSC recommends that all imported soil and fill material should be tested to ensure any contaminants of concern are within DTSC's and U.S. Environmental Protection Agency (USEPA) Regional Screen Levels (RSLs) for the intended land use. To minimize the possibility of introducing contaminated soil and fill material there should be documentation of the origins of the soil or fill material and, if applicable, sampling be conducted to ensure that the imported soil and fill B-3

Christy Wong
May 10, 2024
Page 3

material meets screening levels outlined in the PEA for the intended land use. The soil sampling should include analysis based on the source of the fill and knowledge of the prior land use. Additional information can be found by visiting DTSC's Human and Ecological Risk Office (HERO) webpage.

B-3 Cont.

DTSC appreciates the opportunity to comment on the MND for the Project. If you would like to proceed with DTSC's school environmental review process, please visit DTSC's Evaluating & Clean-up School 3-Step Process to begin a Phase I Environmental Site Assessment.

Thank you for your assistance in protecting California's people and environment from the harmful effects of toxic substances. If you have any questions or would like any clarification on DTSC's comments, please respond to this letter or via email for additional guidance.

Sincerely,

Tamara Purvis

Tamara Purvis
Associate Environmental Planner
HWMP – Permitting Division - CEQA Unit
Department of Toxic Substances Control
Tamara.Purvis@dtsc.ca.gov

B. Response to Comments from Tamara Purvis, DTSC, dated May 10, 2024

B-1 Comment noted. LAUSD intends to remove arsenic-contaminated soils south of Building 100 (SB-13), north of portable AA-336 (SB-25), and near the northeast corner of portable AA-2254 (SB-36). Additionally, LAUSD intends to remove lead-contaminated soils surrounding Building 200 (SB-14, SB-22, and SB-34) and northeast of portable AA-2254 (SB-36). For soil sample locations, refer to Section 4.9, *Hazards and Hazardous Materials* of the Initial Study and Appendix H, *Preliminary Environmental Assessment Equivalent (PEA-E) Report* of the Initial Study. Lead and arsenic impacted areas would be managed in accordance with the Soil Removal Plan (SRP), which has been included as Appendix I for reference. This plan would govern delineation, excavation, segregation, and proper handling of soil with arsenic and lead exceedances discovered during the PEA-E.

B-2 Comment noted. Prior to any demolition, remodeling, and/or renovation activities at the Project site, untested suspect asbestos-containing materials (ACMs), lead-based paints (LBP) and other lead-containing materials (LCMs), and potential Polychlorinated Biphenyls (PCB)-containing building material that may be disturbed would be sampled and analyzed in accordance with applicable regulations. Abatement of known and suspect ACMs, LBP and other LCMs, and potential PCB-containing caulk and paints and any adjacent PCB-impacted building or construction materials should be performed prior to any demolition, remodeling, and/or renovation activities (that would disturb the ACMs and LBP and other LCMs) in accordance with applicable regulations.

B-3 Comment noted. Any soil that is imported or exported must be chemically tested in accordance with specific written procedures as outlined in LAUSD Specifications, Section 01 4524, Environmental Import/Export Materials Testing. This specification has the requirements for the sampling, testing, transporting, and certifying of imported fill materials or exported fill materials from school sites.