



July 23, 2025

Eric Longenecker, PE
Site Assessment Project Manager
Los Angeles Unified School District
Office of Environmental Health and Safety
333 South Beaudry Avenue
Los Angeles, California 90017

sent via email to eric.longenecker@lausd.net

**Subject: Soil Sampling Report
Marquez Charter Elementary School,
16821 Marquez Avenue, Pacific Palisades, California**

Dear Mr. Longenecker:

Terraphase Engineering Inc. (Terraphase) has prepared this letter report for the Los Angeles Unified School District (LAUSD), Office of Environmental Health and Safety, to document the findings of the recent soil sampling investigation at Marquez Charter Elementary School, 16821 Marquez Avenue, Pacific Palisades, California (the "Site"; Figure 1).

The Site was originally developed with the elementary school, which opened in 1955. The usable portion of the Site has three distinctive tiers. Figure 2 presents a 2024 aerial of the campus with what will be referred to as the lower, middle, and upper tiers for the remainder of this document. Most of the structures illustrated in Figure 2 were destroyed in January 2025 during the Palisades Fire.

The soil sampling investigation was conducted to assess impacts from the Palisades Fire to surficial soil on the perimeter hillsides and landscaped areas throughout the Site. This report outlines the sampling procedures conducted by Terraphase at the Site, presents the analytical results, and provides conclusions and recommendations.

1 Pre-Field Activities

In accordance with federal Occupational Safety and Health Administration's (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) regulations and California Title 8 CCR 5192, Terraphase prepared a site-specific *Health and Safety Plan* (HASP) prior to collecting any soil samples. The HASP was updated as necessary to reflect changes to the scope of work being completed. A copy of the most recent HASP was kept on Site during fieldwork activities.

2 Field and Laboratory Methods

This section describes the shallow soil sampling investigation activities conducted at the Site.

Soil Sampling Procedures

Terraphase staff conducted shallow soil sampling on the lower, middle, and upper tiers of the Site on April 17, May 1, and May 16, 2025, respectively. A total of 112 discrete samples were initially collected (G1 to G39, G41 to G44, and G49 to G117) from areas including perimeter slopes and hillsides, a grass field, and other landscaped areas within the Site boundary. Due to field revisions, the sample names G45 to G48 were not assigned to any soil samples. Two samples, G43 and G44, combined into COMP-10 were collected from the Organic Garden that will be the subject of its own report due to the unique nature of the garden; the results of these samples are presented herein for completeness, except for anomalous organochlorine pesticide (OCP) results. The discrete soil samples were submitted to a California state-certified laboratory that combined the samples into composite sample groups (COMP-1 to COMP-25) comprised of up to five discrete samples. The locations of the surficial soil samples and composite groups are listed in Table 1 and shown on Figure 3.

The discrete samples were located and marked using direct field measurements and flags, respectively. The soil samples were collected from approximately the top 3 inches of soil using a trowel. To prevent potential cross contamination, the trowel used to collect samples was decontaminated prior to sampling and in between sampling locations using a spray bottle filled with a solution of liquinox and distilled water and dried with paper towels. The ground surface was backfilled with the surrounding surface soil and leveled by hand after sampling. No investigation-derived waste was generated during the sampling.

The discrete soil samples were collected in laboratory-supplied 4- or 8-ounce jars, and soil samples for volatile organic compounds (VOCs) were preserved in three 40-milliliter volatile organic analysis containers. The sample containers were placed on ice and transported under proper chain-of-custody protocols to Enthalpy Analytical Laboratory or Eurofins Environment Testing Laboratory in Orange and West Sacramento, California, respectively.

Soil Sample Analysis

Terraphase directed the laboratory to combine the discrete soil samples into 28 composite samples (Primary composites COMP-1 to COMP-25 plus duplicate composites for COMP-1, COMP-12, and COMP-21). Composite sample COMP-9, collected from the grass field on the lower tier, was analyzed for polycyclic aromatic hydrocarbons (PAHs) using United States Environmental Protection Agency (USEPA) Method 8270 with selective ion monitoring.

All remaining composite samples were initially analyzed for the following:

- California Title 22 regulated metals using USEPA Method 6010B/7471A;¹
- Asbestos using polarized light microscopy;
- PAHs using USEPA Method 8270 with selective ion monitoring; and

¹ "Table II - List of Inorganic Persistent and Bioaccumulative Toxic Substances and Their Soluble Threshold Limit Concentration (STLC) and Total Threshold Limit Concentration (TTLC) Values," 22 CCR 66261.24(a)(2)(A), [https://govt.westlaw.com/calregs/title22/div4.5/ch11/art3/\\$66261.24](https://govt.westlaw.com/calregs/title22/div4.5/ch11/art3/$66261.24).



- Moisture content to report the results in dry weight.

Thirteen composite samples (approximately 50 percent; COMP-1, COMP-3, COMP-5, COMP-7, COMP-10, COMP-11, COMP-12, COMP-14, COMP-17, COMP-18, COMP-21, COMP-22, and COMP-24) were additionally analyzed for:

- OCPs using USEPA Method 8081A.

Eight of the composite samples (approximately 33 percent; COMP-1, COMP-5, COMP-10, COMP-11, COMP-12, COMP-17, COMP-21, and COMP-24) were additionally analyzed for:

- Total petroleum hydrocarbons (TPH) carbon chain using USEPA Method 8015M;
- Dioxins and furans using USEPA Method 8290; and
- Polychlorinated biphenyls (PCBs) using USEPA Method 8082.

Eight discrete soil samples (G5, G21, G44, G52, G57, G76, G96, and G110) were additionally analyzed for:

- VOCs using USEPA Method 8260B/5035.

After reviewing the initial analytical results from the composite samples, the following discrete samples were analyzed:

- Twenty-three discrete samples from five composite groups (COMP-7, COMP-14, COMP-17, COMP-18, and COMP-24) were analyzed for lead using USEPA Method 6010B and moisture content; and
- Three discrete samples (G31, G81, G108) representing the maximum lead concentration per tier were extracted and analyzed using the Waste Extraction Test (WET) and the Toxicity Characteristic Leaching Procedure (TCLP), and the leachate was analyzed for lead using USEPA Method 6010B.

Quality Control Samples

Field quality control samples included trip blanks and duplicates. Trips blanks were used to monitor possible sources of contamination from transport, storage, inadequate bottle cleaning, or laboratory methodologies. Trip blanks provided by the laboratory were placed in a cooler with soil samples and analyzed for VOCs and TPH quantified as gasoline (TPH-g).

Field duplicates were used to evaluate the precision and representativeness of the sampling procedures. Duplicate samples were collected at a frequency of approximately 1 per every 10 samples. Three duplicate composite samples were prepared by the laboratory and analyzed for the same analyses as the primary composite sample. Samples COMP-1-DUP, DUP01-050126, and DUP01-250516 were duplicates of COMP-1, COMP-12, and COMP-21, respectively. Two duplicate discrete samples were collected and analyzed for VOCs using USEPA Method 8260B/5035. Samples DUP02-050125 and DUP02-250516 were duplicates of G57 and G96, respectively.

3 Soil Analytical Results

A total of 112 discrete surface soil samples were collected from perimeter slopes and landscape areas around the Site and were composited by the laboratory into 25 composite groups. Thirty discrete samples, including five stepout samples from the garden area, were individually analyzed. Soil analytical



results are presented in Tables 2 through 7. Laboratory analytical reports and sample chain-of-custody documentation are presented in Appendix A.

The soil analytical results were compared to the following screening criteria:

- Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office *Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified screening levels (DTSC-SLs)* for residential scenarios;²
- USEPA Regional Screening Levels (RSLs) for residential scenarios;³
- DTSC Southern California background level for arsenic of 12 milligrams per kilogram [mg/kg];⁴
- USEPA hazardous waste criterion for friable asbestos of 1 percent;⁵
- TPH concentrations for gasoline (100 mg/kg) and oil/diesel and long-chain hydrocarbons (1,000 mg/kg) per LAUSD's Guide Specification Section 01 4525, "Environmental Import/Export Materials Testing"⁶ ("Soil Testing Spec").

The calculated dioxin toxic equivalent was compared to the DTSC HHRA *Note 2, Soil Remedial Goals for Dioxins and Dioxin-like Compounds for Consideration at California Hazardous Waste Sites* cleanup goal of 50 picograms per gram,⁷ and the metals leachate results were compared to the California and federal hazardous waste criteria.

Metals

Soil sample analytical data for metals are summarized in Table 2. All metals except for thallium were detected above the laboratory reporting limits in one or more samples analyzed. Except for lead and arsenic, all detected metals concentrations were below the respective applicable screening levels.

Lead was detected above the laboratory reporting levels in all composite samples collected. Detected concentrations in the composite samples ranged from 6.4 to 130 mg/kg (COMP-1-DUP and COMP-24, respectively). Four composite samples (COMP-7, COMP-17, COMP-23, and COMP-24) exceeded the DTSC-SL of 80 mg/kg at concentrations of 100, 94, 110, and 130 mg/kg, respectively. Two composite samples (COMP-14 and COMP-18) had lead concentrations of 53 and 69 mg/kg, respectively, exceeding

² DTSC Human and Ecological Risk Office, *Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs)*, June 2020. Revised April 2025.

³ <https://www.epa.gov/risk/regional-screening-levels-rsls>

⁴ DTSC Human and Ecological Risk Office, *Human Health Risk Assessment (HHRA) Note Number 11, Southern California Ambient Arsenic Screening Level*, December 28, 2020.

⁵ "Appendix E to Subpart E of Part 763—Interim Method of the Determination of Asbestos in Bulk Insulation Samples." 40 CFR § 763. [https://www.ecfr.gov/current/title-40/part-763/appendix-Appendix E to Subpart E of Part 763](https://www.ecfr.gov/current/title-40/part-763/appendix-Appendix%20E%20to%20Subpart%20E%20of%20Part%20763)

⁶ https://www.laschools.org/documents/file?file_id=219798234&show_all_versions_p=t

⁷ DTSC Human and Ecological Risk Office, *HHRA Note Number 2, Soil Remedial Goals for Dioxins and Dioxin-like Compounds for Consideration at California Hazardous Waste Sites*, April 2017.



the soluble threshold limit concentration (STLC) of 50 mg/kg. The discrete samples within each composite group except for COMP-23 were analyzed for lead.

Twenty-three discrete samples from composite groups COMP-7, COMP-14, COMP-17, COMP-18, and COMP-24 were analyzed for lead. The lead concentrations in the discrete samples ranged from 24 to 310 mg/kg (G82 and G31, respectively). Thirteen discrete samples met or exceeded the DTSC-SL of 80 mg/kg.

While most arsenic detections were less than the screening level of 12 mg/kg, two composite samples (COMP-16 and COMP-24) were at this level. Discrete samples in these composite groups were not analyzed because the samples did not exceed the screening criterion for arsenic.

Leachate

Metal leachate analytical data for metals are also summarized in Table 2. The three discrete samples which had the highest concentrations of lead from the lower, middle, and upper tiers of the school (G31, G81, and G108, respectively) were extracted using the STLC WET and TCLP procedures, and the leachate was analyzed for lead.

Lead was detected in all leachate samples above reporting limits. The concentrations of lead in the STLC samples ranged from 0.74 to 2.7 milligrams per liter (mg/L; G81 and G31, respectively), and the TCLP concentrations ranged from 0.027 to 0.090 mg/L (G108 and G31, respectively). All lead leachate concentrations were below STLC and TCLP regulatory levels for lead of 5 mg/L.

Asbestos

Asbestos was not observed in any of the samples analyzed by qualitative polarized light microscopy. Results in a visual estimate were provided by the laboratory analyst. Since there were no detections in any samples, the data was not tabulated.

PAHs

Soil sample analytical data for PAHs are summarized in Table 3. All PAHs except for dibenz(a,h)anthracene were detected above the laboratory method detection limits (MDL) in numerous composite samples. None of the detections exceeded relevant screening criteria for PAHs.

OCPs

Soil sample analytical data for OCPs are summarized in Table 4. The OCPs 4,4'-DDE, 4,4'-DDT, beta-BHC, technical chlordane, delta-BHC, and gamma-BHC were detected above the laboratory MDL in numerous samples. All OCPs were below the respective screening criteria.

TPH

Soil sample analytical data for TPH are summarized in Table 5. TPH-g was detected in two composite samples (COMP-12 and its duplicate) and TPH quantified as diesel and motor oil were detected in all



composite samples analyzed above the MDLs. There are no DTSC-SLs or USEPA RSLs for TPH; however, the concentrations of TPH are below the reuse criteria limits listed in LAUSD's Soil Testing Spec.

Dioxins and Furans

Soil sample analytical data for dioxins and furans are summarized in Table 6. The calculated dioxin toxin equivalent values ranged from 2.86 to 16.24 picograms per gram (COMP-1 and COMP-24, respectively). None of the dioxin and furan values exceeded the relevant screening criteria.

PCBs

PCBs were not detected in any samples above the laboratory reporting levels. Since there were no detections in any samples, the data was not tabulated.

VOCs

Soil sample analytical data for VOCs are summarized in Table 7. The VOCs 1,2,4-trimethylbenzene, 4-methyl-2-pentanone, acetone, benzene, methyl ethyl ketone, naphthalene, p-isopropyltoluene, toluene, and total xylenes were detected above the laboratory MDL in numerous samples. None of the detections exceeded relevant screening criteria for VOCs.

Analysis of 95 Percent Upper Confidence Limit

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 95UCL for arsenic and lead in soil at the Site.

Terraphase input the concentrations of arsenic and lead from 27 composite soil samples into USEPA's ProUCL software to calculate the respective 95UCLs for the Site. Based on the results of the statistical evaluation, the calculated 95UCL for arsenic and lead were 7.38 and 54.15 mg/kg, respectively. Each calculated concentration is below the respective screening criteria for the Site. The 95UCL calculations are presented in Appendix B.

Quality Assurance/Quality Control

The laboratory analytical reports and case narratives were reviewed to verify correct sample designation, identification, and chain-of-custody records, as well as to ensure that analytical methods, holding time, and detection limit requirements were met.

The results for duplicate samples were consistent with the corresponding primary samples, and the associated data was qualified. VOCs and TPH-g were not detected in the trip blank samples collected during the investigation.



Laboratory quality control samples such as method blanks, surrogate recoveries, matrix spike/matrix spike duplicates, and compound quantitation were reviewed. Various flags applied by the laboratory were reviewed. Based on a review of the laboratory reports, Terraphase concludes that the collected data is suitable for the intended purpose of this assessment.

4 Conclusions and Recommendations

The soil sampling investigation was conducted on April 17, May 1, and May 16, 2025, on the hillslopes and landscaped areas surrounding and within the Site. The investigation was designed to assess impacts from the Palisades Fire to surficial soil in these areas. Soil samples were analyzed for the contaminants of potential concern discussed in Section 2. Concentrations for all chemicals associated with urban wildfires were generally below levels of concern.

Detected concentrations of arsenic and lead matched or exceeded the screening criteria established for this investigation. The exceedances are summarized as follows:

- Arsenic matched the California background concentration for arsenic in two composite samples.
- Detections of lead were found in 4 composite and 10 discrete samples exceeding the DTSC-SL. The three discrete samples with the highest lead concentrations from each tier of the campus were extracted using WET and TCLP, and the lead leachate concentrations were all below the STLC and TCLP regulatory levels.
- The calculated 95UCL concentrations for arsenic and lead in the Site soil were 7.38 and 54.15 mg/kg, respectively, both below the respective screening criteria.

The results from the soil sampling investigation indicate that concentrations of potential chemical byproducts from the Palisades Fire in the surrounding soil do not exceed residential screening criteria or regional background concentrations and would not pose an unacceptable threat to sensitive receptors at the Site. No further action is required to contain or remove material from the areas assessed in this investigation.

5 Closing

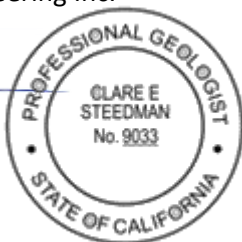
Terraphase is grateful for the opportunity to offer our services on this important project. If you have any questions or comments regarding this submittal, please contact Clare Steedman at (949) 377-2777, ext. 89.

Sincerely,

for Terraphase Engineering Inc.



Clare Steedman, PG
Principal Geologist



Jon Marshak, PG
Senior Project Geologist



JM:CS:jm

Attachments (12):

- Tables:
 - 1 Sampling and Analysis Plan
 - 2 Soil Analytical Results – Metals
 - 3 Soil Analytical Results – PAHs
 - 4 Soil Analytical Results – OCPs
 - 5 Soil Analytical Results – TPH
 - 6 Soil Analytical Results – Dioxins and Furans
 - 7 Soil Analytical Results – VOCs
- Figures:
 - 1 Site Location
 - 2 Pre-Fire Structures and Tiers
 - 3 Sample Location Map
- Appendices:
 - A Soil Sampling Analytical Reports
 - B 95UCL Analysis

Tables

1. Sampling and Analysis Plan
2. Soil Analytical Results – Metals
3. Soil Analytical Results – PAHs
4. Soil Analytical Results – OCPs
5. Soil Analytical Results – TPH
6. Soil Analytical Results – Dioxins and Furans
7. Soil Analytical Results – VOCs



Table 1
Sampling and Analysis Plan
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Sample Location	Tier	Composite Group	Location Notes	Sample Depth (feet bgs)	Analysis (USEPA Method)									
					Title 22 Metals (6010B/7471)	Asbestos (PLM)	PAHs (8270 SIM)	OCPs (8081A)	PCBs (8082)	Dioxins and Furans (8290)	VOCs (8260B)	TPH-cc (8015)	Moisture Content	
G1	Lower	COMP-1	West Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G2					--	--	--	--	--	--	--	--	--	
G3					--	--	--	--	--	--	--	--	--	
G4					--	--	--	--	--	--	--	--	--	
G5					--	--	--	--	--	--	X	--	X	
COMP-1					X	X	X	X	X	X	--	X	X	
Duplicate of COMP-1*					X	X	X	X	X	X	--	X	X	
Duplicate of Discrete Sample G5					--	--	--	--	--	--	X	--	X	
G6	Lower	COMP-2	West Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G7					--	--	--	--	--	--	--	--	--	
G8					--	--	--	--	--	--	--	--	--	
G9					--	--	--	--	--	--	--	--	--	
G10					--	--	--	--	--	--	--	--	--	
COMP-2					X	X	X	--	--	--	--	--	X	
G11	Lower	COMP-3	West Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G12					--	--	--	--	--	--	--	--	--	
G13					--	--	--	--	--	--	--	--	--	
G14					--	--	--	--	--	--	--	--	--	
G15					--	--	--	--	--	--	--	--	--	
COMP-3					X	X	X	X	--	--	--	--	X	
G16	Lower	COMP-4	Southwest Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G17					--	--	--	--	--	--	--	--	--	
G18					--	--	--	--	--	--	--	--	--	
G19					--	--	--	--	--	--	--	--	--	
G20					--	--	--	--	--	--	--	--	--	
COMP-4					X	X	X	--	--	--	--	--	X	
G21	Lower	COMP-5	South Slope	0-0.25	--	--	--	--	--	--	X	--	X	
G22					--	--	--	--	--	--	--	--	--	
G23					--	--	--	--	--	--	--	--	--	
G24					--	--	--	--	--	--	--	--	--	
G25					--	--	--	--	--	--	--	--	--	
COMP-5					X	X	X	X	X	X	--	X	X	
G26	Lower	COMP-6	South Corner Landscape	0-0.25	--	--	--	--	--	--	--	--	--	--
G27					--	--	--	--	--	--	--	--	--	
G28					--	--	--	--	--	--	--	--	--	
G29					--	--	--	--	--	--	--	--	--	
G30					--	--	--	--	--	--	--	--	--	
COMP-6					X	X	X	--	--	--	--	--	X	
G31	Lower	COMP-7	Southeast Landscape	0-0.25	--	--	--	--	--	--	--	--	--	--
G32					--	--	--	--	--	--	--	--	--	
G33					--	--	--	--	--	--	--	--	--	
G34					--	--	--	--	--	--	--	--	--	
G35					--	--	--	--	--	--	--	--	--	
COMP-7					X	X	X	X	--	--	--	--	X	
G36	Lower	COMP-8	East Landscape	0-0.25	--	--	--	--	--	--	--	--	--	--
G37					--	--	--	--	--	--	--	--	--	
G38					--	--	--	--	--	--	--	--	--	
G39					--	--	--	--	--	--	--	--	--	
COMP-8					X	X	X	--	--	--	--	--	X	
G41	Lower	COMP-9	Grass Field	0-0.25	--	--	--	--	--	--	--	--	--	--
G42					--	--	--	--	--	--	--	--	--	
COMP-9					--	--	X	--	--	--	--	--	X	
G43	Lower	COMP-10	Garden Area	0-0.25	--	--	--	--	--	--	--	--	--	--
G44					--	--	--	X^	--	--	X	--	--	
COMP-10^					X	X	X	X^	X	X	--	X	X	

Table 1
Sampling and Analysis Plan
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Sample Location	Tier	Composite Group	Location Notes	Sample Depth (feet bgs)	Analysis (USEPA Method)									
					Title 22 Metals (6010B/7471)	Asbestos (PLM)	PAHs (8270 SIM)	OCPs (8081A)	PCBs (8082)	Dioxins and Furans (8290)	VOCs (8260B)	TPH-cc (8015)	Moisture Content	
G49	Middle	COMP-11	Central Landscape	0-0.25	--	--	--	--	--	--	--	--	--	--
G50					--	--	--	--	--	--	--	--	--	
G51					--	--	--	--	--	--	--	--	--	
G52					--	--	--	--	--	--	X	--	X	
COMP-11					X	X	X	X	X	X	--	X	X	
G53	Middle	COMP-12	West Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G54					--	--	--	--	--	--	--	--	--	
G55					--	--	--	--	--	--	--	--	--	
G56					--	--	--	--	--	--	--	--	--	
G57					--	--	--	--	--	--	X	--	X	
COMP-12					X	X	X	X	X	X	--	X	X	
Duplicate of COMP-12*					X	X	X	X	X	X	--	X	X	
Duplicate of Discrete Sample G57					--	--	--	--	--	--	X	--	X	
G58	Middle	COMP-13	Northwest Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G59					--	--	--	--	--	--	--	--	--	
G60					--	--	--	--	--	--	--	--	--	
G61					--	--	--	--	--	--	--	--	--	
G62					--	--	--	--	--	--	--	--	--	
COMP-13					X	X	X	--	--	--	--	--	X	
G63	Middle	COMP-14	North Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G64					--	--	--	--	--	--	--	--	--	
G65					--	--	--	--	--	--	--	--	--	
COMP-14					X	X	X	X	--	--	--	--	X	
G66	Middle	COMP-15	South Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G67					--	--	--	--	--	--	--	--	--	
G68					--	--	--	--	--	--	--	--	--	
G69					--	--	--	--	--	--	--	--	--	
G70					--	--	--	--	--	--	--	--	--	
COMP-15					X	X	X	--	--	--	--	--	X	
G71	Middle	COMP-16	Southeast Landscape	0-0.25	--	--	--	--	--	--	--	--	--	--
G72					--	--	--	--	--	--	--	--	--	
G73					--	--	--	--	--	--	--	--	--	
G74					--	--	--	--	--	--	--	--	--	
G75					--	--	--	--	--	--	--	--	--	
COMP-16					X	X	X	--	--	--	--	--	X	
G76	Middle	COMP-17	Parking Lot West Landscaping	0-0.25	--	--	--	--	--	--	--	--	--	--
G77					--	--	--	--	--	--	X	--	X	
G78					--	--	--	--	--	--	--	--	--	
G79					--	--	--	--	--	--	--	--	--	
G80	--	--	--	--	--	--	--	--	--	--	--	--	--	
COMP-17					X	X	X	X	X	X	--	X	X	
G81	Middle	COMP-18	Parking Lot East Landscaping	0-0.25	--	--	--	--	--	--	--	--	--	--
G82					--	--	--	--	--	--	--	--	--	
G83					--	--	--	--	--	--	--	--	--	
G84					--	--	--	--	--	--	--	--	--	
G85					--	--	--	--	--	--	--	--	--	
COMP-18					X	X	X	X	--	--	--	--	X	
G86	Middle	COMP-19	North Landscape	0-0.25	--	--	--	--	--	--	--	--	--	--
G87					--	--	--	--	--	--	--	--	--	--
COMP-19					X	X	X	--	--	--	--	--	X	

Table 1
Sampling and Analysis Plan
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Sample Location	Tier	Composite Group	Location Notes	Sample Depth (feet bgs)	Analysis (USEPA Method)									
					Title 22 Metals (6010B/7471)	Asbestos (PLM)	PAHs (8270 SIM)	OCPs (8081A)	PCBs (8082)	Dioxins and Furans (8290)	VOCs (8260B)	TPH-cc (8015)	Moisture Content	
G88	Upper	COMP-20	Northwest Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G89					--	--	--	--	--	--	--	--	--	
G90					--	--	--	--	--	--	--	--	--	
G91					--	--	--	--	--	--	--	--	--	
G92					--	--	--	--	--	--	--	--	--	
COMP-20					X	X	X	--	--	--	--	--	X	
G93	Upper	COMP-21	North Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G94					--	--	--	--	--	--	--	--	--	
G95					--	--	--	--	--	--	--	--	--	
G96					--	--	--	--	--	--	X	--	X	
G97					--	--	--	--	--	--	--	--	--	
COMP-21					X	X	X	X	X	X	--	X	X	
Duplicate of COMP-21*					X	X	X	X	X	X	--	X	X	
Duplicate of G96					--	--	--	--	--	--	X	--	X	
G98	Upper	COMP-22	Northeast Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G99					--	--	--	--	--	--	--	--	--	
G100					--	--	--	--	--	--	--	--	--	
G101					--	--	--	--	--	--	--	--	--	
G102					--	--	--	--	--	--	--	--	--	
COMP-22					X	X	X	X	--	--	--	--	X	
G103	Upper	COMP-23	East Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G104					--	--	--	--	--	--	--	--	--	
G105					--	--	--	--	--	--	--	--	--	
G106					--	--	--	--	--	--	--	--	--	
G107					--	--	--	--	--	--	--	--	--	
COMP-23					X	X	X	--	--	--	--	--	X	
G108	Upper	COMP-24	Southeast Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G109					--	--	--	--	--	--	--	--	--	
G110					--	--	--	--	--	--	X	--	X	
G111					--	--	--	--	--	--	--	--	--	
G112					--	--	--	--	--	--	--	--	--	
COMP-24					X	X	X	X	X	X	--	X	X	
G113	Upper	COMP-25	Southeast Slope	0-0.25	--	--	--	--	--	--	--	--	--	--
G114					--	--	--	--	--	--	--	--	--	
G115					--	--	--	--	--	--	--	--	X	
G116					--	--	--	--	--	--	--	--	--	
G117					--	--	--	--	--	--	--	--	--	
COMP-25					X	X	X	--	--	--	--	--	X	
Trip Blank - Day 1					--	--	--	--	--	--	--	X	X	X
Trip Blank - Day 2					--	--	--	--	--	--	--	X	X	X

bgs = below ground surface
PLM = polarized light microscopy
PAHs = polycyclic aromatic hydrocarbons
SIM = select ion monitoring
* = create two composite samples of original 5 discrete jars
^ = COMP-10 and G44 OCP results were anomolous and have not been included in Table 4.

OCPs = organochlorine pesticides
PCBs = polychlorinated biphenyls
VOCs = volatile organic compounds
TPH = total petroleum hydrocarbons

Table 2
Soil Analytical Results - Metals
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Location Code		Threshold	Note	STLC	TCLP	COMP-01		COMP-02	COMP-03	COMP-04	COMP-05	COMP-06	COMP-07	G-31	G-32	G-33	G-34	G-35	COMP-08	COMP-10			
Field ID						COMP-1	COMP-1-DUP	COMP-2	COMP-3	COMP-4	COMP-5	COMP-6	COMP-7	G31-250417	G32-250417	G33-250417	G34-250417	G35-250417	COMP-8	COMP-10			
Sample Depth (ft-bgs)						0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25
Date						04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025
SDG						531281	531281	531281	531281	531281	531281	531281	531281	531281	531281	531281	531917	531917	531917	531917	531917	531281	531281
Inorganics																							
Moisture	%	-	-	-	-	6	5	4	6	7	6	6	6	1	5	1	5	<1	8	36			
Metals																							
Antimony	mg/kg	31	Σ	-	-	<3.1	<3.0	<3.0	<3.1	<3.1	<3.2	<3.1	<3.0	-	-	-	-	-	<3.2	<4.6			
Arsenic	mg/kg	12	Ω	-	-	6.0	4.7	5.1	5.8	6.5	7.1	7.1	6.0	-	-	-	-	-	6.2	5.1			
Barium	mg/kg	15000	Σ	-	-	110	87	85	120	100	110	100	96	-	-	-	-	-	110	350			
Beryllium	mg/kg	16	Δ	-	-	0.62	0.49 J	0.55	0.54	0.55	0.54	0.41 J	0.46 J	-	-	-	-	-	0.51 J	0.20 J			
Cadmium	mg/kg	7.1	Δ, Σ	-	-	1.9	1.2	1.3	1.2	1.3	1.2	1.5	1.3	-	-	-	-	-	0.99	1.4			
Chromium (III+VI)	mg/kg	-		-	-	23	20	22	24	23	22	24	27	-	-	-	-	-	26	34			
Cobalt	mg/kg	23	Σ	-	-	9.0	6.6	8.5	9.1	9.3	9.0	10	8.5	-	-	-	-	-	8.9	6.1			
Copper	mg/kg	3100	Σ	-	-	37	18	22	27	48	24	33	30	-	-	-	-	-	34	120			
Lead	mg/kg	80	Δ	-	-	9.4	6.4	9.2	14	31	36	59	100	310	49	80	100	32	49	20			
Lead (STLC)	mg/L	-		5	-	-	-	-	-	-	-	-	-	2.7	-	-	-	-	-	-			
Lead (TCLP)	mg/L	-		-	5	-	-	-	-	-	-	-	-	0.090	-	-	-	-	-	-			
Mercury	mg/kg	1	Δ	-	-	<0.18	<0.17	<0.16	<0.15	<0.17	<0.16	0.063 J	<0.15	-	-	-	-	-	<0.16	0.20 J			
Molybdenum	mg/kg	390	Σ	-	-	2.5	2.0	1.8	1.6	1.5	1.4	1.7	1.5	-	-	-	-	-	1.4	6.7			
Nickel	mg/kg	820	Δ	-	-	23	15	18	21	19	19	17	19	-	-	-	-	-	19	21			
Selenium	mg/kg	390	Σ	-	-	<3.1	<3.0	<3.0	<3.1	<3.1	<3.2	<3.1	<3.0	-	-	-	-	-	<3.2	5.3			
Silver	mg/kg	390	Σ	-	-	<0.51	<0.50	<0.50	<0.52	<0.51	<0.53	<0.52	<0.51	-	-	-	-	-	<0.53	0.33 J			
Thallium	mg/kg	0.78	Σ	-	-	<3.1	<3.0	<3.0	<3.1	<3.1	<3.2	<3.1	<3.0	-	-	-	-	-	<3.2	<4.6			
Vanadium	mg/kg	390	Σ	-	-	47	40	47	49	48	47	36	42	-	-	-	-	-	47	42			
Zinc	mg/kg	23000	Σ	-	-	230	230	180	960	1,200	1,600	380	700	-	-	-	-	-	770	570			

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
mg/L = milligrams per liter
pg/g = picograms per gram
µg/kg = micrograms per kilogram
- = Not analyzed/Not available
< = analyte not detected at or above laboratory reporting limit
J = Estimated below laboratory reporting limit
q = The reported result is the estimated
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group
STLC = Soluble Threshold Limit Concentration
TLCP = Toxicity Characteristic Leaching Procedure

Environmental Standards
Ω -California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO), Human Health Risk Assessment (HHRA) Note Number 11, Southern California Ambient Arsenic Screening Level, December 28, 2020
Δ - 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. April 2025
Σ - United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) (TR=1E-06, HQ=1) , November 2024, EPA RSL (Nov 2024, HQ=1.0) - Resident Soil

Table 2
Soil Analytical Results - Metals
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Location Code		Threshold	Note	STLC	TCLP	COMP-11	COMP-12		COMP-13	COMP-14	G-63	G-64	G-65	COMP-15	COMP-16	COMP-17	G-76	G-77	G-78	G-79			
Field ID						COMP-11	COMP-12	DUP01-050125	COMP-13	COMP-14	G 63	G 64	G 65	COMP-15	COMP-16	COMP-17	G 76	G 77	G 78	G 79			
Sample Depth (ft-bgs)						0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25
Date						05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025
SDG						532165	532165	532165	532165	532165	532165	532165	532165	532165	532165	532165	532165	532165	532165	532165	532165	532165	532165
Inorganics																							
Moisture	%	-	-	-	-	4	4	3	6	5	2	1	<1	7	5	4	4	2	3	2			
Metals																							
Antimony	mg/kg	31	Σ	-	-	<3.0	<3.1	<3.0	1.6 J	<3.1	-	-	-	<3.2	<3.0	<3.1	-	-	-	-			
Arsenic	mg/kg	12	Ω	-	-	4.4	5.2	4.4	5.7	7.5	-	-	-	5.9	12	6.7	-	-	-	-			
Barium	mg/kg	15000	Σ	-	-	180	100	110	160	88	-	-	-	110	130	69	-	-	-	-			
Beryllium	mg/kg	16	Δ	-	-	0.43 J	0.55	0.49 J	0.51 J	0.43 J	-	-	-	0.57	0.41 J	0.36 J	-	-	-	-			
Cadmium	mg/kg	7.1	Δ, Σ	-	-	1.0	0.88	0.95	2.0	1.6	-	-	-	1.5	1.4	1.3	-	-	-	-			
Chromium (III+VI)	mg/kg	-		-	-	24	20	20	14	18	-	-	-	25	32	32	-	-	-	-			
Cobalt	mg/kg	23	Σ	-	-	9.4	9.0	8.2	9.4	9.1	-	-	-	10	6.9	7.7	-	-	-	-			
Copper	mg/kg	3100	Σ	-	-	39	25	31	38	42	-	-	-	38	50	42	-	-	-	-			
Lead	mg/kg	80	Δ	-	-	8.8	11	17	33	53	44	80	73	33	41	94	75	75	61	110			
Lead (STLC)	mg/L	-		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Lead (TCLP)	mg/L	-		-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Mercury	mg/kg	1	Δ	-	-	<0.15	<0.15	<0.17	<0.18	<0.17	-	-	-	<0.15	0.17	0.12 J	-	-	-	-			
Molybdenum	mg/kg	390	Σ	-	-	2.5	2.1	2.2	2.4	2.9	-	-	-	3.5	2.2	1.8	-	-	-	-			
Nickel	mg/kg	820	Δ	-	-	18	17	18	17	18	-	-	-	19	24	16	-	-	-	-			
Selenium	mg/kg	390	Σ	-	-	<3.0	<3.1	<3.0	<3.2	<3.1	-	-	-	<3.2	<3.0	<3.1	-	-	-	-			
Silver	mg/kg	390	Σ	-	-	<0.50	<0.51	<0.51	<0.53	<0.51	-	-	-	<0.54	0.29 J	<0.51	-	-	-	-			
Thallium	mg/kg	0.78	Σ	-	-	<3.0	<3.1	<3.0	<3.2	<3.1	-	-	-	<3.2	<3.0	<3.1	-	-	-	-			
Vanadium	mg/kg	390	Σ	-	-	50	42	42	61	44	-	-	-	55	40	36	-	-	-	-			
Zinc	mg/kg	23000	Σ	-	-	140	310	310	220	230	-	-	-	370	210	410	-	-	-	-			

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
mg/L = milligrams per liter
pg/g = picograms per gram
µg/kg = micrograms per kilogram
- = Not analyzed/Not available
< = analyte not detected at or above laboratory reporting limit
J = Estimated below laboratory reporting limit
q = The reported result is the estimated
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group
STLC = Soluble Threshold Limit Concentration
TLCP = Toxicity Characteristic Leaching Procedure
Environmental Standards
Ω -California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO), Human Health Risk Assessment (HHRA) Note Number 11, Southern California Ambient Arsenic Screening Level, December 28, 2020
Δ - 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. April 2025
Σ - United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) (TR=1E-06, HQ=1) , November 2024, EPA RSL (Nov 2024, HQ=1.0) - Resident Soil

Table 2
Soil Analytical Results - Metals
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Location Code		Threshold	Note	STLC	TCLP	G-80	COMP-18	G-81	G-82	G-83	G-84	G-85	COMP-19	COMP-20	COMP-21		COMP-22	COMP-23	COMP-24	G-108			
Field ID						G 80	COMP-18	G 81	G 82	G 83	G 84	G 85	COMP-19	COMP-20	COMP-21	DUP01-250516	COMP-22	COMP-23	COMP-24	G108			
Sample Depth (ft-bgs)						0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25
Date						05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/16/2025	05/16/2025	05/16/2025	05/16/2025	05/16/2025	05/16/2025	05/16/2025
SDG						532165	532165	532165	533586	532165	532165	532165	532165	532165	532165	532165	532165	533332	533332	533332	533332	533332	533332
Inorganics																							
Moisture	%	-	-	-	-	2	5	<1		5	2	10	4	4	2	2	2	16	10	17			
Metals																							
Antimony	mg/kg	31	Σ	-	-	-	<3.0	-	-	-	-	-	-	<3.0	<2.9	<3.0	<2.9	<3.0	<3.4	<3.3	-		
Arsenic	mg/kg	12	Ω	-	-	-	7.2	-	-	-	-	-	4.9	7.0	5.8	8.1	7.0	10	12	-			
Barium	mg/kg	15000	Σ	-	-	-	130	-	-	-	-	-	110	92	79	63	79	110	95	-			
Beryllium	mg/kg	16	Δ	-	-	-	0.32 J	-	-	-	-	-	0.51	0.40 J	0.46 J	0.38 J	0.54	0.41 J	0.47 J	-			
Cadmium	mg/kg	7.1	Δ, Σ	-	-	-	1.9	-	-	-	-	-	1.9	0.60	0.43 J	0.44 J	0.49 J	0.66	0.76	-			
Chromium (III+VI)	mg/kg	-		-	-	-	30	-	-	-	-	-	22	18	19	21	25	28	41	-			
Cobalt	mg/kg	23	Σ	-	-	-	7.1	-	-	-	-	-	12	6.2	11	9.3	9.0	7.4	7.1	-			
Copper	mg/kg	3100	Σ	-	-	-	54	-	-	-	-	-	37	39	25	38	44	60	40	-			
Lead	mg/kg	80	Δ	-	-	48	69	270	-	24	97	81	16	15	54	45	47	57	110	130	200		
Lead (STLC)	mg/L	-		5	-	-	-	-	0.74	-	-	-	-	-	-	-	-	-	-	1.3			
Lead (TCLP)	mg/L	-		-	5	-	-	-	0.063	-	-	-	-	-	-	-	-	-	-	0.027			
Mercury	mg/kg	1	Δ	-	-	-	0.13 J	-	-	-	-	-	<0.16	<0.16	<0.17	<0.16	<0.15	0.069 J	0.082 J	-			
Molybdenum	mg/kg	390	Σ	-	-	-	3.1	-	-	-	-	-	2.2	1.6	1.6	6.6	1.7	3.3	2.6	-			
Nickel	mg/kg	820	Δ	-	-	-	18	-	-	-	-	-	19	16	17	19	21	16	18	-			
Selenium	mg/kg	390	Σ	-	-	-	<3.0	-	-	-	-	-	<3.0	<2.9	<3.0	<2.9	<3.0	<3.4	<3.3	-			
Silver	mg/kg	390	Σ	-	-	-	0.33 J	-	-	-	-	-	<0.50	<0.49	<0.50	<0.49	<0.50	0.23 J	0.21 J	-			
Thallium	mg/kg	0.78	Σ	-	-	-	<3.0	-	-	-	-	-	<3.0	<2.9	<3.0	<2.9	<3.0	<3.4	<3.3	-			
Vanadium	mg/kg	390	Σ	-	-	-	37	-	-	-	-	-	60	35	39	34	43	37	43	-			
Zinc	mg/kg	23000	Σ	-	-	-	430	-	-	-	-	-	120	460	280	180	280	330	390	-			

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
mg/L = milligrams per liter
pg/g = picograms per gram
µg/kg = micrograms per kilogram
- = Not analyzed/Not available
< = analyte not detected at or above laboratory reporting limit
J = Estimated below laboratory reporting limit
q = The reported result is the estimated
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group
STLC = Soluble Threshold Limit Concentration
TLCP = Toxicity Characteristic Leaching Procedure
Environmental Standards
Ω -California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO), Human Health Risk Assessment (HHRA) Note Number 11, Southern California Ambient Arsenic Screening Level, December 28, 2020
Δ - 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. April 2025
Σ - United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) (TR=1E-06, HQ=1) , November 2024, EPA RSL (Nov 2024, HQ=1.0) - Resident Soil

Table 2
Soil Analytical Results - Metals
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Location Code		Threshold	Note	STLC	TCLP	G-109	G-110	G-111	G-112	COMP-25
Field ID						G109	G110	G111	G112	COMP-25
Sample Depth (ft-bgs)						0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25
Date						05/16/2025	05/16/2025	05/16/2025	05/16/2025	05/16/2025
SDG						533332	533332	533332	533332	533332
Inorganics										
Moisture	%	-	-	-	-	14	11	15	7	11
Metals										
Antimony	mg/kg	31	Σ	-	-	-	-	-	-	<3.2
Arsenic	mg/kg	12	Ω	-	-	-	-	-	-	7.5
Barium	mg/kg	15000	Σ	-	-	-	-	-	-	120
Beryllium	mg/kg	16	Δ	-	-	-	-	-	-	0.45 J
Cadmium	mg/kg	7.1	Δ, Σ	-	-	-	-	-	-	0.43 J
Chromium (III+VI)	mg/kg	-		-	-	-	-	-	-	25
Cobalt	mg/kg	23	Σ	-	-	-	-	-	-	17
Copper	mg/kg	3100	Σ	-	-	-	-	-	-	41
Lead	mg/kg	80	Δ	-	-	120	110	100	110	13
Lead (STLC)	mg/L	-		5	-	-	-	-	-	-
Lead (TCLP)	mg/L	-		-	5	-	-	-	-	-
Mercury	mg/kg	1	Δ	-	-	-	-	-	-	0.069 J
Molybdenum	mg/kg	390	Σ	-	-	-	-	-	-	2.2
Nickel	mg/kg	820	Δ	-	-	-	-	-	-	25
Selenium	mg/kg	390	Σ	-	-	-	-	-	-	<3.2
Silver	mg/kg	390	Σ	-	-	-	-	-	-	<0.54
Thallium	mg/kg	0.78	Σ	-	-	-	-	-	-	<3.2
Vanadium	mg/kg	390	Σ	-	-	-	-	-	-	45
Zinc	mg/kg	23000	Σ	-	-	-	-	-	-	120

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
mg/L = milligrams per liter
pg/g = picograms per gram
µg/kg = micrograms per kilogram
- = Not analyzed/Not available
< = analyte not detected at or above laboratory reporting limit
J = Estimated below laboratory reporting limit
q = The reported result is the estimated
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group
STLC = Soluble Threshold Limit Concentration
TLCP = Toxicity Characteristic Leaching Procedure

Environmental Standards
Ω -California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO), Human Health Risk Assessment (HHRA) Note Number 11, Southern California Ambient Arsenic Screening Level, December 28, 2020
Δ - 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. April 2025
Σ - United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) (TR=1E-06, HQ=1) , November 2024, EPA RSL (Nov 2024, HQ=1.0) - Resident Soil

Table 3
Soil Analytical Results - PAHs
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Location Code		Threshold	Note	COMP-01		COMP-02	COMP-03	COMP-04	COMP-05	COMP-06	COMP-07	COMP-08	COMP-09	COMP-10	COMP-11	
Field ID				COMP-1	COMP-1-DUP	COMP-2	COMP-3	COMP-4	COMP-5	COMP-6	COMP-7	COMP-8	COMP-9	COMP-10	COMP-11	
Sample Depth (ft-bgs)				0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25
Date				04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	05/01/2025
SDG				531281	531281	531281	531281	531281	531281	531281	531281	531281	531281	531281	531281	532165
Inorganics																
Moisture	%	-		6	5	4	6	7	6	6	6	8	12	36	4	
PAHs																
1-Methylnaphthalene	mg/kg	0.18	Σ	0.053	0.043	0.032	0.054	0.031 J	<0.11	<0.11	<0.11	<0.11	<0.045	<0.16	<0.01	
2-Methylnaphthalene	mg/kg	190	Δ	0.087	0.066	0.04	0.069	0.034 J	<0.11	<0.11	<0.11	<0.11	<0.045	0.03 J	<0.01	
Acenaphthene	mg/kg	3300	Δ	0.0044 J	0.0044 J	0.0025 J	0.0058 J	0.0033 J	<0.11	<0.11	<0.11	<0.11	<0.045	<0.16	<0.01	
Acenaphthylene	mg/kg	-	-	0.014	0.015	0.0079 J	0.0083 J	0.0057 J	<0.11	<0.11	<0.11	<0.11	<0.045	<0.16	<0.01	
Anthracene	mg/kg	17000	Δ	0.021	0.019	0.013	0.017	0.0094 J	<0.11	<0.11	<0.11	<0.11	<0.045	0.024 J	0.0016 J	
Benz(a)anthracene	mg/kg	1.1	Δ, Σ	0.0057 J	0.0065 J	0.0075 J	0.0085 J	0.0047 J	0.03 J	0.01 J	<0.11	0.015 J	0.0063 J	0.035 J	0.0020 J	
Benzo(a) pyrene	mg/kg	0.11	Δ, Σ	0.0026 J	0.0031 J	0.0038 J	0.0033 J	<0.043	0.029 J	<0.11	<0.11	<0.11	<0.045	0.028 J	0.0016 J	
Benzo(b)fluoranthene	mg/kg	1.1	Δ, Σ	0.0052 J	0.0051 J	0.0078 J	0.0067 J	0.012 J	0.047 J	0.021 J	0.011 J	0.024 J	0.01 J	0.052 J	0.0032 J	
Benzo(g,h,i)perylene	mg/kg	-	-	0.0030 J	0.0026 J	0.0052 J	0.0048 J	0.01 J	0.042 J	0.019 J	0.017 J	0.016 J	0.0069 J	0.03 J	0.0022 J	
Benzo(k)fluoranthene	mg/kg	11	Δ, Σ	<0.011	<0.01	0.0017 J	<0.011	<0.043	0.014 J	<0.11	<0.11	<0.11	<0.045	<0.16	<0.01	
Chrysene	mg/kg	110	Δ, Σ	0.0088 J	0.01 J	0.013	0.015	0.0093 J	0.033 J	0.015 J	0.011 J	0.026 J	0.0084 J	0.043 J	0.0022 J	
Dibenz(a,h)anthracene	mg/kg	0.028	Δ	<0.011	<0.01	<0.01	<0.011	<0.043	<0.11	<0.11	<0.11	<0.11	<0.045	<0.16	<0.01	
Fluoranthene	mg/kg	2400	Δ, Σ	0.04	0.037	0.03	0.031	0.02 J	0.05 J	0.025 J	0.016 J	0.059 J	0.011 J	0.084 J	0.0052 J	
Fluorene	mg/kg	2300	Δ	0.033	0.03	0.022	0.027	0.015 J	<0.11	<0.11	<0.11	<0.11	<0.045	0.019 J	<0.01	
Indeno(1,2,3-c,d)pyrene	mg/kg	1.1	Δ, Σ	0.0020 J	0.0019 J	0.0037 J	0.0022 J	0.0055 J	0.026 J	<0.11	<0.11	<0.11	0.0053 J	0.023 J	0.0014 J	
Phenanthrene	mg/kg	-	-	0.15	0.14	0.1	0.11	0.064	0.035 J	0.026 J	0.023 J	0.07 J	0.011 J	0.11 J	0.0072 J	
Pyrene	mg/kg	1800	Δ, Σ	0.026	0.027	0.022	0.024	0.017 J	0.058 J	<0.11	<0.11	0.045 J	<0.045	0.085 J	0.0043 J	
Naphthalene	mg/kg	2	Δ, Σ	0.13	0.11	0.071	0.08	0.042 J	<0.11	0.019 J	<0.11	<0.11	<0.045	0.052 J	0.0023 J	

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
pg/g = picograms per gram
- = Not analyzed/Not available
< = 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
PAH = polycyclic aromatic hydrocarbon
Environmental Standards
Δ - 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. April 2025
Σ - United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) (TR=1E-06, HQ=1) , November 2024, EPA RSL (Nov 2024, HQ=1.0) - Resident Soil

Table 3
Soil Analytical Results - PAHs
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Location Code		Threshold	Note	COMP-12		COMP-13	COMP-14	COMP-15	COMP-16	COMP-17	COMP-18	COMP-19	COMP-20	COMP-21		COMP-22	
Field ID				COMP-12	DUP01-050125	COMP-13	COMP-14	COMP-15	COMP-16	COMP-17	COMP-18	COMP-19	COMP-20	COMP-21	DUP01-250516	COMP-22	
Sample Depth (ft-bgs)				0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25
Date				05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/16/2025	05/16/2025	05/16/2025	05/16/2025
SDG				532165	532165	532165	532165	532165	532165	532165	532165	532165	532165	533332	533332	533332	533332
Inorganics																	
Moisture	%	-		4	3	6	5	7	5	4	5	4	2	2	2	2	
PAHs																	
1-Methylnaphthalene	mg/kg	0.18	Σ	0.016 J	0.021	0.027	0.017 J	<0.21	<0.1	<0.1	<0.1	<0.01	<0.25	0.0088 J	0.01	0.0093 J	
2-Methylnaphthalene	mg/kg	190	Δ	0.021	0.031	0.031	0.018 J	<0.21	<0.1	<0.1	<0.1	<0.01	<0.25	0.014	0.015	0.011 J	
Acenaphthene	mg/kg	3300	Δ	<0.021	<0.021	0.0017 J	<0.021	<0.21	<0.1	<0.1	<0.1	<0.01	<0.25	0.00090 J	0.0010 J	<0.051	
Acenaphthylene	mg/kg	-	-	0.0068 J	0.0076 J	0.0096 J	0.0042 J	<0.21	<0.1	<0.1	<0.1	<0.01	<0.25	0.0032 J	0.0031 J	<0.051	
Anthracene	mg/kg	17000	Δ	0.0090 J	0.012 J	0.01 J	0.0097 J	<0.21	<0.1	<0.1	<0.1	0.0013 J	<0.25	0.0059 J	0.0051 J	<0.051	
Benzo(a)anthracene	mg/kg	1.1	Δ, Σ	0.0025 J	0.0029 J	0.0026 J	0.0042 J	<0.21	0.013 J	<0.1	0.0082 J	0.0010 J	<0.25	0.0026 J	0.0031 J	<0.051	
Benzo(a) pyrene	mg/kg	0.11	Δ, Σ	<0.021	<0.021	<0.021	<0.021	<0.21	<0.1	<0.1	<0.1	<0.01	<0.25	0.0019 J	0.0025 J	<0.051	
Benzo(b)fluoranthene	mg/kg	1.1	Δ, Σ	<0.021	<0.021	<0.021	<0.021	<0.21	0.025 J	0.01 J	0.012 J	0.0023 J	0.022 J	0.0040 J	0.0048 J	0.0050 J	
Benzo(g,h,i)perylene	mg/kg	-	-	<0.021	<0.021	<0.021	0.0028 J	<0.21	0.017 J	0.014 J	<0.1	0.0018 J	<0.25	0.0033 J	0.0037 J	<0.051	
Benzo(k)fluoranthene	mg/kg	11	Δ, Σ	<0.021	<0.021	<0.021	<0.021	<0.21	<0.1	<0.1	<0.1	<0.01	<0.25	<0.01	<0.01	<0.051	
Chrysene	mg/kg	110	Δ, Σ	0.0045 J	0.0042 J	0.0040 J	0.0075 J	<0.21	0.02 J	0.0069 J	0.017 J	0.0016 J	0.018 J	0.0053 J	0.0055 J	0.0052 J	
Dibenz(a,h)anthracene	mg/kg	0.028	Δ	<0.021	<0.021	<0.021	<0.021	<0.21	<0.1	<0.1	<0.1	<0.01	<0.25	<0.01	<0.01	<0.051	
Fluoranthene	mg/kg	2400	Δ, Σ	0.016 J	0.022	0.015 J	0.02 J	<0.21	0.033 J	<0.1	0.033 J	0.0035 J	<0.25	0.014	0.013	0.01 J	
Fluorene	mg/kg	2300	Δ	0.011 J	0.016 J	0.0099 J	0.0048 J	<0.21	<0.1	<0.1	<0.1	<0.01	<0.25	0.0054 J	0.0063 J	0.017 J	
Indeno(1,2,3-c,d)pyrene	mg/kg	1.1	Δ, Σ	<0.021	<0.021	<0.021	0.0022 J	<0.21	0.011 J	<0.1	<0.1	0.0011 J	<0.25	0.0021 J	0.0023 J	<0.051	
Phenanthrene	mg/kg	-	-	0.057	0.074	0.052	0.055	<0.21	0.022 J	<0.1	0.033 J	0.0061 J	<0.25	0.039	0.036	0.021 J	
Pyrene	mg/kg	1800	Δ, Σ	0.01 J	0.016 J	0.012 J	0.016 J	<0.21	<0.1	<0.1	<0.1	<0.01	<0.25	0.0099 J	0.0097 J	<0.051	
Naphthalene	mg/kg	2	Δ, Σ	0.031	0.048	0.065	0.045	<0.21	<0.1	<0.1	<0.1	0.0017 J	<0.25	0.031	0.034	0.019 J	

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
pg/g = picograms per gram
- = Not analyzed/Not available
< = 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
PAH = polycyclic aromatic hydrocarbon
Environmental Standards
Δ - 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. April 2025
Σ - United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) (TR=1E-06, HQ=1) , November 2024, EPA RSL (Nov 2024, HQ=1.0) - Resident Soil

Location Code		Threshold	Note	COMP-23	COMP-24	COMP-25
Field ID				COMP-23	COMP-24	COMP-25
Sample Depth (ft-bgs)				0 - 0.25	0 - 0.25	0 - 0.25
Date				05/16/2025	05/16/2025	05/16/2025
SDG				533332	533332	533332
Inorganics						
Moisture	%	-		16	10	11
PAHs						
1-Methylnaphthalene	mg/kg	0.18	Σ	<0.059	<0.11	<0.056
2-Methylnaphthalene	mg/kg	190	Δ	<0.059	<0.11	<0.056
Acenaphthene	mg/kg	3300	Δ	<0.059	<0.11	<0.056
Acenaphthylene	mg/kg	-	-	<0.059	<0.11	<0.056
Anthracene	mg/kg	17000	Δ	<0.059	<0.11	<0.056
Benz(a)anthracene	mg/kg	1.1	Δ, Σ	0.0069 J	0.036 J	<0.056
Benzo(a) pyrene	mg/kg	0.11	Δ, Σ	<0.059	0.027 J	<0.056
Benzo(b)fluoranthene	mg/kg	1.1	Δ, Σ	0.012 J	0.042 J	<0.056
Benzo(g,h,i)perylene	mg/kg	-	-	0.01 J	0.02 J	<0.056
Benzo(k)fluoranthene	mg/kg	11	Δ, Σ	<0.059	<0.11	<0.056
Chrysene	mg/kg	110	Δ, Σ	0.0087 J	0.041 J	<0.056
Dibenz(a,h)anthracene	mg/kg	0.028	Δ	<0.059	<0.11	<0.056
Fluoranthene	mg/kg	2400	Δ, Σ	0.017 J	0.049 J	<0.056
Fluorene	mg/kg	2300	Δ	<0.059	<0.11	<0.056
Indeno(1,2,3-c,d)pyrene	mg/kg	1.1	Δ, Σ	0.0066 J	0.019 J	<0.056
Phenanthrene	mg/kg	-	-	0.023 J	0.034 J	<0.056
Pyrene	mg/kg	1800	Δ, Σ	<0.059	0.048 J	<0.056
Naphthalene	mg/kg	2	Δ, Σ	0.012 J	<0.11	<0.056

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
pg/g = picograms per gram
- = Not analyzed/Not available
< = 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
PAH = polycyclic aromatic hydrocarbon
Environmental Standards
Δ - 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. April 2025
Σ - United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) (TR=1E-06, HQ=1) , November 2024, EPA RSL (Nov 2024, HQ=1.0) - Resident Soil

Table 4
Soil Analytical Results - OCPs
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Location Code		Threshold	Note	COMP-01		COMP-03	COMP-05	COMP-07	COMP-11	COMP-12		COMP-14	COMP-15	COMP-17	COMP-18	COMP-21		COMP-22	COMP-24	
Field ID				COMP-1	COMP-1-DUP	COMP-3	COMP-5	COMP-7	COMP-11	COMP-12	DUP01-050125	COMP-14	COMP-15	COMP-17	COMP-18	COMP-21	DUP01-250516	COMP-22	COMP-24	
Sample Depth (ft-bgs)				0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25
Date				04/17/2025	04/17/2025	04/17/2025	04/17/2025	04/17/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/16/2025	05/16/2025	05/16/2025	05/16/2025
SDG				531281	531281	531281	531281	531281	532165	532165	532165	532165	532165	532165	532165	532165	533332	533332	533332	533332
Inorganics																				
Moisture	%	-		6	5	6	6	6	4	4	3	5	7	4	5	2	2	2	10	
Pesticides																				
4,4'-DDD	µg/kg	1,900	Δ	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
4,4'-DDE	µg/kg	2,000	Δ, Σ	<5.2	<5.3	<5.3	<5.4	28	<5.3	<5.2	<5.2	<10	5.0 J	73	94	<5.2	<5.2	<5.2	<5.6	
4,4'-DDT	µg/kg	1,900	Δ, Σ	<5.2	<5.3	<5.3	9.0 C	26	<5.3	<5.2	<5.2	<10	15 C	33	<10	<5.2	<5.2	<5.2	<5.6	
Aldrin	µg/kg	39	Δ, Σ	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
alpha-BHC	µg/kg	86	Δ, Σ	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
beta-BHC	µg/kg	300	Δ, Σ	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	8.8	
Chlordane (technical)	µg/kg	1,700	Δ, Σ	<52	<53	<53	210	110	<53	<52	<52	<100	<54	<52	<100	<52	<52	<52	<56	
delta-BHC	µg/kg	3.8	Σ	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
Dieldrin	µg/kg	34	Δ, Σ	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
Endosulfan I	µg/kg	-	-	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
Endosulfan II	µg/kg	-	-	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
Endosulfan sulfate	µg/kg	380,000	Δ, Σ	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
Endrin	µg/kg	19,000	Δ, Σ	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
Endrin aldehyde	µg/kg	-	-	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
Endrin ketone	µg/kg	-	-	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
gamma-BHC (Lindane)	µg/kg	57	Σ	<5.2	<5.3	<5.3	5.4 CJ	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
Heptachlor	µg/kg	130	Δ, Σ	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
Heptachlor epoxide	µg/kg	70	Δ, Σ	<5.2	<5.3	<5.3	<5.4	<5.4	<5.3	<5.2	<5.2	<10	<5.4	<5.2	<10	<5.2	<5.2	<5.2	<5.6	
Methoxychlor	µg/kg	320000	Δ, Σ	<10	<11	<11	<11	<11	<11	<10	<10	<21	<11	<10	<21	<10	<10	<10	<11	
Toxaphene	mg/kg	0.45	Δ	<0.1	<0.11	<0.11	<0.11	<0.11	<0.11	<0.1	<0.1	<0.21	<0.11	<0.1	<0.21	<0.1	<0.1	<0.1	<0.11	

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
µg/kg = micrograms per kilogram
- = Not analyzed/Not available
< = analyte not detected at or above laboratory reporting limit
C = Presence confirmed, but RPD between columns exceeds 40%
J = Estimated below laboratory reporting limit
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group
OCP = organochlorine pesticides

Environmental Standards
Δ - 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. April 2025
Σ - United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) (TR=1E-06, HQ=1) , November 2024, EPA RSL (Nov 2024, HQ=1.0) - Resident Soil

Table 5
Soil Analytical Results - TPH
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Location Code		Threshold	Note	COMP-01		COMP-05	COMP-10	COMP-11	COMP-12		COMP-17	COMP-21		COMP-24
Field ID				COMP-1	COMP-1-DUP	COMP-5	COMP-10	COMP-11	COMP-12	DUP01-050125	COMP-17	COMP-21	DUP01-250516	COMP-24
Sample Depth (ft-bgs)				0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25
Date				04/17/2025	04/17/2025	04/17/2025	04/17/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/16/2025	05/16/2025	05/16/2025
SDG				531281	531281	531281	531281	532165	532165	532165	532165	533332	533332	533332
Inorganics														
Moisture	%	-		6	5	6	36	4	4	3	4	2	2	10
TPH														
TPH as Gasoline	mg/kg	100	Q	<11	<10	<53	<31	<10	31	8.8 J	<21	<10	<10	<22
TPH as Diesel	mg/kg	1,000	Q	38	72	62	660	12	260	100	110	52	52	56
TPH as Motor Oil	mg/kg	1,000	Q	36	160	340	670	28	190	74	120	70	88	160

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
- = Not analyzed/Not available
< = analyte not detected at or above laboratory reporting limit
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group
TPH = total petroleum hydrocarbon
Environmental Standards
Q - Los Angeles Unified School District (LAUSD) Specification Section 01 4524, Environmental Import/Export Materials Testing, August 29, 2018.

Table 6
Soil Analytical Results - Dioxins and Furans
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Location Code		Threshold	Note	COMP-01		COMP-05	COMP-10	COMP-11	COMP-12		COMP-17	COMP-21		COMP-24		
Field ID	Sample Depth (ft-bgs)			COMP-1	COMP-1-DUP	COMP-5	COMP-10	COMP-11	COMP-12	DUP01-050125	COMP-17	COMP21	DUP01-250516	COMP-24		
Date				0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25		
SDG				04/17/2025	04/17/2025	04/17/2025	04/17/2025	05/01/2025	05/01/2025	05/01/2025	05/01/2025	05/16/2025	05/16/2025	05/16/2025		
				531281	531281	531281	531281	532165	532165	532165	532165	320-12665-1	320-12665-1	320-12665-1		
Inorganics																
Moisture	%	-		6	5	6	36	4	4	3	4	6.5	6.4	11.9		
Dioxins and Furans																
1,2,3,4,6,7,8,9-OCDD	pg/g	-	-	16.8	30.1	2,610	2,240	157	75.5	<4.99	3,020	140	110	3,800		
1,2,3,4,6,7,8,9-OCDF	pg/g	-	-	<4.98	<4.99	135	52.7	9.99	<4.98	6.50	120	<10	<10	340		
1,2,3,4,6,7,8-HpCDD	pg/g	-	-	3.28	6.34	220	148	16.1	10.4	14.4	279	16	13	420 G		
1,2,3,4,6,7,8-HpCDF	pg/g	-	-	<2.49	2.76	40.7	20.8	4.54	2.81	3.70	55.8	5.6	5.3	140		
1,2,3,4,7,8,9-HpCDF	pg/g	-	-	<2.49	<2.49	2.94	<2.49	<2.49	<2.49	<2.49	3.05	<5.1	<5.1	8.4		
1,2,3,4,7,8-HxCDD	pg/g	-	-	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.48	<5.1	<5.1	6.3 q		
1,2,3,4,7,8-HxCDF	pg/g	-	-	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	6.60	<5.1	<5.1	<5.5		
1,2,3,6,7,8-HxCDD	pg/g	-	-	<2.49	<2.49	6.82	4.01	<2.49	<2.49	<2.49	6.27	<5.1	<5.1	15		
1,2,3,6,7,8-HxCDF	pg/g	-	-	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	2.82	<5.1	<5.1	5.7		
1,2,3,7,8,9-HxCDD	pg/g	-	-	<2.49	<2.49	4.01	<2.49	<2.49	<2.49	<2.49	3.81	<5.1	<5.1	11		
1,2,3,7,8,9-HxCDF	pg/g	-	-	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.48	<5.1	<5.1	<5.5		
1,2,3,7,8-PeCDD	pg/g	-	-	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.48	<5.1	<5.1	<5.5		
1,2,3,7,8-PeCDF	pg/g	-	-	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.48	<5.1	<5.1	<5.5		
2,3,4,6,7,8-HxCDF	pg/g	-	-	<2.49	<2.49	2.71	<2.49	<2.49	<2.49	<2.49	<2.48	<5.1	<5.1	6.2		
2,3,4,7,8-PeCDF	pg/g	-	-	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	2.89	<5.1	<5.1	<5.5		
2,3,7,8-TCDD	pg/g	-	-	<0.498	<0.499	<0.498	<0.498	<0.498	<0.498	<0.499	<0.497	<1.0	<1.0	<1.1		
2,3,7,8-TCDF	pg/g	-	-	<0.498	0.929	<0.498	1.17	<0.498	<0.498	0.666	2.83	<1.0	<1.0	1.4 q		
Total HpCDD	pg/g	-	-	7.62	13.6	396	373	34.3	20.0	27.1	565	35	30	890 G		
Total HpCDF	pg/g	-	-	<2.49	4.07	145	53.4	10.3	6.93	8.53	133	5.6	5.3	320		
Total HxCDD	pg/g	-	-	<2.49	<2.49	44.6	38.5	5.93	6.34	8.57	57.0	<5.1	<5.1	120 q		
Total HxCDF	pg/g	-	-	<2.49	3.57	51.3	29.6	5.04	4.78	6.23	63.4	<5.1	<5.1	85		
Total PeCDD	pg/g	-	-	<2.49	5.20	2.89	4.92	3.11	<2.49	<2.49	7.50	<5.1	<5.1	<5.5		
Total PeCDF	pg/g	-	-	<2.49	10.6	33.5	20.4	4.68	5.07	8.09	54.9	<5.1	<5.1	12 q		
Total TCDD	pg/g	-	-	8.25	15.7	4.20	12.8	4.04	6.42	10.0	15.4	11 q	12 q	1.3 q		
Total TCDF	pg/g	-	-	-	-	-	-	-	-	-	-	4.7 q	6.7 q	6.4 q		
Total-Tetrafurans	pg/g	-	-	17.5	36.6	9.54	27.2	7.70	15.9	19.6	27.2	-	-	-		
Dioxin TEQ	pg/g	50	Ω	2.86 J	2.98 J	7.24 J	5.56 J	3.07 J	2.97 J	3.04 J	9.32 J	6.01 J	5.97 J	16.24 J		

Note:
Detected concentrations are **bold-faced**
pg/g = picograms per gram
- = Not analyzed/Not available
< = analyte not detected at or above laboratory reporting limit
G = The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
J = Estimated below laboratory reporting limit
q = The reported result is the estimated
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group
Environmental Standards
Ω - California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO), Human Health Risk Assessment (HHRA) Note Number 2, Soil Remedial Goals for Dioxins and Dioxin-like Compounds for Consideration at California Hazardous Waste Sites

Table 7
Soil Analytical Results - VOCs
Soil Sampling Report
Marquez Charter Elementary School
16821 Marquez Avenue, Pacific Palisades, CA

Location Code		Threshold	Note	G-05	G-21	G-44	G-52	G-57	
Field ID				G5-250417	G21-250417	G44-250417	G 52	G 57	DUP02-050125
Sample Depth (ft-bgs)				0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25
Date				04/17/2025	04/17/2025	04/17/2025	05/01/2025	05/01/2025	05/01/2025
SDG				531281	531281	531281	532165	532165	532165
Inorganics									
Moisture	%	-	-	2	2	42	3	7	8
VOCs									
1,4-Dichloro-2-butene(cis)	mg/kg	0.0074	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,4-Dichloro-2-butene(trans)	mg/kg	0.0074	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Allyl chloride	mg/kg	0.72	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Hexachlorobutadiene	mg/kg	1.2	Δ, Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,1,1,2-Tetrachloroethane	mg/kg	2	Δ, Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,1,1-Trichloroethane	mg/kg	1700	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,1,2,2-Tetrachloroethane	mg/kg	0.6	Δ, Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,1,2-Trichloroethane	mg/kg	1.1	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,1,2-Trichlorotrifluoroethane (Freon-113)	mg/kg	6700	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,1-Dichloroethane	mg/kg	3.6	Δ, Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,1-Dichloroethene	mg/kg	4.8	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,1-Dichloropropene	mg/kg	-	-	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,2,3-Trichlorobenzene	mg/kg	40	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,2,3-Trichloropropane	mg/kg	0.0015	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,2,4-Trichlorobenzene	mg/kg	7.8	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,2,4-Trimethylbenzene	mg/kg	300	Σ	0.0014 J	<0.0066	<0.03	<0.0065	0.69	<0.58
1,2-Dibromo-3-chloropropane	mg/kg	0.0043	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,2-Dibromoethane	mg/kg	0.036	Δ, Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,2-Dichlorobenzene	mg/kg	1800	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,2-Dichloroethane	mg/kg	0.46	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,2-Dichloroethene(cis)	mg/kg	18	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,2-Dichloroethene(trans)	mg/kg	70	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,2-Dichloropropane	mg/kg	2.5	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,3,5-Trimethylbenzene	mg/kg	270	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,3-Dichlorobenzene	mg/kg	-	-	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,3-Dichloropropane	mg/kg	410	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,3-Dichloropropene(cis)	mg/kg	-	-	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,3-Dichloropropene(trans)	mg/kg	-	-	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
1,4-Dichlorobenzene	mg/kg	2.6	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
2,2-Dichloropropane	mg/kg	-	-	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
2-chlorotoluene	mg/kg	470	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
4-Chlorotoluene	mg/kg	440	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
4-Methyl-2-pentanone	mg/kg	33000	Σ	<0.0079	0.0021 J	<0.03	<0.0065	<0.54	<0.58
Acetone	mg/kg	70000	Σ	0.23	0.15	1.4	0.06 J	<11	<12
Benzene	mg/kg	0.33	Δ	0.0078 J	<0.0066	0.0072 J	<0.0065	<0.54	<0.58
Bromobenzene	mg/kg	290	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Bromochloromethane	mg/kg	150	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Bromodichloromethane	mg/kg	0.29	Δ, Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Bromoform	mg/kg	19	Δ, Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Bromomethane	mg/kg	6.8	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Carbon tetrachloride	mg/kg	0.65	Δ, Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Chlorobenzene	mg/kg	280	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Chlorodibromomethane	mg/kg	0.94	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Chloroethane	mg/kg	5400	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.58	<0.62
Chloroform	mg/kg	0.32	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Chloromethane	mg/kg	110	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Dibromomethane	mg/kg	24	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Dichlorodifluoromethane	mg/kg	87	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Dichloromethane	mg/kg	2.2	Δ	<0.0079	<0.0066	<0.03	<0.0065	<1.9	<2
Ethylbenzene	mg/kg	5.8	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Isopropylbenzene	mg/kg	1900	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Methyl Ethyl Ketone	mg/kg	27000	Σ	0.051 J	0.018 J	0.092 J	<0.13	<11	<12
Methyl Tertiary Butyl Ether	mg/kg	47	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Naphthalene	mg/kg	2	Δ, Σ	0.0019 J	<0.0066	<0.03	<0.0065	<0.54	<0.58
n-butylbenzene	mg/kg	2400	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
n-propylbenzene	mg/kg	3800	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
p-isopropyltoluene	mg/kg	170	Σ	<0.0079	<0.0066	0.0062 J	<0.0065	9.9	3.2
sec-butylbenzene	mg/kg	2200	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Styrene	mg/kg	5600	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
tert-Butylbenzene	mg/kg	2200	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Tetrachloroethene	mg/kg	0.59	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Toluene	mg/kg	1100	Δ	0.0079 J	<0.0066	0.02 J	<0.0065	<0.54	<0.58
Trichloroethene	mg/kg	0.94	Σ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Trichlorofluoromethane	mg/kg	1200	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Vinyl chloride	mg/kg	0.0082	Δ	<0.0079	<0.0066	<0.03	<0.0065	<0.54	<0.58
Xylene (m & p)	mg/kg	-	-	0.0037 J	<0.013	<0.059	<0.013	<1.1	<1.2
Xylene (o)	mg/kg	640	Σ	0.0019 J	<0.0066	<0.03	<0.0065	<0.54	<0.58
Xylenes (total)	mg/kg	580	Σ	0.0056 J	<0.0066	<0.03	<0.0065	<0.54	<0.58

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
- = Not analyzed/Not available
< = 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
VOC = volatile organic compound
Environmental Standards
Δ - 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. April 2025

Σ - United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) (TR=1E-06, HQ=1) , November 2024, EPA RSL (Nov 2024, HQ=1.0) - Resident Soil

Location Code		Threshold	Note	G-76	G-96		G-110
Field ID				G 76	DUP02-250516	G96	G110
Sample Depth (ft-bgs)				0 - 0.25	0 - 0.25	0 - 0.25	0 - 0.25
Date				05/01/2025	05/16/2025	05/16/2025	05/16/2025
SDG				532165	533332	533332	533332
Inorganics							
Moisture	%	-	-	4	-	5	11
VOCs							
1,4-Dichloro-2-butene(cis)	mg/kg	0.0074	Σ	<0.0091	<0.0079	<0.0080	<0.011
1,4-Dichloro-2-butene(trans)	mg/kg	0.0074	Σ	<0.0091	<0.0079	<0.0080	<0.011
Allyl chloride	mg/kg	0.72	Σ	<0.0091	<0.0079	<0.0080	<0.011
Hexachlorobutadiene	mg/kg	1.2	Δ, Σ	<0.0091	<0.0079	<0.0080	<0.011
1,1,1,2-Tetrachloroethane	mg/kg	2	Δ, Σ	<0.0091	<0.0079	<0.0080	<0.011
1,1,1-Trichloroethane	mg/kg	1700	Δ	<0.0091	<0.0079	<0.0080	<0.011
1,1,2,2-Tetrachloroethane	mg/kg	0.6	Δ, Σ	<0.0091	<0.0079	<0.0080	<0.011
1,1,2-Trichloroethane	mg/kg	1.1	Σ	<0.0091	<0.0079	<0.0080	<0.011
1,1,2-Trichlorotrifluoroethane (Freon-113)	mg/kg	6700	Σ	<0.0091	<0.0079	<0.0080	<0.011
1,1-Dichloroethane	mg/kg	3.6	Δ, Σ	<0.0091	<0.0079	<0.0080	<0.011
1,1-Dichloroethene	mg/kg	4.8	Σ	<0.0091	<0.0079	<0.0080	<0.011
1,1-Dichloropropene	mg/kg	-	-	<0.0091	<0.0079	<0.0080	<0.011
1,2,3-Trichlorobenzene	mg/kg	40	Δ	<0.0091	<0.0079	<0.0080	<0.011
1,2,3-Trichloropropane	mg/kg	0.0015	Δ	<0.0091	<0.0079	<0.0080	<0.011
1,2,4-Trichlorobenzene	mg/kg	7.8	Δ	<0.0091	<0.0079	<0.0080	<0.011
1,2,4-Trimethylbenzene	mg/kg	300	Σ	<0.0091	<0.0079	<0.0080	<0.011
1,2-Dibromo-3-chloropropane	mg/kg	0.0043	Δ	<0.0091	<0.0079	<0.0080	<0.011
1,2-Dibromoethane	mg/kg	0.036	Δ, Σ	<0.0091	<0.0079	<0.0080	<0.011
1,2-Dichlorobenzene	mg/kg	1800	Σ	<0.0091	<0.0079	<0.0080	<0.011
1,2-Dichloroethane	mg/kg	0.46	Σ	<0.0091	<0.0079	<0.0080	<0.011
1,2-Dichloroethene(cis)	mg/kg	18	Δ	<0.0091	<0.0079	<0.0080	<0.011
1,2-Dichloroethene(trans)	mg/kg	70	Σ	<0.0091	<0.0079	<0.0080	<0.011
1,2-Dichloropropane	mg/kg	2.5	Σ	<0.0091	<0.0079	<0.0080	<0.011
1,3,5-Trimethylbenzene	mg/kg	270	Σ	<0.0091	<0.0079	<0.0080	<0.011
1,3-Dichlorobenzene	mg/kg	-	-	<0.0091	<0.0079	<0.0080	<0.011
1,3-Dichloropropane	mg/kg	410	Δ	<0.0091	<0.0079	<0.0080	<0.011
1,3-Dichloropropene(cis)	mg/kg	-	-	<0.0091	<0.0079	<0.0080	<0.011
1,3-Dichloropropene(trans)	mg/kg	-	-	<0.0091	<0.0079	<0.0080	<0.011
1,4-Dichlorobenzene	mg/kg	2.6	Σ	<0.0091	<0.0079	<0.0080	<0.011
2,2-Dichloropropane	mg/kg	-	-	<0.0091	<0.0079	<0.0080	<0.011
2-chlorotoluene	mg/kg	470	Δ	<0.0091	<0.0079	<0.0080	<0.011
4-Chlorotoluene	mg/kg	440	Δ	<0.0091	<0.0079	<0.0080	<0.011
4-Methyl-2-pentanone	mg/kg	33000	Σ	<0.0091	0.0021 J	0.0030 J	<0.011
Acetone	mg/kg	70000	Σ	0.21	0.32	0.5	0.28
Benzene	mg/kg	0.33	Δ	<0.0091	0.0031 J	0.0043 J	<0.011
Bromobenzene	mg/kg	290	Σ	<0.0091	<0.0079	<0.0080	<0.011
Bromochloromethane	mg/kg	150	Σ	<0.0091	<0.0079	<0.0080	<0.011
Bromodichloromethane	mg/kg	0.29	Δ, Σ	<0.0091	<0.0079	<0.0080	<0.011
Bromoform	mg/kg	19	Δ, Σ	<0.0091	<0.0079	<0.0080	<0.011
Bromomethane	mg/kg	6.8	Σ	<0.0091	<0.0079	<0.0080	<0.011
Carbon tetrachloride	mg/kg	0.65	Δ, Σ	<0.0091	<0.0079	<0.0080	<0.011
Chlorobenzene	mg/kg	280	Σ	<0.0091	<0.0079	<0.0080	<0.011
Chlorodibromomethane	mg/kg	0.94	Δ	<0.0091	<0.0079	<0.0080	<0.011
Chloroethane	mg/kg	5400	Σ	<0.0091	<0.0079	<0.0080	<0.011
Chloroform	mg/kg	0.32	Σ	<0.0091	<0.0079	<0.0080	<0.011
Chloromethane	mg/kg	110	Σ	<0.0091	<0.0079	<0.0080	<0.011
Dibromomethane	mg/kg	24	Σ	<0.0091	<0.0079	<0.0080	<0.011
Dichlorodifluoromethane	mg/kg	87	Σ	<0.0091	<0.0079	<0.0080	<0.011
Dichloromethane	mg/kg	2.2	Δ	<0.0091	<0.0079	<0.0080	<0.011
Ethylbenzene	mg/kg	5.8	Σ	<0.0091	<0.0079	<0.0080	<0.011
Isopropylbenzene	mg/kg	1900	Σ	<0.0091	<0.0079	<0.0080	<0.011
Methyl Ethyl Ketone	mg/kg	27000	Σ	0.014 J	0.046 J	0.059 J	0.025 J
Methyl Tertiary Butyl Ether	mg/kg	47	Σ	<0.0091	<0.0079	<0.0080	<0.011
Naphthalene	mg/kg	2	Δ, Σ	<0.0091	<0.0079	<0.0080	<0.011
n-butylbenzene	mg/kg	2400	Δ	<0.0091	<0.0079	<0.0080	<0.011
n-propylbenzene	mg/kg	3800	Σ	<0.0091	<0.0079	<0.0080	<0.011
p-isopropyltoluene	mg/kg	170	Σ	<0.0091	0.0022 J	0.0035 J	0.01 J
sec-butylbenzene	mg/kg	2200	Δ	<0.0091	<0.0079	<0.0080	<0.011
Styrene	mg/kg	5600	Δ	<0.0091	<0.0079	<0.0080	<0.011
tert-Butylbenzene	mg/kg	2200	Δ	<0.0091	<0.0079	<0.0080	<0.011
Tetrachloroethene	mg/kg	0.59	Δ	<0.0091	<0.0079	<0.0080	<0.011
Toluene	mg/kg	1100	Δ	<0.0091	0.0020 J	0.0032 J	<0.011
Trichloroethene	mg/kg	0.94	Σ	<0.0091	<0.0079	<0.0080	<0.011
Trichlorofluoromethane	mg/kg	1200	Δ	<0.0091	<0.0079	<0.0080	<0.011
Vinyl chloride	mg/kg	0.0082	Δ	<0.0091	<0.0079	<0.0080	<0.011
Xylene (m & p)	mg/kg	-	-	<0.018	<0.016	<0.016	<0.022
Xylene (o)	mg/kg	640	Σ	<0.0091	<0.0079	<0.0080	<0.011
Xylenes (total)	mg/kg	580	Σ	<0.0091	<0.0079	<0.0080	<0.011

Note:
Detected concentrations are **bold-faced**
mg/kg= milligrams per kilogram
- = Not analyzed/Not available
< = 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
VOC = volatile organic compound
Environmental Standards
Δ - 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. April 2025

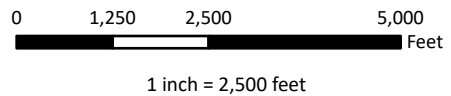
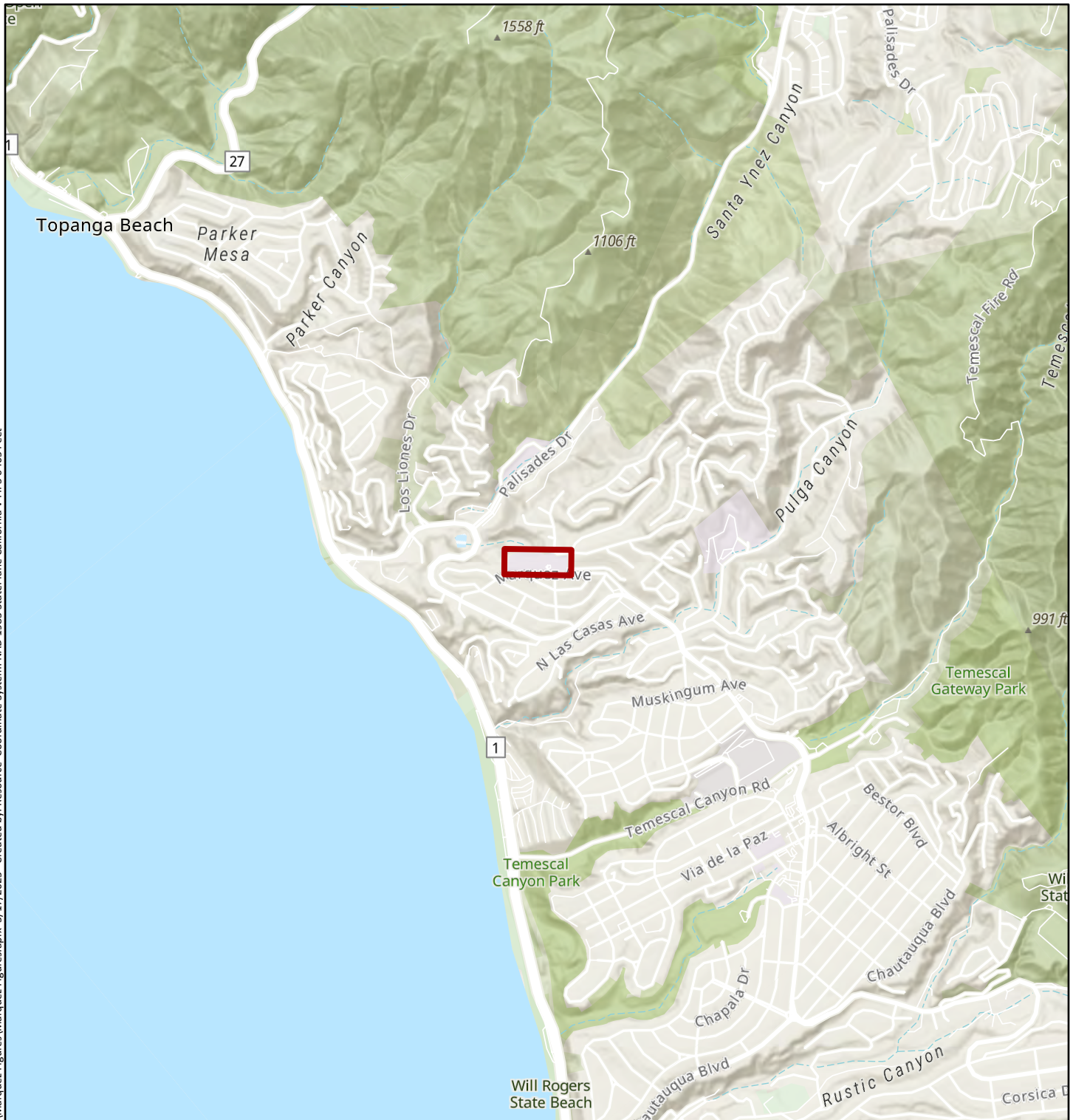
Σ - United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) (TR=1E-06, HQ=1) , November 2024, EPA RSL (Nov 2024, HQ=1.0) - Resident Soil

Figures

1. Site Location
2. Pre-Fire Structures and Tiers
3. Sample Location



File: N:\GIS\Prj\S030 LAUSD\S030.076 Marquez ES\Pro Project\Marquez Figures\Marquez Figures.aprx 3/17/2025 Created by: Resource Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet



Legend

 Site Location

Imagery Source: ESRI World Topographic Map

SAFETY FIRST



CLIENT:	LAUSD
PROJECT:	Marquez Charter School 16821 Marquez Ave, Pacific Palisades, CA
PROJECT NUMBER:	S030.076.001

Site Location

FIGURE 1

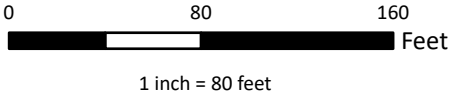
File: N:\GIS\Prj\S030\LAUSD\S030.076_Marquez ES\Pro Project\Marquez Figures\Figures.aprx Layout: Figure 2 - Pre-Fire 7/2/2025 Created by: Resource Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet



Legend

- Lower Tier
- Middle Tier
- Upper Tier
- Site Boundary

Aerial imagery source: Nearmap (September 4, 2024)



SAFETY FIRST

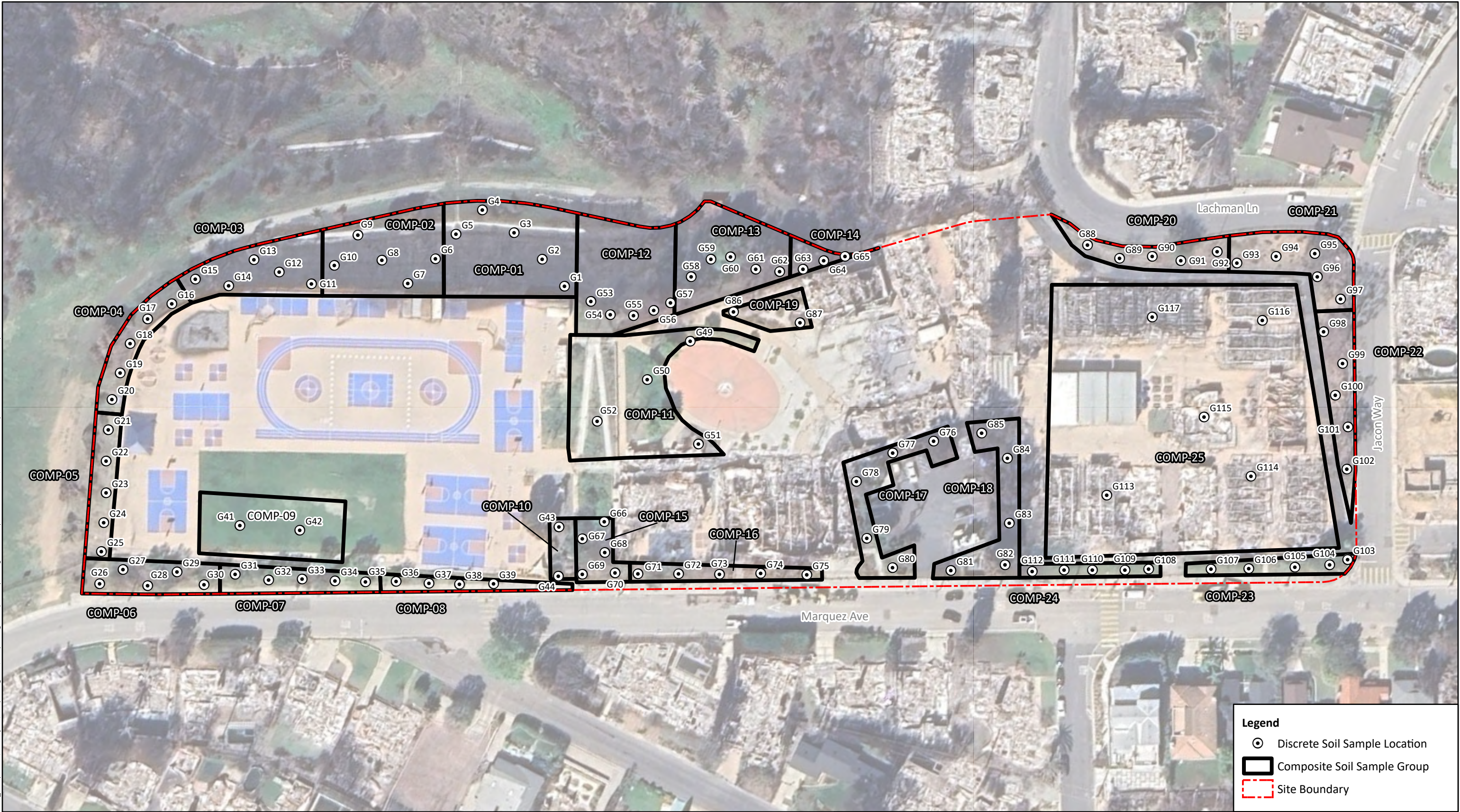


CLIENT:	LAUSD
PROJECT:	Marquez Charter School 16821 Marquez Ave, Pacific Palisades, CA
PROJECT NUMBER:	S030.076.001

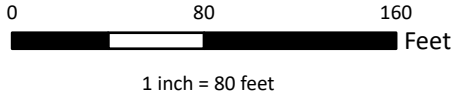
Pre-Fire Structures and Tiers

FIGURE 2

File: N:\GIS\Prj\S030\LAUSD\S030.076_Marquez ES\Pro Project\Marquez Figures\Figures.aprx Layout: Figure 3 - Sample Location Map 6/6/2025 Created by: Resource Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet



Aerial imagery source: Google Earth, March 3, 2025



SAFETY FIRST



CLIENT: LAUSD
PROJECT: Marquez Charter School
16821 Marquez Ave, Pacific Palisades, CA
PROJECT NUMBER: S030.076.001

- Legend**
- Discrete Soil Sample Location
 - ▭ Composite Soil Sample Group
 - - - Site Boundary

Sample Location Map

FIGURE 3

Appendix A

Soil Sampling Analytical Reports





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

enthalpy.com

Lab Job Number : 531281
Report Level : II
Report Date : 04/25/2025
Revision : 1 (See narrative)

Analytical Report *prepared for:*

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - Marquez CES / S030.076

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, ORELAP# 4197

Sample Summary

Clare Steedman
 Terraphase Engineering
 18401 Von Karman Ave, Suite
 #410
 Irvine, CA 92612

Lab Job #: 531281
 Project No: LAUSD SCHOOL
 Location: Marquez CES / S030.076
 Date Received: 04/17/25

Sample ID	Lab ID	Collected	Matrix
G1-250417	531281-001	04/17/25 08:27	Soil
G2-250417	531281-002	04/17/25 08:42	Soil
G3-250417	531281-003	04/17/25 08:39	Soil
G4-250417	531281-004	04/17/25 08:37	Soil
G5-250417	531281-005	04/17/25 08:35	Soil
G6-250417	531281-006	04/17/25 09:13	Soil
G7-250417	531281-007	04/17/25 09:06	Soil
G8-250417	531281-008	04/17/25 09:17	Soil
G9-250417	531281-009	04/17/25 09:19	Soil
G10-250417	531281-010	04/17/25 09:22	Soil
G11-250417	531281-011	04/17/25 09:57	Soil
G12-250417	531281-012	04/17/25 09:59	Soil
G13-250417	531281-013	04/17/25 10:03	Soil
G14-250417	531281-014	04/17/25 10:06	Soil
G15-250417	531281-015	04/17/25 10:09	Soil
G16-250417	531281-016	04/17/25 10:40	Soil
G17-250417	531281-017	04/17/25 10:42	Soil
G18-250417	531281-018	04/17/25 10:45	Soil
G19-250417	531281-019	04/17/25 10:48	Soil
G20-250417	531281-020	04/17/25 10:44	Soil
G21-250417	531281-021	04/17/25 11:15	Soil
G22-250417	531281-022	04/17/25 11:17	Soil
G23-250417	531281-023	04/17/25 11:19	Soil
G24-250417	531281-024	04/17/25 11:20	Soil
G25-250417	531281-025	04/17/25 11:22	Soil
G26-250417	531281-026	04/17/25 12:40	Soil

Sample Summary

Clare Steedman
 Terraphase Engineering
 18401 Von Karman Ave, Suite
 #410
 Irvine, CA 92612

Lab Job #: 531281
 Project No: LAUSD SCHOOL
 Location: Marquez CES / S030.076
 Date Received: 04/17/25

Sample ID	Lab ID	Collected	Matrix
G27-250417	531281-027	04/17/25 12:42	Soil
G28-250417	531281-028	04/17/25 12:44	Soil
G29-250417	531281-029	04/17/25 12:48	Soil
G30-250417	531281-030	04/17/25 12:49	Soil
G31-250417	531281-031	04/17/25 12:54	Soil
G32-250417	531281-032	04/17/25 12:56	Soil
G33-250417	531281-033	04/17/25 12:57	Soil
G34-250417	531281-034	04/17/25 12:58	Soil
G35-250417	531281-035	04/17/25 13:00	Soil
G36-250417	531281-036	04/17/25 13:07	Soil
G37-250417	531281-037	04/17/25 13:08	Soil
G38-250417	531281-038	04/17/25 13:10	Soil
G39-250417	531281-039	04/17/25 13:11	Soil
G41-250417	531281-040	04/17/25 11:45	Soil
G42-250417	531281-041	04/17/25 11:47	Soil
G43-250417	531281-042	04/17/25 11:59	Soil
G44-250417	531281-043	04/17/25 12:02	Soil
COMP-1	531281-044	04/17/25 00:00	Soil
COMP-1-DUP	531281-045	04/17/25 00:00	Soil
COMP-2	531281-046	04/17/25 00:00	Soil
COMP-3	531281-047	04/17/25 00:00	Soil
COMP-4	531281-048	04/17/25 00:00	Soil
COMP-5	531281-049	04/17/25 00:00	Soil
COMP-6	531281-050	04/17/25 00:00	Soil
COMP-7	531281-051	04/17/25 00:00	Soil
COMP-8	531281-052	04/17/25 00:00	Soil



Sample Summary

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite
#410
Irvine, CA 92612

Lab Job #: 531281
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 04/17/25

Sample ID	Lab ID	Collected	Matrix
COMP-9	531281-053	04/17/25 00:00	Soil
COMP-10	531281-054	04/17/25 00:00	Soil

Case Narrative

Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612
Clare Steedman

Lab Job Number: 531281
Project No: LAUSD SCHOOL
Location: Marquez CES /
S030.076
Date Received: 04/17/25

- This data package contains sample and QC results for nine five-point soil composites, three soil samples, and two two-point soil composites, requested for the above referenced project on 04/17/25. The samples were received cold and intact.
- Revised report on 4/25/25 to include the dioxin/furan test results.

TPH-Extractables by GC (EPA 8015M):

- High surrogate recovery was observed for n-triacontane in the MS for batch 369253; the parent sample was not a project sample.
- COMP-5 (lab # 531281-049) was diluted due to the dark 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.

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

No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

- Lab numbers 531281-048, 531281-049, 531281-050, 531281-051, 531281-052, 531281-053, and 531281-054 were diluted due to the dark and viscous nature of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilutions.
- No other analytical problems were encountered.

Pesticides (EPA 8081A):

No analytical problems were encountered.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for barium and antimony in the MS/MSD for batch 369247; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits.
- Low recoveries were observed for antimony in the MS/MSD for batch 369246; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- Low recoveries were observed for mercury in the MS/MSD for batch 369293; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for mercury; this analyte was not detected at or above the RL in the associated samples.
- Low recoveries were observed for antimony in the MS/MSD for batch 369238; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Moisture (ASTM D2216):

No analytical problems were encountered.



Dioxins & Furans (EPA 8290):

Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

Asbestos by PLM (EPA 600/R-93-116):

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

Detection Summary

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 531281
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 04/17/25

Sample ID: G5-250417

Lab ID: 531281-005

Collected: 04/17/25 08:35

Matrix: Soil

Basis: Dry

531281-005 Analyte

Method: ASTM D2216
Prep Method: METHOD

	Result	Qual	Units	RL	MDL
Moisture, Percent	2		%	1	

Method: EPA 8260B
Prep Method: EPA 5035

Acetone	230		ug/Kg	160	72
2-Butanone	51	J	ug/Kg	160	12
Benzene	7.8	J	ug/Kg	7.9	1.5
Toluene	7.9	J	ug/Kg	7.9	1.5
m,p-Xylenes	3.7	J	ug/Kg	16	3.2
o-Xylene	1.9	J	ug/Kg	7.9	1.0
1,2,4-Trimethylbenzene	1.4	J	ug/Kg	7.9	1.3
Naphthalene	1.9	J	ug/Kg	7.9	1.8
Xylene (total)	5.6	J	ug/Kg	7.9	

Sample ID: G21-250417

Lab ID: 531281-021

Collected: 04/17/25 11:15

Matrix: Soil

Basis: Dry

531281-021 Analyte

Method: ASTM D2216
Prep Method: METHOD

	Result	Qual	Units	RL	MDL
Moisture, Percent	2		%	1	

Method: EPA 8260B
Prep Method: EPA 5035

Acetone	150		ug/Kg	130	60
2-Butanone	18	J	ug/Kg	130	9.7
4-Methyl-2-Pentanone	2.1	J	ug/Kg	6.6	1.6

Sample ID: G44-250417

Lab ID: 531281-043

Collected: 04/17/25 12:02

Matrix: Soil

Basis: Dry

531281-043 Analyte

Method: ASTM D2216
Prep Method: METHOD

	Result	Qual	Units	RL	MDL
Moisture, Percent	42		%	1	

Method: EPA 8260B
Prep Method: EPA 5035

Acetone	1,400		ug/Kg	590	270
2-Butanone	92	J	ug/Kg	590	44
Benzene	7.2	J	ug/Kg	30	5.7
Toluene	20	J	ug/Kg	30	5.5
para-Isopropyl Toluene	6.2	J	ug/Kg	30	5.2

Detection Summary

Sample ID: COMP-1
Lab ID: 531281-044
Collected: 04/17/25
Matrix: Soil
Basis: Dry
531281-044 Analyte

	Result	Qual	Units	RL	MDL
Method: ASTM D2216					
Prep Method: METHOD					

Moisture, Percent	6		%	1	
-------------------	---	--	---	---	--

Method: EPA 6010B

Prep Method: EPA 3050B

Arsenic	6.0		mg/Kg	1.0	0.64
Barium	110		mg/Kg	1.0	0.32
Beryllium	0.62		mg/Kg	0.51	0.034
Cadmium	1.9		mg/Kg	0.51	0.11
Chromium	23		mg/Kg	1.0	0.29
Cobalt	9.0		mg/Kg	0.51	0.27
Copper	37		mg/Kg	1.0	0.73
Lead	9.4		mg/Kg	1.0	0.77
Molybdenum	2.5		mg/Kg	1.0	0.58
Nickel	23		mg/Kg	1.0	0.32
Vanadium	47		mg/Kg	1.0	0.16
Zinc	230		mg/Kg	5.1	2.3

Method: EPA 8015M

Prep Method: EPA 3580M

DRO C10-C28	38		mg/Kg	11	3.7
ORO C28-C44	36		mg/Kg	21	3.7

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	53		ug/Kg	11	1.2
2-Methylnaphthalene	87		ug/Kg	11	1.5
Naphthalene	130		ug/Kg	11	1.7
Acenaphthylene	14		ug/Kg	11	1.2
Acenaphthene	4.4	J	ug/Kg	11	0.81
Fluorene	33		ug/Kg	11	0.91
Phenanthrene	150		ug/Kg	11	1.8
Anthracene	21		ug/Kg	11	1.1
Fluoranthene	40		ug/Kg	11	1.6
Pyrene	26		ug/Kg	11	3.5
Benzo(a)anthracene	5.7	J	ug/Kg	11	0.84
Chrysene	8.8	J	ug/Kg	11	0.70
Benzo(b)fluoranthene	5.2	J	ug/Kg	11	0.94
Benzo(a)pyrene	2.6	J	ug/Kg	11	1.6
Indeno(1,2,3-cd)pyrene	2.0	J	ug/Kg	11	1.0
Benzo(g,h,i)perylene	3.0	J	ug/Kg	11	1.3

Detection Summary

Sample ID: COMP-1-DUP

Lab ID: 531281-045

Collected: 04/17/25

Matrix: Soil

Basis: Dry

531281-045 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	5		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	4.7		mg/Kg	1.0	0.63
Barium	87		mg/Kg	1.0	0.32
Beryllium	0.49	J	mg/Kg	0.50	0.034
Cadmium	1.2		mg/Kg	0.50	0.11
Chromium	20		mg/Kg	1.0	0.28
Cobalt	6.6		mg/Kg	0.50	0.27
Copper	18		mg/Kg	1.0	0.72
Lead	6.4		mg/Kg	1.0	0.75
Molybdenum	2.0		mg/Kg	1.0	0.57
Nickel	15		mg/Kg	1.0	0.31
Vanadium	40		mg/Kg	1.0	0.16
Zinc	230		mg/Kg	5.0	2.3
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	72		mg/Kg	10	3.8
ORO C28-C44	160		mg/Kg	21	3.8
Method: EPA 8270C-SIM Prep Method: EPA 3546					
1-Methylnaphthalene	43		ug/Kg	10	1.1
2-Methylnaphthalene	66		ug/Kg	10	1.5
Naphthalene	110		ug/Kg	10	1.7
Acenaphthylene	15		ug/Kg	10	1.2
Acenaphthene	4.4	J	ug/Kg	10	0.79
Fluorene	30		ug/Kg	10	0.88
Phenanthrene	140		ug/Kg	10	1.8
Anthracene	19		ug/Kg	10	1.0
Fluoranthene	37		ug/Kg	10	1.5
Pyrene	27		ug/Kg	10	3.4
Benzo(a)anthracene	6.5	J	ug/Kg	10	0.82
Chrysene	10	J	ug/Kg	10	0.69
Benzo(b)fluoranthene	5.1	J	ug/Kg	10	0.92
Benzo(a)pyrene	3.1	J	ug/Kg	10	1.6
Indeno(1,2,3-cd)pyrene	1.9	J	ug/Kg	10	1.0
Benzo(g,h,i)perylene	2.6	J	ug/Kg	10	1.3

Detection Summary

Sample ID: COMP-2
Lab ID: 531281-046
Collected: 04/17/25
Matrix: Soil
Basis: Dry
531281-046 Analyte

Method: ASTM D2216

Prep Method: METHOD

	Result	Qual	Units	RL	MDL
Moisture, Percent	4		%	1	

Method: EPA 6010B

Prep Method: EPA 3050B

Arsenic	5.1		mg/Kg	0.99	0.62
Barium	85		mg/Kg	0.99	0.31
Beryllium	0.55		mg/Kg	0.50	0.033
Cadmium	1.3		mg/Kg	0.50	0.11
Chromium	22		mg/Kg	0.99	0.28
Cobalt	8.5		mg/Kg	0.50	0.27
Copper	22		mg/Kg	0.99	0.71
Lead	9.2		mg/Kg	0.99	0.74
Molybdenum	1.8		mg/Kg	0.99	0.56
Nickel	18		mg/Kg	0.99	0.31
Vanadium	47		mg/Kg	0.99	0.16
Zinc	180		mg/Kg	5.0	2.3

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	32		ug/Kg	10	1.1
2-Methylnaphthalene	40		ug/Kg	10	1.5
Naphthalene	71		ug/Kg	10	1.6
Acenaphthylene	7.9	J	ug/Kg	10	1.2
Acenaphthene	2.5	J	ug/Kg	10	0.78
Fluorene	22		ug/Kg	10	0.87
Phenanthrene	100		ug/Kg	10	1.7
Anthracene	13		ug/Kg	10	1.0
Fluoranthene	30		ug/Kg	10	1.5
Pyrene	22		ug/Kg	10	3.4
Benzo(a)anthracene	7.5	J	ug/Kg	10	0.81
Chrysene	13		ug/Kg	10	0.68
Benzo(b)fluoranthene	7.8	J	ug/Kg	10	0.90
Benzo(k)fluoranthene	1.7	J	ug/Kg	10	1.4
Benzo(a)pyrene	3.8	J	ug/Kg	10	1.6
Indeno(1,2,3-cd)pyrene	3.7	J	ug/Kg	10	1.0
Benzo(g,h,i)perylene	5.2	J	ug/Kg	10	1.3

Detection Summary

Sample ID: COMP-3	Lab ID: 531281-047	Collected: 04/17/25
	Matrix: Soil	Basis: Dry

531281-047 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	6		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	5.8		mg/Kg	1.0	0.65
Barium	120		mg/Kg	1.0	0.33
Beryllium	0.54		mg/Kg	0.52	0.035
Cadmium	1.2		mg/Kg	0.52	0.11
Chromium	24		mg/Kg	1.0	0.29
Cobalt	9.1		mg/Kg	0.52	0.28
Copper	27		mg/Kg	1.0	0.74
Lead	14		mg/Kg	1.0	0.77
Molybdenum	1.6		mg/Kg	1.0	0.59
Nickel	21		mg/Kg	1.0	0.32
Vanadium	49		mg/Kg	1.0	0.16
Zinc	960		mg/Kg	5.2	2.4
Method: EPA 8270C-SIM Prep Method: EPA 3546					
1-Methylnaphthalene	54		ug/Kg	11	1.2
2-Methylnaphthalene	69		ug/Kg	11	1.5
Naphthalene	80		ug/Kg	11	1.7
Acenaphthylene	8.3	J	ug/Kg	11	1.2
Acenaphthene	5.8	J	ug/Kg	11	0.80
Fluorene	27		ug/Kg	11	0.90
Phenanthrene	110		ug/Kg	11	1.8
Anthracene	17		ug/Kg	11	1.1
Fluoranthene	31		ug/Kg	11	1.5
Pyrene	24		ug/Kg	11	3.5
Benzo(a)anthracene	8.5	J	ug/Kg	11	0.84
Chrysene	15		ug/Kg	11	0.70
Benzo(b)fluoranthene	6.7	J	ug/Kg	11	0.94
Benzo(a)pyrene	3.3	J	ug/Kg	11	1.6
Indeno(1,2,3-cd)pyrene	2.2	J	ug/Kg	11	1.0
Benzo(g,h,i)perylene	4.8	J	ug/Kg	11	1.3

Detection Summary

Sample ID: COMP-4	Lab ID: 531281-048	Collected: 04/17/25
	Matrix: Soil	Basis: Dry

531281-048 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	7		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	6.5		mg/Kg	1.0	0.64
Barium	100		mg/Kg	1.0	0.32
Beryllium	0.55		mg/Kg	0.51	0.035
Cadmium	1.3		mg/Kg	0.51	0.11
Chromium	23		mg/Kg	1.0	0.29
Cobalt	9.3		mg/Kg	0.51	0.27
Copper	48		mg/Kg	1.0	0.73
Lead	31		mg/Kg	1.0	0.77
Molybdenum	1.5		mg/Kg	1.0	0.58
Nickel	19		mg/Kg	1.0	0.32
Vanadium	48		mg/Kg	1.0	0.16
Zinc	1,200		mg/Kg	5.1	2.3
Method: EPA 8270C-SIM Prep Method: EPA 3546					
1-Methylnaphthalene	31	J	ug/Kg	43	4.7
2-Methylnaphthalene	34	J	ug/Kg	43	6.2
Naphthalene	42	J	ug/Kg	43	6.9
Acenaphthylene	5.7	J	ug/Kg	43	4.8
Acenaphthene	3.3	J	ug/Kg	43	3.3
Fluorene	15	J	ug/Kg	43	3.6
Phenanthrene	64		ug/Kg	43	7.2
Anthracene	9.4	J	ug/Kg	43	4.3
Fluoranthene	20	J	ug/Kg	43	6.2
Pyrene	17	J	ug/Kg	43	14
Benzo(a)anthracene	4.7	J	ug/Kg	43	3.4
Chrysene	9.3	J	ug/Kg	43	2.8
Benzo(b)fluoranthene	12	J	ug/Kg	43	3.8
Indeno(1,2,3-cd)pyrene	5.5	J	ug/Kg	43	4.2
Benzo(g,h,i)perylene	10	J	ug/Kg	43	5.4

Detection Summary

Sample ID: COMP-5
Lab ID: 531281-049
Collected: 04/17/25
Matrix: Soil
Basis: Dry

531281-049 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	6		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	7.1		mg/Kg	1.1	0.67
Barium	110		mg/Kg	1.1	0.34
Beryllium	0.54		mg/Kg	0.53	0.036
Cadmium	1.2		mg/Kg	0.53	0.12
Chromium	22		mg/Kg	1.1	0.30
Cobalt	9.0		mg/Kg	0.53	0.28
Copper	24		mg/Kg	1.1	0.76
Lead	36		mg/Kg	1.1	0.80
Molybdenum	1.4		mg/Kg	1.1	0.61
Nickel	19		mg/Kg	1.1	0.33
Vanadium	47		mg/Kg	1.1	0.17
Zinc	1,600		mg/Kg	5.3	2.4
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	62		mg/Kg	53	19
ORO C28-C44	340		mg/Kg	110	19
Method: EPA 8081A Prep Method: EPA 3546					
gamma-BHC	5.4	C,J	ug/Kg	5.4	1.8
4,4'-DDT	9.0	C	ug/Kg	5.4	2.2
Chlordane (Technical)	210		ug/Kg	54	42
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Phenanthrene	35	J	ug/Kg	110	18
Fluoranthene	50	J	ug/Kg	110	15
Pyrene	58	J	ug/Kg	110	35
Benzo(a)anthracene	30	J	ug/Kg	110	8.4
Chrysene	33	J	ug/Kg	110	7.0
Benzo(b)fluoranthene	47	J	ug/Kg	110	9.4
Benzo(k)fluoranthene	14	J	ug/Kg	110	14
Benzo(a)pyrene	29	J	ug/Kg	110	16
Indeno(1,2,3-cd)pyrene	26	J	ug/Kg	110	10
Benzo(g,h,i)perylene	42	J	ug/Kg	110	13

Detection Summary

Sample ID: COMP-6
Lab ID: 531281-050
Collected: 04/17/25
Matrix: Soil
Basis: Dry
531281-050 Analyte
Result
Qual
Units
RL
MDL

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent

6

%

1

Method: EPA 6010B

Prep Method: EPA 3050B

Arsenic

7.1

mg/Kg

1.0

0.65

Barium

100

mg/Kg

1.0

0.33

Beryllium

0.41

J

mg/Kg

0.52

0.035

Cadmium

1.5

mg/Kg

0.52

0.11

Chromium

24

mg/Kg

1.0

0.29

Cobalt

10

mg/Kg

0.52

0.28

Copper

33

mg/Kg

1.0

0.74

Lead

59

mg/Kg

1.0

0.77

Molybdenum

1.7

mg/Kg

1.0

0.59

Nickel

17

mg/Kg

1.0

0.32

Vanadium

36

mg/Kg

1.0

0.16

Zinc

380

mg/Kg

5.2

2.4

Method: EPA 7471A

Prep Method: EPA 7471A

Mercury

0.063

J

mg/Kg

0.16

0.058

Method: EPA 8270C-SIM

Prep Method: EPA 3546

Naphthalene

19

J

ug/Kg

110

17

Phenanthrene

26

J

ug/Kg

110

18

Fluoranthene

25

J

ug/Kg

110

15

Benzo(a)anthracene

10

J

ug/Kg

110

8.4

Chrysene

15

J

ug/Kg

110

7.0

Benzo(b)fluoranthene

21

J

ug/Kg

110

9.4

Benzo(g,h,i)perylene

19

J

ug/Kg

110

13

Detection Summary

Sample ID: COMP-7
Lab ID: 531281-051
Collected: 04/17/25
Matrix: Soil
Basis: Dry
531281-051 Analyte
Result
Qual
Units
RL
MDL

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent

6

%

1

Method: EPA 6010B

Prep Method: EPA 3050B

Arsenic

6.0

mg/Kg

1.0

0.64

Barium

96

mg/Kg

1.0

0.32

Beryllium

0.46

J

mg/Kg

0.51

0.034

Cadmium

1.3

mg/Kg

0.51

0.11

Chromium

27

mg/Kg

1.0

0.28

Cobalt

8.5

mg/Kg

0.51

0.27

Copper

30

mg/Kg

1.0

0.73

Lead

100

mg/Kg

1.0

0.76

Molybdenum

1.5

mg/Kg

1.0

0.58

Nickel

19

mg/Kg

1.0

0.32

Vanadium

42

mg/Kg

1.0

0.16

Zinc

700

mg/Kg

5.1

2.3

Method: EPA 8081A

Prep Method: EPA 3546

4,4'-DDE

28

ug/Kg

5.4

3.4

4,4'-DDT

26

ug/Kg

5.4

2.2

Chlordane (Technical)

110

ug/Kg

54

41

Method: EPA 8270C-SIM

Prep Method: EPA 3546

Phenanthrene

23

J

ug/Kg

110

18

Fluoranthene

16

J

ug/Kg

110

16

Chrysene

11

J

ug/Kg

110

7.0

Benzo(b)fluoranthene

11

J

ug/Kg

110

9.4

Benzo(g,h,i)perylene

17

J

ug/Kg

110

13

Detection Summary

Sample ID: COMP-8
Lab ID: 531281-052
Collected: 04/17/25
Matrix: Soil
Basis: Dry
531281-052 Analyte
Result
Qual
Units
RL
MDL

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent

8

%

1

Method: EPA 6010B

Prep Method: EPA 3050B

Arsenic

6.2

mg/Kg

1.1

0.67

Barium

110

mg/Kg

1.1

0.34

Beryllium

0.51

J

mg/Kg

0.53

0.036

Cadmium

0.99

mg/Kg

0.53

0.12

Chromium

26

mg/Kg

1.1

0.30

Cobalt

8.9

mg/Kg

0.53

0.29

Copper

34

mg/Kg

1.1

0.76

Lead

49

mg/Kg

1.1

0.80

Molybdenum

1.4

mg/Kg

1.1

0.61

Nickel

19

mg/Kg

1.1

0.33

Vanadium

47

mg/Kg

1.1

0.17

Zinc

770

mg/Kg

5.3

2.4

Method: EPA 8270C-SIM

Prep Method: EPA 3546

Phenanthrene

70

J

ug/Kg

110

18

Fluoranthene

59

J

ug/Kg

110

16

Pyrene

45

J

ug/Kg

110

36

Benzo(a)anthracene

15

J

ug/Kg

110

8.6

Chrysene

26

J

ug/Kg

110

7.2

Benzo(b)fluoranthene

24

J

ug/Kg

110

9.6

Benzo(g,h,i)perylene

16

J

ug/Kg

110

14

Sample ID: COMP-9
Lab ID: 531281-053
Collected: 04/17/25
Matrix: Soil
Basis: Dry
531281-053 Analyte
Result
Qual
Units
RL
MDL

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent

12

%

1

Method: EPA 8270C-SIM

Prep Method: EPA 3546

Phenanthrene

11

J

ug/Kg

45

7.6

Fluoranthene

11

J

ug/Kg

45

6.6

Benzo(a)anthracene

6.3

J

ug/Kg

45

3.6

Chrysene

8.4

J

ug/Kg

45

3.0

Benzo(b)fluoranthene

10

J

ug/Kg

45

4.0

Indeno(1,2,3-cd)pyrene

5.3

J

ug/Kg

45

4.4

Benzo(g,h,i)perylene

6.9

J

ug/Kg

45

5.7

Detection Summary

Sample ID: COMP-10
Lab ID: 531281-054
Collected: 04/17/25
Matrix: Soil
Basis: Dry

531281-054 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	36		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	5.1		mg/Kg	1.5	1.1
Barium	350		mg/Kg	1.5	0.49
Beryllium	0.20	J	mg/Kg	0.77	0.052
Cadmium	1.4		mg/Kg	0.77	0.12
Chromium	34		mg/Kg	1.5	0.47
Cobalt	6.1		mg/Kg	0.77	0.40
Copper	120		mg/Kg	1.5	1.2
Lead	20		mg/Kg	1.5	1.1
Molybdenum	6.7		mg/Kg	1.5	0.84
Nickel	21		mg/Kg	1.5	0.53
Selenium	5.3		mg/Kg	4.6	1.9
Silver	0.33	J	mg/Kg	0.77	0.26
Vanadium	42		mg/Kg	1.5	0.25
Zinc	570		mg/Kg	7.7	3.5
Method: EPA 7471A Prep Method: EPA 7471A					
Mercury	0.20	J	mg/Kg	0.22	0.081
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	660		mg/Kg	31	11
ORO C28-C44	670		mg/Kg	61	11
Method: EPA 8081A Prep Method: EPA 3546					
delta-BHC	21		ug/Kg	8.0	3.8
Method: EPA 8270C-SIM Prep Method: EPA 3546					
2-Methylnaphthalene	30	J	ug/Kg	160	22
Naphthalene	52	J	ug/Kg	160	25
Fluorene	19	J	ug/Kg	160	13
Phenanthrene	110	J	ug/Kg	160	26
Anthracene	24	J	ug/Kg	160	16
Fluoranthene	84	J	ug/Kg	160	23
Pyrene	85	J	ug/Kg	160	51
Benzo(a)anthracene	35	J	ug/Kg	160	12
Chrysene	43	J	ug/Kg	160	10
Benzo(b)fluoranthene	52	J	ug/Kg	160	14
Benzo(a)pyrene	28	J	ug/Kg	160	24
Indeno(1,2,3-cd)pyrene	23	J	ug/Kg	160	15
Benzo(g,h,i)perylene	30	J	ug/Kg	160	20

Detection Summary

C Presence confirmed, but RPD between columns exceeds 40%
J Estimated value



Login 531281



Entraipy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Chain of Custody Record

Lab No: 531281

Page: 1 of 6

Matrix: A = Air S = Soil/Solid

W = Water DW = Drinking Water SD = Sediment

PP = Pure Product SEA = Sea Water

SW = Swab T = Tissue WP = Wipe O = Other

Standard:

5 Day:

1 Day:

2 Day:

3 Day:

Custom TAT:

Sample Receipt Temp:

9.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

7.5°C IR13

PROJECT INFORMATION

Company:	Terraphase Engineering Inc.	Name:	Marquez CES
Report To:	Clare Steedman	Number:	S030.076
Email:	clare.steedman@terrapphase.com	P.O. #:	
Address:	18401 Von Karman Ave. #410, Irvine, CA 91812	Address:	16821 Marquez Ave, Pacific Palisades, CA 90272
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	D. Chev

Analysis Request

EPA 6010B T22 Metals	
EPA 7471A - Hg	
PLM - Asbestos	
8270 SIM PAHs	
8081A - OCPs	
8082 - PCBs	
EPA Method 8290 (Dioxins and Furans)	
8260B/5035 - VOCs	
EPA 8015 carbon chain	
Moisture content	

CUSTOMER INFORMATION

Company:	Terraphase Engineering Inc.	Name:	Marquez CES
Report To:	Clare Steedman	Number:	S030.076
Email:	clare.steedman@terrapphase.com	P.O. #:	
Address:	18401 Von Karman Ave. #410, Irvine, CA 91812	Address:	16821 Marquez Ave, Pacific Palisades, CA 90272
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	D. Chev

Test Instructions / Comments

Please email report to the following:
jonathan.marshak@terrapphase.com
Additionally, send EDD report
Please note varying TAT for analyses
discussed with Patty Mata

- please see pg 5 + 6
for lab composite analyses
- 5 day turn for in house
analyses
- asbestos and P/F results
by 4/24

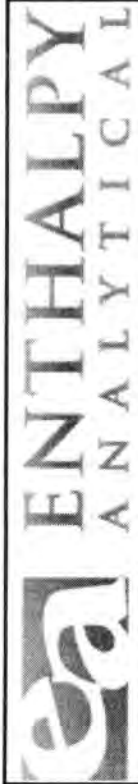
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 G1-250417	4/17/25	827	S	1-802	ice
2 G2-250417		842			
3 G3-250417		839			
4 G4-250417		837		1-802	
5 G5-250417		835		1-802 + 300A	
6 G6-250417		913		1-802	
7 G7-250417		906			
8 G8-250417		917			
9 G9-250417		919			
10 G10-250417	4/17/25	922	S	1-802	ice

Signature	Print Name	Company / Title	Date / Time
<i>Over Chev</i>	Over Chev	TEI	4/17/25 1544
<i>Tina Kelly</i>	Tina Kelly	Entraipy	4/17/25 1544
1 Relinquished By:			
1 Received By:			
2 Relinquished By:			
2 Received By:			
3 Relinquished By:			
3 Received By:			

Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Chain of Custody Record Lab No: 531281 Page: 2 of 6		Turn Around Time (rush by advanced notice only) Standard: 5 Day: 3 Day: X 2 Day: 1 Day: Custom TAT:					
		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other (lab use only)							
CUSTOMER INFORMATION Company: Terraphase Engineering Inc. Report To: Clare Steedman Email: clare.steedman@terraphase.com Address: 18401 Von Karman Ave. #410, Irvine, CA 91812 Phone: 949-377-2227 Fax:		PROJECT INFORMATION Name: Marquez CES Number: S030.076 P.O. #: 16821 Marquez Ave, Pacific Palisades, CA 90272 Address: Global ID: Sampled By: O. Cheu		Analysis Request EPA 6010B T22 Metals EPA 7471A - Hg PLM - Asbestos 8270 SIM PAHs 8081A - OCPs 8082 - PCBs EPA Method 8290 (Dioxins and Furans) 8260B/5035 - VOCs EPA 8015 carbon chain Moisture content				Test Instructions / Comments Please email report to the following: jonathan.marshak@terraphase.com Additionally, send EDD report Please note varying TAT for analyses discussed with Patty Mata	
Sample ID 1 611-250417 2 612-250417 3 613-250417 4 614-250417 5 615-250417 6 616-250417 7 617-250417 8 618-250417 9 619-250417 10 620-250417		Sampling Date 4/17/25 4/17/25		Sampling Time 957 959 1003 1006 1009 1040 1042 1045 1048 1044		Container No. / Size 1-802 1-802		Pres. ice ice	
Signature [Signature] [Signature]		Print Name Owen Chen Tish Kelly		Company / Title T&E Enthalpy		Date / Time 4/17/25 1544 4/17/25 1544			
1 Relinquished By: 1 Received By: 2 Relinquished By: 2 Received By: 3 Relinquished By: 3 Received By:									

Chain of Custody Record				Turn Around Time (rush by advanced notice only)																			
Lab No: 531281				Standard:																			
Page: 3 of 6				5 Day: 3 Day: Custom TAT: X																			
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900				Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other				Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other				Sample Receipt Temp: (lab use only)											
CUSTOMER INFORMATION Company: Terraphase Engineering Inc. Report To: Clare Steedman Email: clare.steedman@terrphase.com Address: 18401 Von Karman Ave. #410, Irvine, CA 91812 Phone: 949-377-2227 Fax:				PROJECT INFORMATION Name: Marquez CES Number: S030.076 P.O. #: 16821 Marquez Ave, Address: Pacific Palisades, CA 90272 Global ID: Sampled By: O. Chen				Analysis Request EPA 6010B T22 Metals EPA 7471A - Hg PLM - Asbestos 8270 SIM PAHs 8081A - OCPs 8082 - PCBs EPA Method 8290 (Dioxins and Furans) 8260B/5035 - VOCs EPA 8015 carbon chain Moisture content				Test Instructions / Comments Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report Please note varying TAT for analyses discussed with Patty Mata											
Sample ID 1 021-250417 2 022-250417 3 023-250417 4 024-250417 5 025-250417 6 026-250417 7 027-250417 8 028-250417 9 029-250417 10 030-250417				Sampling Date 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25				Sampling Time 1115 1117 1119 1120 1122 1240 1242 1244 1248 1249				Matrix S S S S S S S S S S				Container No. / Size 1-802 + 300A 1-802 + 300A 1-802 + 300A 1-802 + 300A 1-802 + 300A 1-802 + 300A 1-802 + 300A 1-802 + 300A 1-802 + 300A 1-802 + 300A				Pres. 100 100 100 100 100 100 100 100 100 100			
Signature [Signature] [Signature]				Print Name Owen Chen Trisley				Company / Title T&E Enthalpy				Date / Time 4/17/25 1544 4/17/25 1547											
Relinquished By: Received By: Relinquished By: Received By: Relinquished By: Received By:																							

Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Chain of Custody Record Lab No: 531281 Page: 4 of 6		Turn Around Time (rush by advanced notice only) Standard: 5 Day: 3 Day: 2 Day: 1 Day: Custom TAT:							
		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other									
CUSTOMER INFORMATION Company: Terraphase Engineering Inc. Report To: Clare Steedman Email: clare.steedman@terrphase.com Address: 18401 Von Karman Ave. #410, Irvine, CA 91812 Phone: 949-377-2227 Fax:		PROJECT INFORMATION Name: Marquez CES Number: 5030.076 P.O. #: 16821 Marquez Ave, Pacific Palisades, CA 90272 Global ID: Sampled By: O. Chen		Analysis Request EPA 6010B T22 Metals EPA 7471A - Hg PLM - Asbestos 8270 SIM PAHs 8081A - OCPs 8082 - PCBs EPA Method 8290 (Dioxins and Furans) 8260B/5035 - VOCs EPA 8015 carbon chain Moisture content				Test Instructions / Comments Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report Please note varying TAT for analyses discussed with Patty Mata			
Sample ID 1 631-250417 2 632-250417 3 633-250417 4 634-250417 5 635-250417 6 636-250417 7 637-250417 8 638-250417 9 639-250417 10 640-250417		Sampling Date 4/17/25 4/17/25 DC		Sampling Time 1254 1256 1257 1258 1300 1307 1306 1310 1311		Container No. / Size 1-802 1-802		Pres. ice ice			
Signature [Signature] [Signature]		Print Name Owen Chen Tisha Kelly		Company / Title TEI EARTHALPY		Date / Time 4/17/25 1544 4/17/25 1549					
1 Relinquished By:		1 Received By:		2 Relinquished By:		2 Received By:		3 Relinquished By:		3 Received By:	



Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Chain of Custody Record

Lab No: 531281

Page: 5 of 6

Turn Around Time (rush by advanced notice only)

Standard:

2 Day:

5 Day:

1 Day:

3 Day:

Custom TAT

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

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

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request										Test Instructions / Comments			
Company:	Terraphase Engineering Inc.	Name:	Marquez CES	Matrix		Container No. / Size	Pres.	EPA 6010B T22 Metals	EPA 7471A - Hg	PLM - Asbestos	8270 SIM PAHs	8081A - OCPs	8082 - PCBs	EPA Method 8290 (Dioxins and Furans)	8260B/5035 - VOCs	EPA 8015 carbon chain	Moisture content	Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report Please note varying TAT for analyses discussed with Patty Mata			
Report To:	Clare Steedman	Number:	5030.076																		
Email:	clare.steedman@terrphase.com	P.O. #:																			
Address:	18401 Von Karman Ave. #410,	Address:	16821 Marquez Ave,																		
	Irvine, CA 91812		Pacific Palisades, CA 90272																		
Phone:	949-377-2227	Global ID:																			
Fax:		Sampled By:	O. Chen																		
Sample ID	641-250417	Sampling Date	4/17/25	Sampling Time	1145	Matrix	5	Container No. / Size		Pres.	ice									{ comp-9	
	642-250417				1147																{ comp-10
	643-250417				1159																
	644-250417				1202			1-802-3004													
	comp-1																				
	comp-1-DUP																				
	comp-2																				
	comp-3																				
	comp-4																				
	comp-5		4/17/25				5				ice										

Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By:		Over Chen	TEL			4/17/25	1544
1 Received By:		TLS Melly	Enthalpy			4/17/25	1547
2 Relinquished By:							
2 Received By:							
3 Relinquished By:							
3 Received By:							

Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Chain of Custody Record Lab No: <u>531281</u> Page: <u>6</u> of <u>6</u>		Turn Around Time (rush by advanced notice only) Standard: 5 Day: 3 Day: Custom TAT: ☒			
		2 Day: 1 Day: Sample Receipt Temp:					
Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other (lab use only)		EPA 6010B T22 Metals EPA 7471A - Hg PLM - Asbestos 8270 SIM PAHs 8081A - OCPs 8082 - PCBs EPA Method 8290 (Dioxins and Furans) 8260B/5035 - VOCs EPA 8015 carbon chain Moisture content		Analysis Request		Test Instructions / Comments Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report Please note varying TAT for analyses discussed with Patty Mata	
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request			
Company:	Terraphase Engineering Inc.	Name:	Marquez CES				
Report To:	Clare Steedman	Number:	S030.076				
Email:	clare.steedman@terrphase.com	P.O. #:					
Address:	18401 Von Karman Ave. #410, Irvine, CA 91812	Address:	16821 Marquez Ave, Pacific Palisades, CA 90272				
Phone:	949-377-2227	Global ID:					
Fax:		Sampled By:	O. Chen				
Sample ID		Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	
1 comp-6		4/17/25	-	S	-	ie	X
2 comp-7		↓	-	↓	-	↓	X
3 comp-8		↓	-	↓	-	↓	X
4 comp-9		↓	-	↓	-	↓	X
5 comp-10		4/17/25	-	S	1802-3408 of	ie	X
6							
7							
8							
9							
10							
				Print Name		Company / Title	
		Signature		Owen Owen		TEI	
1 Relinquished By:						4/17/25 1344	
1 Received By:		Tina Kelly		Tina Kelly		4/17/25 1549	
2 Relinquished By:							
2 Received By:							
3 Relinquished By:							
3 Received By:							

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 4/17/25

WO# 531281

Client: Terraphase Engineering

Section 2: Shipping / Custody

Are custody seals present? ☐ Yes ☐ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☒ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 4/17/25 By (initials) TLK

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0

Cooler Temp (°C) #1: 9.8 / 9.8 #2: 7.3 / 7.3 #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples

☒ No microbiology samples submitted (skip 3b)

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples

☒ No air samples submitted (skip 3c)

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples

	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	x		
2) Is the sampler's name present on the CoC?	x		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	x		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	x		
5) Were all of, and only, the correct samples received?	x		
6) Are sample labels present, legible, and in agreement with the CoC?	x		
7) Does the container count match the CoC?		x	
8) Was sufficient sample volume / mass received for the analyses requested?	x		
9) Were samples received in proper containers for the analyses requested?	x		
10) Were samples received with > 1/2 holding time remaining?	x		
11) Are samples properly preserved as indicated by CoC / labels?	x		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			x
13) Are VOA vials free from headspace/bubbles > 6mm?			x

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

Received 3 5035 vials for Sample 28. COC does not indicate these for analysis

☐ No additional discrepancies

Date Logged 4/17/25

By (print) Tris Kelly

(sign) Tris Kelly

Date Labeled 4/17/25

By (print) Tris Kelly

(sign) Tris Kelly

Analysis Results for 531281

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 531281
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 04/17/25

Sample ID: G5-250417

Lab ID: 531281-005

Collected: 04/17/25 08:35

Matrix: Soil

Basis: Dry

531281-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216										
Prep Method: METHOD										
Moisture, Percent	2		%	1		1	369602	04/23/25	04/24/25	TRR
Method: EPA 8260B										
Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	7.9	1.9	1.6	369511	04/23/25	04/23/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	7.9	2.3	1.6	369511	04/23/25	04/23/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	7.9	2.6	1.6	369511	04/23/25	04/23/25	ZST
Freon 12	ND		ug/Kg	7.9	4.2	1.6	369511	04/23/25	04/23/25	ZST
Chloromethane	ND		ug/Kg	7.9	5.6	1.6	369511	04/23/25	04/23/25	ZST
Vinyl Chloride	ND		ug/Kg	7.9	5.7	1.6	369511	04/23/25	04/23/25	ZST
Bromomethane	ND		ug/Kg	7.9	3.5	1.6	369511	04/23/25	04/23/25	ZST
Chloroethane	ND		ug/Kg	7.9	6.0	1.6	369511	04/23/25	04/23/25	ZST
Trichlorofluoromethane	ND		ug/Kg	7.9	5.1	1.6	369511	04/23/25	04/23/25	ZST
Acetone	230		ug/Kg	160	72	1.6	369511	04/23/25	04/23/25	ZST
Freon 113	ND		ug/Kg	7.9	2.0	1.6	369511	04/23/25	04/23/25	ZST
1,1-Dichloroethene	ND		ug/Kg	7.9	2.2	1.6	369511	04/23/25	04/23/25	ZST
Methylene Chloride	ND		ug/Kg	7.9	7.6	1.6	369511	04/23/25	04/23/25	ZST
MTBE	ND		ug/Kg	7.9	1.8	1.6	369511	04/23/25	04/23/25	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	7.9	2.6	1.6	369511	04/23/25	04/23/25	ZST
1,1-Dichloroethane	ND		ug/Kg	7.9	2.1	1.6	369511	04/23/25	04/23/25	ZST
2-Butanone	51	J	ug/Kg	160	12	1.6	369511	04/23/25	04/23/25	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	7.9	1.9	1.6	369511	04/23/25	04/23/25	ZST
2,2-Dichloropropane	ND		ug/Kg	7.9	1.3	1.6	369511	04/23/25	04/23/25	ZST
Chloroform	ND		ug/Kg	7.9	1.1	1.6	369511	04/23/25	04/23/25	ZST
Bromochloromethane	ND		ug/Kg	7.9	1.1	1.6	369511	04/23/25	04/23/25	ZST
1,1,1-Trichloroethane	ND		ug/Kg	7.9	1.2	1.6	369511	04/23/25	04/23/25	ZST
1,1-Dichloropropene	ND		ug/Kg	7.9	1.5	1.6	369511	04/23/25	04/23/25	ZST
Carbon Tetrachloride	ND		ug/Kg	7.9	1.3	1.6	369511	04/23/25	04/23/25	ZST
1,2-Dichloroethane	ND		ug/Kg	7.9	1.1	1.6	369511	04/23/25	04/23/25	ZST
Benzene	7.8	J	ug/Kg	7.9	1.5	1.6	369511	04/23/25	04/23/25	ZST
Trichloroethene	ND		ug/Kg	7.9	1.4	1.6	369511	04/23/25	04/23/25	ZST
1,2-Dichloropropane	ND		ug/Kg	7.9	1.9	1.6	369511	04/23/25	04/23/25	ZST
Bromodichloromethane	ND		ug/Kg	7.9	2.0	1.6	369511	04/23/25	04/23/25	ZST
Dibromomethane	ND		ug/Kg	7.9	1.7	1.6	369511	04/23/25	04/23/25	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	7.9	2.0	1.6	369511	04/23/25	04/23/25	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	7.9	2.9	1.6	369511	04/23/25	04/23/25	ZST
Toluene	7.9	J	ug/Kg	7.9	1.5	1.6	369511	04/23/25	04/23/25	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	7.9	1.6	1.6	369511	04/23/25	04/23/25	ZST
1,1,2-Trichloroethane	ND		ug/Kg	7.9	0.8	1.6	369511	04/23/25	04/23/25	ZST
1,3-Dichloropropane	ND		ug/Kg	7.9	0.8	1.6	369511	04/23/25	04/23/25	ZST
Tetrachloroethene	ND		ug/Kg	7.9	2.0	1.6	369511	04/23/25	04/23/25	ZST
Dibromochloromethane	ND		ug/Kg	7.9	1.7	1.6	369511	04/23/25	04/23/25	ZST

Analysis Results for 531281

531281-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dibromoethane	ND		ug/Kg	7.9	1.0	1.6	369511	04/23/25	04/23/25	ZST
Chlorobenzene	ND		ug/Kg	7.9	1.8	1.6	369511	04/23/25	04/23/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	7.9	1.6	1.6	369511	04/23/25	04/23/25	ZST
Ethylbenzene	ND		ug/Kg	7.9	1.6	1.6	369511	04/23/25	04/23/25	ZST
m,p-Xylenes	3.7	J	ug/Kg	16	3.2	1.6	369511	04/23/25	04/23/25	ZST
o-Xylene	1.9	J	ug/Kg	7.9	1.0	1.6	369511	04/23/25	04/23/25	ZST
Styrene	ND		ug/Kg	7.9	1.2	1.6	369511	04/23/25	04/23/25	ZST
Bromoform	ND		ug/Kg	7.9	1.4	1.6	369511	04/23/25	04/23/25	ZST
Isopropylbenzene	ND		ug/Kg	7.9	1.5	1.6	369511	04/23/25	04/23/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	7.9	0.9	1.6	369511	04/23/25	04/23/25	ZST
1,2,3-Trichloropropane	ND		ug/Kg	7.9	1.6	1.6	369511	04/23/25	04/23/25	ZST
Propylbenzene	ND		ug/Kg	7.9	1.6	1.6	369511	04/23/25	04/23/25	ZST
Bromobenzene	ND		ug/Kg	7.9	1.6	1.6	369511	04/23/25	04/23/25	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	7.9	1.5	1.6	369511	04/23/25	04/23/25	ZST
2-Chlorotoluene	ND		ug/Kg	7.9	1.5	1.6	369511	04/23/25	04/23/25	ZST
4-Chlorotoluene	ND		ug/Kg	7.9	1.3	1.6	369511	04/23/25	04/23/25	ZST
tert-Butylbenzene	ND		ug/Kg	7.9	1.4	1.6	369511	04/23/25	04/23/25	ZST
1,2,4-Trimethylbenzene	1.4	J	ug/Kg	7.9	1.3	1.6	369511	04/23/25	04/23/25	ZST
sec-Butylbenzene	ND		ug/Kg	7.9	1.7	1.6	369511	04/23/25	04/23/25	ZST
para-Isopropyl Toluene	ND		ug/Kg	7.9	1.4	1.6	369511	04/23/25	04/23/25	ZST
1,3-Dichlorobenzene	ND		ug/Kg	7.9	1.2	1.6	369511	04/23/25	04/23/25	ZST
1,4-Dichlorobenzene	ND		ug/Kg	7.9	1.3	1.6	369511	04/23/25	04/23/25	ZST
n-Butylbenzene	ND		ug/Kg	7.9	1.5	1.6	369511	04/23/25	04/23/25	ZST
1,2-Dichlorobenzene	ND		ug/Kg	7.9	1.2	1.6	369511	04/23/25	04/23/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	7.9	2.9	1.6	369511	04/23/25	04/23/25	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	7.9	2.0	1.6	369511	04/23/25	04/23/25	ZST
Hexachlorobutadiene	ND		ug/Kg	7.9	1.6	1.6	369511	04/23/25	04/23/25	ZST
Naphthalene	1.9	J	ug/Kg	7.9	1.8	1.6	369511	04/23/25	04/23/25	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	7.9	1.7	1.6	369511	04/23/25	04/23/25	ZST
Xylene (total)	5.6	J	ug/Kg	7.9		1.6	369511	04/23/25	04/23/25	ZST
Surrogates	Limits									
Dibromofluoromethane	97%		%REC	70-145		1.6	369511	04/23/25	04/23/25	ZST
1,2-Dichloroethane-d4	120%		%REC	70-145		1.6	369511	04/23/25	04/23/25	ZST
Toluene-d8	105%		%REC	70-145		1.6	369511	04/23/25	04/23/25	ZST
Bromofluorobenzene	106%		%REC	70-145		1.6	369511	04/23/25	04/23/25	ZST

Analysis Results for 531281

Sample ID: G21-250417
Lab ID: 531281-021
Collected: 04/17/25 11:15
Matrix: Soil
Basis: Dry

531281-021 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216										
Prep Method: METHOD										
Moisture, Percent	2		%	1		1	369602	04/23/25	04/24/25	TRR
Method: EPA 8260B										
Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	6.6	1.5	1.3	369511	04/23/25	04/23/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	6.6	1.9	1.3	369511	04/23/25	04/23/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	6.6	2.2	1.3	369511	04/23/25	04/23/25	ZST
Freon 12	ND		ug/Kg	6.6	3.5	1.3	369511	04/23/25	04/23/25	ZST
Chloromethane	ND		ug/Kg	6.6	4.7	1.3	369511	04/23/25	04/23/25	ZST
Vinyl Chloride	ND		ug/Kg	6.6	4.7	1.3	369511	04/23/25	04/23/25	ZST
Bromomethane	ND		ug/Kg	6.6	2.9	1.3	369511	04/23/25	04/23/25	ZST
Chloroethane	ND		ug/Kg	6.6	5.0	1.3	369511	04/23/25	04/23/25	ZST
Trichlorofluoromethane	ND		ug/Kg	6.6	4.2	1.3	369511	04/23/25	04/23/25	ZST
Acetone	150		ug/Kg	130	60	1.3	369511	04/23/25	04/23/25	ZST
Freon 113	ND		ug/Kg	6.6	1.7	1.3	369511	04/23/25	04/23/25	ZST
1,1-Dichloroethene	ND		ug/Kg	6.6	1.9	1.3	369511	04/23/25	04/23/25	ZST
Methylene Chloride	ND		ug/Kg	6.6	6.3	1.3	369511	04/23/25	04/23/25	ZST
MTBE	ND		ug/Kg	6.6	1.5	1.3	369511	04/23/25	04/23/25	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	6.6	2.2	1.3	369511	04/23/25	04/23/25	ZST
1,1-Dichloroethane	ND		ug/Kg	6.6	1.8	1.3	369511	04/23/25	04/23/25	ZST
2-Butanone	18	J	ug/Kg	130	9.7	1.3	369511	04/23/25	04/23/25	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	6.6	1.6	1.3	369511	04/23/25	04/23/25	ZST
2,2-Dichloropropane	ND		ug/Kg	6.6	1.1	1.3	369511	04/23/25	04/23/25	ZST
Chloroform	ND		ug/Kg	6.6	0.9	1.3	369511	04/23/25	04/23/25	ZST
Bromochloromethane	ND		ug/Kg	6.6	0.9	1.3	369511	04/23/25	04/23/25	ZST
1,1,1-Trichloroethane	ND		ug/Kg	6.6	1.0	1.3	369511	04/23/25	04/23/25	ZST
1,1-Dichloropropene	ND		ug/Kg	6.6	1.3	1.3	369511	04/23/25	04/23/25	ZST
Carbon Tetrachloride	ND		ug/Kg	6.6	1.1	1.3	369511	04/23/25	04/23/25	ZST
1,2-Dichloroethane	ND		ug/Kg	6.6	0.9	1.3	369511	04/23/25	04/23/25	ZST
Benzene	ND		ug/Kg	6.6	1.3	1.3	369511	04/23/25	04/23/25	ZST
Trichloroethene	ND		ug/Kg	6.6	1.1	1.3	369511	04/23/25	04/23/25	ZST
1,2-Dichloropropane	ND		ug/Kg	6.6	1.5	1.3	369511	04/23/25	04/23/25	ZST
Bromodichloromethane	ND		ug/Kg	6.6	1.6	1.3	369511	04/23/25	04/23/25	ZST
Dibromomethane	ND		ug/Kg	6.6	1.4	1.3	369511	04/23/25	04/23/25	ZST
4-Methyl-2-Pentanone	2.1	J	ug/Kg	6.6	1.6	1.3	369511	04/23/25	04/23/25	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	6.6	2.4	1.3	369511	04/23/25	04/23/25	ZST
Toluene	ND		ug/Kg	6.6	1.2	1.3	369511	04/23/25	04/23/25	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	6.6	1.3	1.3	369511	04/23/25	04/23/25	ZST
1,1,2-Trichloroethane	ND		ug/Kg	6.6	0.7	1.3	369511	04/23/25	04/23/25	ZST
1,3-Dichloropropane	ND		ug/Kg	6.6	0.6	1.3	369511	04/23/25	04/23/25	ZST
Tetrachloroethene	ND		ug/Kg	6.6	1.7	1.3	369511	04/23/25	04/23/25	ZST
Dibromochloromethane	ND		ug/Kg	6.6	1.4	1.3	369511	04/23/25	04/23/25	ZST
1,2-Dibromoethane	ND		ug/Kg	6.6	0.8	1.3	369511	04/23/25	04/23/25	ZST
Chlorobenzene	ND		ug/Kg	6.6	1.5	1.3	369511	04/23/25	04/23/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	6.6	1.4	1.3	369511	04/23/25	04/23/25	ZST
Ethylbenzene	ND		ug/Kg	6.6	1.3	1.3	369511	04/23/25	04/23/25	ZST

Analysis Results for 531281

531281-021 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/Kg	13	2.6	1.3	369511	04/23/25	04/23/25	ZST
o-Xylene	ND		ug/Kg	6.6	0.8	1.3	369511	04/23/25	04/23/25	ZST
Styrene	ND		ug/Kg	6.6	1.0	1.3	369511	04/23/25	04/23/25	ZST
Bromoform	ND		ug/Kg	6.6	1.1	1.3	369511	04/23/25	04/23/25	ZST
Isopropylbenzene	ND		ug/Kg	6.6	1.3	1.3	369511	04/23/25	04/23/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	6.6	0.7	1.3	369511	04/23/25	04/23/25	ZST
1,2,3-Trichloropropane	ND		ug/Kg	6.6	1.3	1.3	369511	04/23/25	04/23/25	ZST
Propylbenzene	ND		ug/Kg	6.6	1.3	1.3	369511	04/23/25	04/23/25	ZST
Bromobenzene	ND		ug/Kg	6.6	1.3	1.3	369511	04/23/25	04/23/25	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	6.6	1.3	1.3	369511	04/23/25	04/23/25	ZST
2-Chlorotoluene	ND		ug/Kg	6.6	1.2	1.3	369511	04/23/25	04/23/25	ZST
4-Chlorotoluene	ND		ug/Kg	6.6	1.1	1.3	369511	04/23/25	04/23/25	ZST
tert-Butylbenzene	ND		ug/Kg	6.6	1.2	1.3	369511	04/23/25	04/23/25	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	6.6	1.1	1.3	369511	04/23/25	04/23/25	ZST
sec-Butylbenzene	ND		ug/Kg	6.6	1.4	1.3	369511	04/23/25	04/23/25	ZST
para-Isopropyl Toluene	ND		ug/Kg	6.6	1.2	1.3	369511	04/23/25	04/23/25	ZST
1,3-Dichlorobenzene	ND		ug/Kg	6.6	1.0	1.3	369511	04/23/25	04/23/25	ZST
1,4-Dichlorobenzene	ND		ug/Kg	6.6	1.0	1.3	369511	04/23/25	04/23/25	ZST
n-Butylbenzene	ND		ug/Kg	6.6	1.3	1.3	369511	04/23/25	04/23/25	ZST
1,2-Dichlorobenzene	ND		ug/Kg	6.6	1.0	1.3	369511	04/23/25	04/23/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	6.6	2.4	1.3	369511	04/23/25	04/23/25	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	6.6	1.7	1.3	369511	04/23/25	04/23/25	ZST
Hexachlorobutadiene	ND		ug/Kg	6.6	1.3	1.3	369511	04/23/25	04/23/25	ZST
Naphthalene	ND		ug/Kg	6.6	1.5	1.3	369511	04/23/25	04/23/25	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	6.6	1.4	1.3	369511	04/23/25	04/23/25	ZST
Xylene (total)	ND		ug/Kg	6.6		1.3	369511	04/23/25	04/23/25	ZST
Surrogates	Limits									
Dibromofluoromethane	98%		%REC	70-145		1.3	369511	04/23/25	04/23/25	ZST
1,2-Dichloroethane-d4	125%		%REC	70-145		1.3	369511	04/23/25	04/23/25	ZST
Toluene-d8	99%		%REC	70-145		1.3	369511	04/23/25	04/23/25	ZST
Bromofluorobenzene	103%		%REC	70-145		1.3	369511	04/23/25	04/23/25	ZST

Analysis Results for 531281

Sample ID: G44-250417
Lab ID: 531281-043
Collected: 04/17/25 12:02
Matrix: Soil
Basis: Dry

531281-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216										
Prep Method: METHOD										
Moisture, Percent	42		%	1		1	369602	04/23/25	04/24/25	TRR
Method: EPA 8260B										
Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	30	7.0	3.4	369511	04/23/25	04/23/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	30	8.5	3.4	369511	04/23/25	04/23/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	30	9.8	3.4	369511	04/23/25	04/23/25	ZST
Freon 12	ND		ug/Kg	30	16	3.4	369511	04/23/25	04/23/25	ZST
Chloromethane	ND		ug/Kg	30	21	3.4	369511	04/23/25	04/23/25	ZST
Vinyl Chloride	ND		ug/Kg	30	21	3.4	369511	04/23/25	04/23/25	ZST
Bromomethane	ND		ug/Kg	30	13	3.4	369511	04/23/25	04/23/25	ZST
Chloroethane	ND		ug/Kg	30	23	3.4	369511	04/23/25	04/23/25	ZST
Trichlorofluoromethane	ND		ug/Kg	30	19	3.4	369511	04/23/25	04/23/25	ZST
Acetone	1,400		ug/Kg	590	270	3.4	369511	04/23/25	04/23/25	ZST
Freon 113	ND		ug/Kg	30	7.7	3.4	369511	04/23/25	04/23/25	ZST
1,1-Dichloroethene	ND		ug/Kg	30	8.4	3.4	369511	04/23/25	04/23/25	ZST
Methylene Chloride	ND		ug/Kg	30	29	3.4	369511	04/23/25	04/23/25	ZST
MTBE	ND		ug/Kg	30	6.6	3.4	369511	04/23/25	04/23/25	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	30	9.9	3.4	369511	04/23/25	04/23/25	ZST
1,1-Dichloroethane	ND		ug/Kg	30	8.0	3.4	369511	04/23/25	04/23/25	ZST
2-Butanone	92	J	ug/Kg	590	44	3.4	369511	04/23/25	04/23/25	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	30	7.1	3.4	369511	04/23/25	04/23/25	ZST
2,2-Dichloropropane	ND		ug/Kg	30	5.0	3.4	369511	04/23/25	04/23/25	ZST
Chloroform	ND		ug/Kg	30	4.1	3.4	369511	04/23/25	04/23/25	ZST
Bromochloromethane	ND		ug/Kg	30	4.1	3.4	369511	04/23/25	04/23/25	ZST
1,1,1-Trichloroethane	ND		ug/Kg	30	4.6	3.4	369511	04/23/25	04/23/25	ZST
1,1-Dichloropropene	ND		ug/Kg	30	5.8	3.4	369511	04/23/25	04/23/25	ZST
Carbon Tetrachloride	ND		ug/Kg	30	4.9	3.4	369511	04/23/25	04/23/25	ZST
1,2-Dichloroethane	ND		ug/Kg	30	4.2	3.4	369511	04/23/25	04/23/25	ZST
Benzene	7.2	J	ug/Kg	30	5.7	3.4	369511	04/23/25	04/23/25	ZST
Trichloroethene	ND		ug/Kg	30	5.1	3.4	369511	04/23/25	04/23/25	ZST
1,2-Dichloropropane	ND		ug/Kg	30	7.0	3.4	369511	04/23/25	04/23/25	ZST
Bromodichloromethane	ND		ug/Kg	30	7.3	3.4	369511	04/23/25	04/23/25	ZST
Dibromomethane	ND		ug/Kg	30	6.5	3.4	369511	04/23/25	04/23/25	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	30	7.3	3.4	369511	04/23/25	04/23/25	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	30	11	3.4	369511	04/23/25	04/23/25	ZST
Toluene	20	J	ug/Kg	30	5.5	3.4	369511	04/23/25	04/23/25	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	30	6.0	3.4	369511	04/23/25	04/23/25	ZST
1,1,2-Trichloroethane	ND		ug/Kg	30	3.0	3.4	369511	04/23/25	04/23/25	ZST
1,3-Dichloropropane	ND		ug/Kg	30	2.8	3.4	369511	04/23/25	04/23/25	ZST
Tetrachloroethene	ND		ug/Kg	30	7.5	3.4	369511	04/23/25	04/23/25	ZST
Dibromochloromethane	ND		ug/Kg	30	6.5	3.4	369511	04/23/25	04/23/25	ZST
1,2-Dibromoethane	ND		ug/Kg	30	3.7	3.4	369511	04/23/25	04/23/25	ZST
Chlorobenzene	ND		ug/Kg	30	6.6	3.4	369511	04/23/25	04/23/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	30	6.1	3.4	369511	04/23/25	04/23/25	ZST
Ethylbenzene	ND		ug/Kg	30	5.9	3.4	369511	04/23/25	04/23/25	ZST

Analysis Results for 531281

531281-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/Kg	59	12	3.4	369511	04/23/25	04/23/25	ZST
o-Xylene	ND		ug/Kg	30	3.7	3.4	369511	04/23/25	04/23/25	ZST
Styrene	ND		ug/Kg	30	4.4	3.4	369511	04/23/25	04/23/25	ZST
Bromoform	ND		ug/Kg	30	5.1	3.4	369511	04/23/25	04/23/25	ZST
Isopropylbenzene	ND		ug/Kg	30	5.8	3.4	369511	04/23/25	04/23/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	30	3.2	3.4	369511	04/23/25	04/23/25	ZST
1,2,3-Trichloropropane	ND		ug/Kg	30	5.9	3.4	369511	04/23/25	04/23/25	ZST
Propylbenzene	ND		ug/Kg	30	6.1	3.4	369511	04/23/25	04/23/25	ZST
Bromobenzene	ND		ug/Kg	30	5.9	3.4	369511	04/23/25	04/23/25	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	30	5.8	3.4	369511	04/23/25	04/23/25	ZST
2-Chlorotoluene	ND		ug/Kg	30	5.6	3.4	369511	04/23/25	04/23/25	ZST
4-Chlorotoluene	ND		ug/Kg	30	4.9	3.4	369511	04/23/25	04/23/25	ZST
tert-Butylbenzene	ND		ug/Kg	30	5.3	3.4	369511	04/23/25	04/23/25	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	30	4.9	3.4	369511	04/23/25	04/23/25	ZST
sec-Butylbenzene	ND		ug/Kg	30	6.3	3.4	369511	04/23/25	04/23/25	ZST
para-Isopropyl Toluene	6.2	J	ug/Kg	30	5.2	3.4	369511	04/23/25	04/23/25	ZST
1,3-Dichlorobenzene	ND		ug/Kg	30	4.4	3.4	369511	04/23/25	04/23/25	ZST
1,4-Dichlorobenzene	ND		ug/Kg	30	4.7	3.4	369511	04/23/25	04/23/25	ZST
n-Butylbenzene	ND		ug/Kg	30	5.8	3.4	369511	04/23/25	04/23/25	ZST
1,2-Dichlorobenzene	ND		ug/Kg	30	4.5	3.4	369511	04/23/25	04/23/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	30	11	3.4	369511	04/23/25	04/23/25	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	30	7.6	3.4	369511	04/23/25	04/23/25	ZST
Hexachlorobutadiene	ND		ug/Kg	30	5.8	3.4	369511	04/23/25	04/23/25	ZST
Naphthalene	ND		ug/Kg	30	6.8	3.4	369511	04/23/25	04/23/25	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	30	6.4	3.4	369511	04/23/25	04/23/25	ZST
Xylene (total)	ND		ug/Kg	30		3.4	369511	04/23/25	04/23/25	ZST
Surrogates	Limits									
Dibromofluoromethane	98%		%REC	70-145		3.4	369511	04/23/25	04/23/25	ZST
1,2-Dichloroethane-d4	130%		%REC	70-145		3.4	369511	04/23/25	04/23/25	ZST
Toluene-d8	104%		%REC	70-145		3.4	369511	04/23/25	04/23/25	ZST
Bromofluorobenzene	107%		%REC	70-145		3.4	369511	04/23/25	04/23/25	ZST

Analysis Results for 531281

Sample ID: COMP-1
Lab ID: 531281-044
Collected: 04/17/25
Matrix: Soil
Basis: Dry

531281-044 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	6		%	1		1	369549	04/23/25	04/24/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.6	0.96	369238	04/19/25	04/20/25	KCD
Arsenic	6.0		mg/Kg	1.0	0.64	0.96	369238	04/19/25	04/20/25	KCD
Barium	110		mg/Kg	1.0	0.32	0.96	369238	04/19/25	04/20/25	KCD
Beryllium	0.62		mg/Kg	0.51	0.034	0.96	369238	04/19/25	04/20/25	KCD
Cadmium	1.9		mg/Kg	0.51	0.11	0.96	369238	04/19/25	04/20/25	KCD
Chromium	23		mg/Kg	1.0	0.29	0.96	369238	04/19/25	04/20/25	KCD
Cobalt	9.0		mg/Kg	0.51	0.27	0.96	369238	04/19/25	04/20/25	KCD
Copper	37		mg/Kg	1.0	0.73	0.96	369238	04/19/25	04/20/25	KCD
Lead	9.4		mg/Kg	1.0	0.77	0.96	369238	04/19/25	04/20/25	KCD
Molybdenum	2.5		mg/Kg	1.0	0.58	0.96	369238	04/19/25	04/20/25	KCD
Nickel	23		mg/Kg	1.0	0.32	0.96	369238	04/19/25	04/20/25	KCD
Selenium	ND		mg/Kg	3.1	1.3	0.96	369238	04/19/25	04/20/25	KCD
Silver	ND		mg/Kg	0.51	0.17	0.96	369238	04/19/25	04/20/25	KCD
Thallium	ND		mg/Kg	3.1	1.1	0.96	369238	04/19/25	04/20/25	KCD
Vanadium	47		mg/Kg	1.0	0.16	0.96	369238	04/19/25	04/20/25	KCD
Zinc	230		mg/Kg	5.1	2.3	0.96	369238	04/19/25	04/20/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.18	0.065	1.2	369294	04/21/25	04/21/25	KCD
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	11	3.7	0.99	369253	04/20/25	04/23/25	KMB
DRO C10-C28	38		mg/Kg	11	3.7	0.99	369253	04/20/25	04/23/25	KMB
ORO C28-C44	36		mg/Kg	21	3.7	0.99	369253	04/20/25	04/23/25	KMB
Surrogates	Limits									
n-Triacontane	85%		%REC	70-130		0.99	369253	04/20/25	04/23/25	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	2.1	0.98	369304	04/21/25	04/22/25	XLY
beta-BHC	ND		ug/Kg	5.2	2.0	0.98	369304	04/21/25	04/22/25	XLY
gamma-BHC	ND		ug/Kg	5.2	1.8	0.98	369304	04/21/25	04/22/25	XLY
delta-BHC	ND		ug/Kg	5.2	2.5	0.98	369304	04/21/25	04/22/25	XLY
Heptachlor	ND		ug/Kg	5.2	2.0	0.98	369304	04/21/25	04/22/25	XLY
Aldrin	ND		ug/Kg	5.2	2.4	0.98	369304	04/21/25	04/22/25	XLY
Heptachlor epoxide	ND		ug/Kg	5.2	2.2	0.98	369304	04/21/25	04/22/25	XLY
Endosulfan I	ND		ug/Kg	5.2	2.3	0.98	369304	04/21/25	04/22/25	XLY
Dieldrin	ND		ug/Kg	5.2	3.2	0.98	369304	04/21/25	04/22/25	XLY
4,4'-DDE	ND		ug/Kg	5.2	3.3	0.98	369304	04/21/25	04/22/25	XLY
Endrin	ND		ug/Kg	5.2	2.1	0.98	369304	04/21/25	04/22/25	XLY
Endosulfan II	ND		ug/Kg	5.2	2.1	0.98	369304	04/21/25	04/22/25	XLY
Endosulfan sulfate	ND		ug/Kg	5.2	3.3	0.98	369304	04/21/25	04/22/25	XLY
4,4'-DDD	ND		ug/Kg	5.2	1.6	0.98	369304	04/21/25	04/22/25	XLY

Analysis Results for 531281

531281-044 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.2	3.7	0.98	369304	04/21/25	04/22/25	XLY
Endrin ketone	ND		ug/Kg	5.2	2.2	0.98	369304	04/21/25	04/22/25	XLY
4,4'-DDT	ND		ug/Kg	5.2	2.1	0.98	369304	04/21/25	04/22/25	XLY
Methoxychlor	ND		ug/Kg	10	4.0	0.98	369304	04/21/25	04/22/25	XLY
Toxaphene	ND		ug/Kg	100	91	0.98	369304	04/21/25	04/22/25	XLY
Chlordane (Technical)	ND		ug/Kg	52	40	0.98	369304	04/21/25	04/22/25	XLY
Surrogates			Limits							
TCMX	75%		%REC	23-120		0.98	369304	04/21/25	04/22/25	XLY
Decachlorobiphenyl	63%		%REC	24-120		0.98	369304	04/21/25	04/22/25	XLY

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND		ug/Kg	52	25	0.98	369304	04/21/25	04/22/25	XLY
Aroclor-1221	ND		ug/Kg	52	25	0.98	369304	04/21/25	04/22/25	XLY
Aroclor-1232	ND		ug/Kg	52	21	0.98	369304	04/21/25	04/22/25	XLY
Aroclor-1242	ND		ug/Kg	52	27	0.98	369304	04/21/25	04/22/25	XLY
Aroclor-1248	ND		ug/Kg	52	36	0.98	369304	04/21/25	04/22/25	XLY
Aroclor-1254	ND		ug/Kg	52	39	0.98	369304	04/21/25	04/22/25	XLY
Aroclor-1260	ND		ug/Kg	52	28	0.98	369304	04/21/25	04/22/25	XLY
Aroclor-1262	ND		ug/Kg	52	26	0.98	369304	04/21/25	04/22/25	XLY
Aroclor-1268	ND		ug/Kg	52	32	0.98	369304	04/21/25	04/22/25	XLY
Total PCBs	ND		ug/Kg	52		0.98	369304	04/21/25	04/22/25	XLY
Surrogates			Limits							
Decachlorobiphenyl (PCB)	68%		%REC	19-121		0.98	369304	04/21/25	04/22/25	XLY

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	53		ug/Kg	11	1.2	1	369264	04/21/25	04/22/25	ZFA
2-Methylnaphthalene	87		ug/Kg	11	1.5	1	369264	04/21/25	04/22/25	ZFA
Naphthalene	130		ug/Kg	11	1.7	1	369264	04/21/25	04/22/25	ZFA
Acenaphthylene	14		ug/Kg	11	1.2	1	369264	04/21/25	04/22/25	ZFA
Acenaphthene	4.4	J	ug/Kg	11	0.81	1	369264	04/21/25	04/22/25	ZFA
Fluorene	33		ug/Kg	11	0.91	1	369264	04/21/25	04/22/25	ZFA
Phenanthrene	150		ug/Kg	11	1.8	1	369264	04/21/25	04/22/25	ZFA
Anthracene	21		ug/Kg	11	1.1	1	369264	04/21/25	04/22/25	ZFA
Fluoranthene	40		ug/Kg	11	1.6	1	369264	04/21/25	04/22/25	ZFA
Pyrene	26		ug/Kg	11	3.5	1	369264	04/21/25	04/22/25	ZFA
Benzo(a)anthracene	5.7	J	ug/Kg	11	0.84	1	369264	04/21/25	04/22/25	ZFA
Chrysene	8.8	J	ug/Kg	11	0.70	1	369264	04/21/25	04/22/25	ZFA
Benzo(b)fluoranthene	5.2	J	ug/Kg	11	0.94	1	369264	04/21/25	04/22/25	ZFA
Benzo(k)fluoranthene	ND		ug/Kg	11	1.4	1	369264	04/21/25	04/22/25	ZFA
Benzo(a)pyrene	2.6	J	ug/Kg	11	1.6	1	369264	04/21/25	04/22/25	ZFA
Indeno(1,2,3-cd)pyrene	2.0	J	ug/Kg	11	1.0	1	369264	04/21/25	04/22/25	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	11	1.1	1	369264	04/21/25	04/22/25	ZFA
Benzo(g,h,i)perylene	3.0	J	ug/Kg	11	1.3	1	369264	04/21/25	04/22/25	ZFA
Surrogates			Limits							
Nitrobenzene-d5	58%		%REC	27-125		1	369264	04/21/25	04/22/25	ZFA
2-Fluorobiphenyl	82%		%REC	30-120		1	369264	04/21/25	04/22/25	ZFA
Terphenyl-d14	82%		%REC	33-155		1	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

Sample ID: COMP-1-DUP
Lab ID: 531281-045
Collected: 04/17/25
Matrix: Soil
Basis: Dry

531281-045 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	5		%	1		1	369549	04/23/25	04/24/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.5	0.95	369246	04/19/25	04/21/25	SBW
Arsenic	4.7		mg/Kg	1.0	0.63	0.95	369246	04/19/25	04/21/25	SBW
Barium	87		mg/Kg	1.0	0.32	0.95	369246	04/19/25	04/21/25	SBW
Beryllium	0.49	J	mg/Kg	0.50	0.034	0.95	369246	04/19/25	04/21/25	SBW
Cadmium	1.2		mg/Kg	0.50	0.11	0.95	369246	04/19/25	04/21/25	SBW
Chromium	20		mg/Kg	1.0	0.28	0.95	369246	04/19/25	04/21/25	SBW
Cobalt	6.6		mg/Kg	0.50	0.27	0.95	369246	04/19/25	04/21/25	SBW
Copper	18		mg/Kg	1.0	0.72	0.95	369246	04/19/25	04/21/25	SBW
Lead	6.4		mg/Kg	1.0	0.75	0.95	369246	04/19/25	04/21/25	SBW
Molybdenum	2.0		mg/Kg	1.0	0.57	0.95	369246	04/19/25	04/21/25	SBW
Nickel	15		mg/Kg	1.0	0.31	0.95	369246	04/19/25	04/21/25	SBW
Selenium	ND		mg/Kg	3.0	1.3	0.95	369246	04/19/25	04/21/25	SBW
Silver	ND		mg/Kg	0.50	0.17	0.95	369246	04/19/25	04/21/25	SBW
Thallium	ND		mg/Kg	3.0	1.1	0.95	369246	04/19/25	04/21/25	SBW
Vanadium	40		mg/Kg	1.0	0.16	0.95	369246	04/19/25	04/21/25	SBW
Zinc	230		mg/Kg	5.0	2.3	0.95	369246	04/19/25	04/21/25	SBW
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.17	0.063	1.2	369294	04/21/25	04/21/25	KCD
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10	3.8	0.99	369253	04/20/25	04/23/25	DIB
DRO C10-C28	72		mg/Kg	10	3.8	0.99	369253	04/20/25	04/23/25	DIB
ORO C28-C44	160		mg/Kg	21	3.8	0.99	369253	04/20/25	04/23/25	DIB
Surrogates	Limits									
n-Triacontane	97%		%REC	70-130		0.99	369253	04/20/25	04/23/25	DIB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.3	2.1	1	369304	04/21/25	04/22/25	XLY
beta-BHC	ND		ug/Kg	5.3	2.1	1	369304	04/21/25	04/22/25	XLY
gamma-BHC	ND		ug/Kg	5.3	1.8	1	369304	04/21/25	04/22/25	XLY
delta-BHC	ND		ug/Kg	5.3	2.5	1	369304	04/21/25	04/22/25	XLY
Heptachlor	ND		ug/Kg	5.3	2.1	1	369304	04/21/25	04/22/25	XLY
Aldrin	ND		ug/Kg	5.3	2.4	1	369304	04/21/25	04/22/25	XLY
Heptachlor epoxide	ND		ug/Kg	5.3	2.2	1	369304	04/21/25	04/22/25	XLY
Endosulfan I	ND		ug/Kg	5.3	2.4	1	369304	04/21/25	04/22/25	XLY
Dieldrin	ND		ug/Kg	5.3	3.2	1	369304	04/21/25	04/22/25	XLY
4,4'-DDE	ND		ug/Kg	5.3	3.4	1	369304	04/21/25	04/22/25	XLY
Endrin	ND		ug/Kg	5.3	2.1	1	369304	04/21/25	04/22/25	XLY
Endosulfan II	ND		ug/Kg	5.3	2.1	1	369304	04/21/25	04/22/25	XLY
Endosulfan sulfate	ND		ug/Kg	5.3	3.4	1	369304	04/21/25	04/22/25	XLY
4,4'-DDD	ND		ug/Kg	5.3	1.7	1	369304	04/21/25	04/22/25	XLY

Analysis Results for 531281

531281-045 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.3	3.8	1	369304	04/21/25	04/22/25	XLY
Endrin ketone	ND		ug/Kg	5.3	2.2	1	369304	04/21/25	04/22/25	XLY
4,4'-DDT	ND		ug/Kg	5.3	2.2	1	369304	04/21/25	04/22/25	XLY
Methoxychlor	ND		ug/Kg	11	4.0	1	369304	04/21/25	04/22/25	XLY
Toxaphene	ND		ug/Kg	110	93	1	369304	04/21/25	04/22/25	XLY
Chlordane (Technical)	ND		ug/Kg	53	41	1	369304	04/21/25	04/22/25	XLY
Surrogates			Limits							
TCMX	71%		%REC	23-120		1	369304	04/21/25	04/22/25	XLY
Decachlorobiphenyl	55%		%REC	24-120		1	369304	04/21/25	04/22/25	XLY

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND		ug/Kg	53	25	1	369304	04/21/25	04/22/25	XLY
Aroclor-1221	ND		ug/Kg	53	26	1	369304	04/21/25	04/22/25	XLY
Aroclor-1232	ND		ug/Kg	53	22	1	369304	04/21/25	04/22/25	XLY
Aroclor-1242	ND		ug/Kg	53	28	1	369304	04/21/25	04/22/25	XLY
Aroclor-1248	ND		ug/Kg	53	37	1	369304	04/21/25	04/22/25	XLY
Aroclor-1254	ND		ug/Kg	53	39	1	369304	04/21/25	04/22/25	XLY
Aroclor-1260	ND		ug/Kg	53	29	1	369304	04/21/25	04/22/25	XLY
Aroclor-1262	ND		ug/Kg	53	27	1	369304	04/21/25	04/22/25	XLY
Aroclor-1268	ND		ug/Kg	53	33	1	369304	04/21/25	04/22/25	XLY
Total PCBs	ND		ug/Kg	53		1	369304	04/21/25	04/22/25	XLY
Surrogates			Limits							
Decachlorobiphenyl (PCB)	65%		%REC	19-121		1	369304	04/21/25	04/22/25	XLY

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	43		ug/Kg	10	1.1	1	369264	04/21/25	04/22/25	ZFA
2-Methylnaphthalene	66		ug/Kg	10	1.5	1	369264	04/21/25	04/22/25	ZFA
Naphthalene	110		ug/Kg	10	1.7	1	369264	04/21/25	04/22/25	ZFA
Acenaphthylene	15		ug/Kg	10	1.2	1	369264	04/21/25	04/22/25	ZFA
Acenaphthene	4.4	J	ug/Kg	10	0.79	1	369264	04/21/25	04/22/25	ZFA
Fluorene	30		ug/Kg	10	0.88	1	369264	04/21/25	04/22/25	ZFA
Phenanthrene	140		ug/Kg	10	1.8	1	369264	04/21/25	04/22/25	ZFA
Anthracene	19		ug/Kg	10	1.0	1	369264	04/21/25	04/22/25	ZFA
Fluoranthene	37		ug/Kg	10	1.5	1	369264	04/21/25	04/22/25	ZFA
Pyrene	27		ug/Kg	10	3.4	1	369264	04/21/25	04/22/25	ZFA
Benzo(a)anthracene	6.5	J	ug/Kg	10	0.82	1	369264	04/21/25	04/22/25	ZFA
Chrysene	10	J	ug/Kg	10	0.69	1	369264	04/21/25	04/22/25	ZFA
Benzo(b)fluoranthene	5.1	J	ug/Kg	10	0.92	1	369264	04/21/25	04/22/25	ZFA
Benzo(k)fluoranthene	ND		ug/Kg	10	1.4	1	369264	04/21/25	04/22/25	ZFA
Benzo(a)pyrene	3.1	J	ug/Kg	10	1.6	1	369264	04/21/25	04/22/25	ZFA
Indeno(1,2,3-cd)pyrene	1.9	J	ug/Kg	10	1.0	1	369264	04/21/25	04/22/25	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.1	1	369264	04/21/25	04/22/25	ZFA
Benzo(g,h,i)perylene	2.6	J	ug/Kg	10	1.3	1	369264	04/21/25	04/22/25	ZFA
Surrogates			Limits							
Nitrobenzene-d5	60%		%REC	27-125		1	369264	04/21/25	04/22/25	ZFA
2-Fluorobiphenyl	77%		%REC	30-120		1	369264	04/21/25	04/22/25	ZFA
Terphenyl-d14	80%		%REC	33-155		1	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

Sample ID: COMP-2	Lab ID: 531281-046	Collected: 04/17/25
	Matrix: Soil	Basis: Dry

531281-046 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	4		%	1		1	369549	04/23/25	04/24/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.5	0.95	369246	04/19/25	04/21/25	SBW
Arsenic	5.1		mg/Kg	0.99	0.62	0.95	369246	04/19/25	04/21/25	SBW
Barium	85		mg/Kg	0.99	0.31	0.95	369246	04/19/25	04/21/25	SBW
Beryllium	0.55		mg/Kg	0.50	0.033	0.95	369246	04/19/25	04/21/25	SBW
Cadmium	1.3		mg/Kg	0.50	0.11	0.95	369246	04/19/25	04/21/25	SBW
Chromium	22		mg/Kg	0.99	0.28	0.95	369246	04/19/25	04/21/25	SBW
Cobalt	8.5		mg/Kg	0.50	0.27	0.95	369246	04/19/25	04/21/25	SBW
Copper	22		mg/Kg	0.99	0.71	0.95	369246	04/19/25	04/21/25	SBW
Lead	9.2		mg/Kg	0.99	0.74	0.95	369246	04/19/25	04/21/25	SBW
Molybdenum	1.8		mg/Kg	0.99	0.56	0.95	369246	04/19/25	04/21/25	SBW
Nickel	18		mg/Kg	0.99	0.31	0.95	369246	04/19/25	04/21/25	SBW
Selenium	ND		mg/Kg	3.0	1.2	0.95	369246	04/19/25	04/21/25	SBW
Silver	ND		mg/Kg	0.50	0.17	0.95	369246	04/19/25	04/21/25	SBW
Thallium	ND		mg/Kg	3.0	1.1	0.95	369246	04/19/25	04/21/25	SBW
Vanadium	47		mg/Kg	0.99	0.16	0.95	369246	04/19/25	04/21/25	SBW
Zinc	180		mg/Kg	5.0	2.3	0.95	369246	04/19/25	04/21/25	SBW
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.16	0.058	1.1	369294	04/21/25	04/21/25	KCD
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	32		ug/Kg	10	1.1	0.99	369264	04/21/25	04/22/25	ZFA
2-Methylnaphthalene	40		ug/Kg	10	1.5	0.99	369264	04/21/25	04/22/25	ZFA
Naphthalene	71		ug/Kg	10	1.6	0.99	369264	04/21/25	04/22/25	ZFA
Acenaphthylene	7.9	J	ug/Kg	10	1.2	0.99	369264	04/21/25	04/22/25	ZFA
Acenaphthene	2.5	J	ug/Kg	10	0.78	0.99	369264	04/21/25	04/22/25	ZFA
Fluorene	22		ug/Kg	10	0.87	0.99	369264	04/21/25	04/22/25	ZFA
Phenanthrene	100		ug/Kg	10	1.7	0.99	369264	04/21/25	04/22/25	ZFA
Anthracene	13		ug/Kg	10	1.0	0.99	369264	04/21/25	04/22/25	ZFA
Fluoranthene	30		ug/Kg	10	1.5	0.99	369264	04/21/25	04/22/25	ZFA
Pyrene	22		ug/Kg	10	3.4	0.99	369264	04/21/25	04/22/25	ZFA
Benzo(a)anthracene	7.5	J	ug/Kg	10	0.81	0.99	369264	04/21/25	04/22/25	ZFA
Chrysene	13		ug/Kg	10	0.68	0.99	369264	04/21/25	04/22/25	ZFA
Benzo(b)fluoranthene	7.8	J	ug/Kg	10	0.90	0.99	369264	04/21/25	04/22/25	ZFA
Benzo(k)fluoranthene	1.7	J	ug/Kg	10	1.4	0.99	369264	04/21/25	04/22/25	ZFA
Benzo(a)pyrene	3.8	J	ug/Kg	10	1.6	0.99	369264	04/21/25	04/22/25	ZFA
Indeno(1,2,3-cd)pyrene	3.7	J	ug/Kg	10	1.0	0.99	369264	04/21/25	04/22/25	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.1	0.99	369264	04/21/25	04/22/25	ZFA
Benzo(g,h,i)perylene	5.2	J	ug/Kg	10	1.3	0.99	369264	04/21/25	04/22/25	ZFA
Surrogates				Limits						
Nitrobenzene-d5	58%		%REC	27-125		0.99	369264	04/21/25	04/22/25	ZFA
2-Fluorobiphenyl	73%		%REC	30-120		0.99	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

531281-046 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Terphenyl-d14	84%		%REC	33-155		0.99	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

Sample ID: COMP-3
Lab ID: 531281-047
Collected: 04/17/25
Matrix: Soil
Basis: Dry

531281-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	6		%	1		1	369549	04/23/25	04/24/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.6	0.97	369246	04/19/25	04/21/25	SBW
Arsenic	5.8		mg/Kg	1.0	0.65	0.97	369246	04/19/25	04/21/25	SBW
Barium	120		mg/Kg	1.0	0.33	0.97	369246	04/19/25	04/21/25	SBW
Beryllium	0.54		mg/Kg	0.52	0.035	0.97	369246	04/19/25	04/21/25	SBW
Cadmium	1.2		mg/Kg	0.52	0.11	0.97	369246	04/19/25	04/21/25	SBW
Chromium	24		mg/Kg	1.0	0.29	0.97	369246	04/19/25	04/21/25	SBW
Cobalt	9.1		mg/Kg	0.52	0.28	0.97	369246	04/19/25	04/21/25	SBW
Copper	27		mg/Kg	1.0	0.74	0.97	369246	04/19/25	04/21/25	SBW
Lead	14		mg/Kg	1.0	0.77	0.97	369246	04/19/25	04/21/25	SBW
Molybdenum	1.6		mg/Kg	1.0	0.59	0.97	369246	04/19/25	04/21/25	SBW
Nickel	21		mg/Kg	1.0	0.32	0.97	369246	04/19/25	04/21/25	SBW
Selenium	ND		mg/Kg	3.1	1.3	0.97	369246	04/19/25	04/21/25	SBW
Silver	ND		mg/Kg	0.52	0.17	0.97	369246	04/19/25	04/21/25	SBW
Thallium	ND		mg/Kg	3.1	1.1	0.97	369246	04/19/25	04/21/25	SBW
Vanadium	49		mg/Kg	1.0	0.16	0.97	369246	04/19/25	04/21/25	SBW
Zinc	960		mg/Kg	5.2	2.4	0.97	369246	04/19/25	04/21/25	SBW
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.15	0.056	1	369294	04/21/25	04/21/25	KCD
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.3	2.1	0.99	369304	04/21/25	04/22/25	XLY
beta-BHC	ND		ug/Kg	5.3	2.0	0.99	369304	04/21/25	04/22/25	XLY
gamma-BHC	ND		ug/Kg	5.3	1.8	0.99	369304	04/21/25	04/22/25	XLY
delta-BHC	ND		ug/Kg	5.3	2.5	0.99	369304	04/21/25	04/22/25	XLY
Heptachlor	ND		ug/Kg	5.3	2.0	0.99	369304	04/21/25	04/22/25	XLY
Aldrin	ND		ug/Kg	5.3	2.4	0.99	369304	04/21/25	04/22/25	XLY
Heptachlor epoxide	ND		ug/Kg	5.3	2.2	0.99	369304	04/21/25	04/22/25	XLY
Endosulfan I	ND		ug/Kg	5.3	2.4	0.99	369304	04/21/25	04/22/25	XLY
Dieldrin	ND		ug/Kg	5.3	3.2	0.99	369304	04/21/25	04/22/25	XLY
4,4'-DDE	ND		ug/Kg	5.3	3.3	0.99	369304	04/21/25	04/22/25	XLY
Endrin	ND		ug/Kg	5.3	2.1	0.99	369304	04/21/25	04/22/25	XLY
Endosulfan II	ND		ug/Kg	5.3	2.1	0.99	369304	04/21/25	04/22/25	XLY
Endosulfan sulfate	ND		ug/Kg	5.3	3.4	0.99	369304	04/21/25	04/22/25	XLY
4,4'-DDD	ND		ug/Kg	5.3	1.7	0.99	369304	04/21/25	04/22/25	XLY
Endrin aldehyde	ND		ug/Kg	5.3	3.8	0.99	369304	04/21/25	04/22/25	XLY
Endrin ketone	ND		ug/Kg	5.3	2.2	0.99	369304	04/21/25	04/22/25	XLY
4,4'-DDT	ND		ug/Kg	5.3	2.1	0.99	369304	04/21/25	04/22/25	XLY
Methoxychlor	ND		ug/Kg	11	4.0	0.99	369304	04/21/25	04/22/25	XLY
Toxaphene	ND		ug/Kg	110	92	0.99	369304	04/21/25	04/22/25	XLY
Chlordane (Technical)	ND		ug/Kg	53	41	0.99	369304	04/21/25	04/22/25	XLY
Surrogates	Limits									

Analysis Results for 531281

531281-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX	77%		%REC	23-120		0.99	369304	04/21/25	04/22/25	XLY
Decachlorobiphenyl	60%		%REC	24-120		0.99	369304	04/21/25	04/22/25	XLY
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	54		ug/Kg	11	1.2	1	369264	04/21/25	04/22/25	ZFA
2-Methylnaphthalene	69		ug/Kg	11	1.5	1	369264	04/21/25	04/22/25	ZFA
Naphthalene	80		ug/Kg	11	1.7	1	369264	04/21/25	04/22/25	ZFA
Acenaphthylene	8.3	J	ug/Kg	11	1.2	1	369264	04/21/25	04/22/25	ZFA
Acenaphthene	5.8	J	ug/Kg	11	0.80	1	369264	04/21/25	04/22/25	ZFA
Fluorene	27		ug/Kg	11	0.90	1	369264	04/21/25	04/22/25	ZFA
Phenanthrene	110		ug/Kg	11	1.8	1	369264	04/21/25	04/22/25	ZFA
Anthracene	17		ug/Kg	11	1.1	1	369264	04/21/25	04/22/25	ZFA
Fluoranthene	31		ug/Kg	11	1.5	1	369264	04/21/25	04/22/25	ZFA
Pyrene	24		ug/Kg	11	3.5	1	369264	04/21/25	04/22/25	ZFA
Benzo(a)anthracene	8.5	J	ug/Kg	11	0.84	1	369264	04/21/25	04/22/25	ZFA
Chrysene	15		ug/Kg	11	0.70	1	369264	04/21/25	04/22/25	ZFA
Benzo(b)fluoranthene	6.7	J	ug/Kg	11	0.94	1	369264	04/21/25	04/22/25	ZFA
Benzo(k)fluoranthene	ND		ug/Kg	11	1.4	1	369264	04/21/25	04/22/25	ZFA
Benzo(a)pyrene	3.3	J	ug/Kg	11	1.6	1	369264	04/21/25	04/22/25	ZFA
Indeno(1,2,3-cd)pyrene	2.2	J	ug/Kg	11	1.0	1	369264	04/21/25	04/22/25	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	11	1.1	1	369264	04/21/25	04/22/25	ZFA
Benzo(g,h,i)perylene	4.8	J	ug/Kg	11	1.3	1	369264	04/21/25	04/22/25	ZFA
Surrogates				Limits						
Nitrobenzene-d5	57%		%REC	27-125		1	369264	04/21/25	04/22/25	ZFA
2-Fluorobiphenyl	70%		%REC	30-120		1	369264	04/21/25	04/22/25	ZFA
Terphenyl-d14	69%		%REC	33-155		1	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

Sample ID: COMP-4	Lab ID: 531281-048	Collected: 04/17/25
	Matrix: Soil	Basis: Dry

531281-048 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	7		%	1		1	369549	04/23/25	04/24/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.6	0.95	369246	04/19/25	04/21/25	SBW
Arsenic	6.5		mg/Kg	1.0	0.64	0.95	369246	04/19/25	04/21/25	SBW
Barium	100		mg/Kg	1.0	0.32	0.95	369246	04/19/25	04/21/25	SBW
Beryllium	0.55		mg/Kg	0.51	0.035	0.95	369246	04/19/25	04/21/25	SBW
Cadmium	1.3		mg/Kg	0.51	0.11	0.95	369246	04/19/25	04/21/25	SBW
Chromium	23		mg/Kg	1.0	0.29	0.95	369246	04/19/25	04/21/25	SBW
Cobalt	9.3		mg/Kg	0.51	0.27	0.95	369246	04/19/25	04/21/25	SBW
Copper	48		mg/Kg	1.0	0.73	0.95	369246	04/19/25	04/21/25	SBW
Lead	31		mg/Kg	1.0	0.77	0.95	369246	04/19/25	04/21/25	SBW
Molybdenum	1.5		mg/Kg	1.0	0.58	0.95	369246	04/19/25	04/21/25	SBW
Nickel	19		mg/Kg	1.0	0.32	0.95	369246	04/19/25	04/21/25	SBW
Selenium	ND		mg/Kg	3.1	1.3	0.95	369246	04/19/25	04/21/25	SBW
Silver	ND		mg/Kg	0.51	0.17	0.95	369246	04/19/25	04/21/25	SBW
Thallium	ND		mg/Kg	3.1	1.1	0.95	369246	04/19/25	04/21/25	SBW
Vanadium	48		mg/Kg	1.0	0.16	0.95	369246	04/19/25	04/21/25	SBW
Zinc	1,200		mg/Kg	5.1	2.3	0.95	369246	04/19/25	04/21/25	SBW
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.17	0.062	1.1	369294	04/21/25	04/21/25	KCD
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	31	J	ug/Kg	43	4.7	4	369264	04/21/25	04/22/25	ZFA
2-Methylnaphthalene	34	J	ug/Kg	43	6.2	4	369264	04/21/25	04/22/25	ZFA
Naphthalene	42	J	ug/Kg	43	6.9	4	369264	04/21/25	04/22/25	ZFA
Acenaphthylene	5.7	J	ug/Kg	43	4.8	4	369264	04/21/25	04/22/25	ZFA
Acenaphthene	3.3	J	ug/Kg	43	3.3	4	369264	04/21/25	04/22/25	ZFA
Fluorene	15	J	ug/Kg	43	3.6	4	369264	04/21/25	04/22/25	ZFA
Phenanthrene	64		ug/Kg	43	7.2	4	369264	04/21/25	04/22/25	ZFA
Anthracene	9.4	J	ug/Kg	43	4.3	4	369264	04/21/25	04/22/25	ZFA
Fluoranthene	20	J	ug/Kg	43	6.2	4	369264	04/21/25	04/22/25	ZFA
Pyrene	17	J	ug/Kg	43	14	4	369264	04/21/25	04/22/25	ZFA
Benzo(a)anthracene	4.7	J	ug/Kg	43	3.4	4	369264	04/21/25	04/22/25	ZFA
Chrysene	9.3	J	ug/Kg	43	2.8	4	369264	04/21/25	04/22/25	ZFA
Benzo(b)fluoranthene	12	J	ug/Kg	43	3.8	4	369264	04/21/25	04/22/25	ZFA
Benzo(k)fluoranthene	ND		ug/Kg	43	5.8	4	369264	04/21/25	04/22/25	ZFA
Benzo(a)pyrene	ND		ug/Kg	43	6.5	4	369264	04/21/25	04/22/25	ZFA
Indeno(1,2,3-cd)pyrene	5.5	J	ug/Kg	43	4.2	4	369264	04/21/25	04/22/25	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	43	4.5	4	369264	04/21/25	04/22/25	ZFA
Benzo(g,h,i)perylene	10	J	ug/Kg	43	5.4	4	369264	04/21/25	04/22/25	ZFA
Surrogates				Limits						
Nitrobenzene-d5	66%		%REC	27-125		4	369264	04/21/25	04/22/25	ZFA
2-Fluorobiphenyl	59%		%REC	30-120		4	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

531281-048 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Terphenyl-d14	88%		%REC	33-155		4	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

Sample ID: COMP-5
Lab ID: 531281-049
Collected: 04/17/25
Matrix: Soil
Basis: Dry

531281-049 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	6		%	1		1	369549	04/23/25	04/24/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.2	1.6	1	369246	04/19/25	04/21/25	SBW
Arsenic	7.1		mg/Kg	1.1	0.67	1	369246	04/19/25	04/21/25	SBW
Barium	110		mg/Kg	1.1	0.34	1	369246	04/19/25	04/21/25	SBW
Beryllium	0.54		mg/Kg	0.53	0.036	1	369246	04/19/25	04/21/25	SBW
Cadmium	1.2		mg/Kg	0.53	0.12	1	369246	04/19/25	04/21/25	SBW
Chromium	22		mg/Kg	1.1	0.30	1	369246	04/19/25	04/21/25	SBW
Cobalt	9.0		mg/Kg	0.53	0.28	1	369246	04/19/25	04/21/25	SBW
Copper	24		mg/Kg	1.1	0.76	1	369246	04/19/25	04/21/25	SBW
Lead	36		mg/Kg	1.1	0.80	1	369246	04/19/25	04/21/25	SBW
Molybdenum	1.4		mg/Kg	1.1	0.61	1	369246	04/19/25	04/21/25	SBW
Nickel	19		mg/Kg	1.1	0.33	1	369246	04/19/25	04/21/25	SBW
Selenium	ND		mg/Kg	3.2	1.3	1	369246	04/19/25	04/21/25	SBW
Silver	ND		mg/Kg	0.53	0.18	1	369246	04/19/25	04/21/25	SBW
Thallium	ND		mg/Kg	3.2	1.2	1	369246	04/19/25	04/21/25	SBW
Vanadium	47		mg/Kg	1.1	0.17	1	369246	04/19/25	04/21/25	SBW
Zinc	1,600		mg/Kg	5.3	2.4	1	369246	04/19/25	04/21/25	SBW
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.16	0.058	1.1	369293	04/21/25	04/21/25	MLL
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	53	19	5	369253	04/20/25	04/23/25	DIB
DRO C10-C28	62		mg/Kg	53	19	5	369253	04/20/25	04/23/25	DIB
ORO C28-C44	340		mg/Kg	110	19	5	369253	04/20/25	04/23/25	DIB
Surrogates	Limits									
n-Triacontane	98%		%REC	70-130		5	369253	04/20/25	04/23/25	DIB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.4	2.1	1	369304	04/21/25	04/22/25	XLY
beta-BHC	ND		ug/Kg	5.4	2.1	1	369304	04/21/25	04/22/25	XLY
gamma-BHC	5.4	C,J	ug/Kg	5.4	1.8	1	369304	04/21/25	04/22/25	XLY
delta-BHC	ND		ug/Kg	5.4	2.6	1	369304	04/21/25	04/22/25	XLY
Heptachlor	ND		ug/Kg	5.4	2.1	1	369304	04/21/25	04/22/25	XLY
Aldrin	ND		ug/Kg	5.4	2.5	1	369304	04/21/25	04/22/25	XLY
Heptachlor epoxide	ND		ug/Kg	5.4	2.3	1	369304	04/21/25	04/22/25	XLY
Endosulfan I	ND		ug/Kg	5.4	2.4	1	369304	04/21/25	04/22/25	XLY
Dieldrin	ND		ug/Kg	5.4	3.3	1	369304	04/21/25	04/22/25	XLY
4,4'-DDE	ND		ug/Kg	5.4	3.4	1	369304	04/21/25	04/22/25	XLY
Endrin	ND		ug/Kg	5.4	2.2	1	369304	04/21/25	04/22/25	XLY
Endosulfan II	ND		ug/Kg	5.4	2.2	1	369304	04/21/25	04/22/25	XLY
Endosulfan sulfate	ND		ug/Kg	5.4	3.5	1	369304	04/21/25	04/22/25	XLY
4,4'-DDD	ND		ug/Kg	5.4	1.7	1	369304	04/21/25	04/22/25	XLY

Analysis Results for 531281

531281-049 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.4	3.9	1	369304	04/21/25	04/22/25	XLY
Endrin ketone	ND		ug/Kg	5.4	2.2	1	369304	04/21/25	04/22/25	XLY
4,4'-DDT	9.0	C	ug/Kg	5.4	2.2	1	369304	04/21/25	04/22/25	XLY
Methoxychlor	ND		ug/Kg	11	4.1	1	369304	04/21/25	04/22/25	XLY
Toxaphene	ND		ug/Kg	110	95	1	369304	04/21/25	04/22/25	XLY
Chlordane (Technical)	210		ug/Kg	54	42	1	369304	04/21/25	04/22/25	XLY
Surrogates				Limits						
TCMX	82%		%REC	23-120		1	369304	04/21/25	04/22/25	XLY
Decachlorobiphenyl	72%		%REC	24-120		1	369304	04/21/25	04/22/25	XLY

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND		ug/Kg	54	26	1	369304	04/21/25	04/22/25	XLY
Aroclor-1221	ND		ug/Kg	54	26	1	369304	04/21/25	04/22/25	XLY
Aroclor-1232	ND		ug/Kg	54	22	1	369304	04/21/25	04/22/25	XLY
Aroclor-1242	ND		ug/Kg	54	28	1	369304	04/21/25	04/22/25	XLY
Aroclor-1248	ND		ug/Kg	54	38	1	369304	04/21/25	04/22/25	XLY
Aroclor-1254	ND		ug/Kg	54	40	1	369304	04/21/25	04/22/25	XLY
Aroclor-1260	ND		ug/Kg	54	29	1	369304	04/21/25	04/22/25	XLY
Aroclor-1262	ND		ug/Kg	54	27	1	369304	04/21/25	04/22/25	XLY
Aroclor-1268	ND		ug/Kg	54	33	1	369304	04/21/25	04/22/25	XLY
Total PCBs	ND		ug/Kg	54		1	369304	04/21/25	04/22/25	XLY
Surrogates				Limits						
Decachlorobiphenyl (PCB)	71%		%REC	19-121		1	369304	04/21/25	04/22/25	XLY

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	110	12	10	369264	04/21/25	04/22/25	ZFA
2-Methylnaphthalene	ND		ug/Kg	110	15	10	369264	04/21/25	04/22/25	ZFA
Naphthalene	ND		ug/Kg	110	17	10	369264	04/21/25	04/22/25	ZFA
Acenaphthylene	ND		ug/Kg	110	12	10	369264	04/21/25	04/22/25	ZFA
Acenaphthene	ND		ug/Kg	110	8.0	10	369264	04/21/25	04/22/25	ZFA
Fluorene	ND		ug/Kg	110	9.0	10	369264	04/21/25	04/22/25	ZFA
Phenanthrene	35	J	ug/Kg	110	18	10	369264	04/21/25	04/22/25	ZFA
Anthracene	ND		ug/Kg	110	11	10	369264	04/21/25	04/22/25	ZFA
Fluoranthene	50	J	ug/Kg	110	15	10	369264	04/21/25	04/22/25	ZFA
Pyrene	58	J	ug/Kg	110	35	10	369264	04/21/25	04/22/25	ZFA
Benzo(a)anthracene	30	J	ug/Kg	110	8.4	10	369264	04/21/25	04/22/25	ZFA
Chrysene	33	J	ug/Kg	110	7.0	10	369264	04/21/25	04/22/25	ZFA
Benzo(b)fluoranthene	47	J	ug/Kg	110	9.4	10	369264	04/21/25	04/22/25	ZFA
Benzo(k)fluoranthene	14	J	ug/Kg	110	14	10	369264	04/21/25	04/22/25	ZFA
Benzo(a)pyrene	29	J	ug/Kg	110	16	10	369264	04/21/25	04/22/25	ZFA
Indeno(1,2,3-cd)pyrene	26	J	ug/Kg	110	10	10	369264	04/21/25	04/22/25	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	110	11	10	369264	04/21/25	04/22/25	ZFA
Benzo(g,h,i)perylene	42	J	ug/Kg	110	13	10	369264	04/21/25	04/22/25	ZFA

Surrogates				Limits						
Nitrobenzene-d5	64%		%REC	27-125		10	369264	04/21/25	04/22/25	ZFA
2-Fluorobiphenyl	72%		%REC	30-120		10	369264	04/21/25	04/22/25	ZFA
Terphenyl-d14	86%		%REC	33-155		10	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

Sample ID: COMP-6
Lab ID: 531281-050
Collected: 04/17/25
Matrix: Soil
Basis: Dry

531281-050 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	6		%	1		1	369549	04/23/25	04/24/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.6	0.97	369246	04/19/25	04/21/25	SBW
Arsenic	7.1		mg/Kg	1.0	0.65	0.97	369246	04/19/25	04/21/25	SBW
Barium	100		mg/Kg	1.0	0.33	0.97	369246	04/19/25	04/21/25	SBW
Beryllium	0.41	J	mg/Kg	0.52	0.035	0.97	369246	04/19/25	04/21/25	SBW
Cadmium	1.5		mg/Kg	0.52	0.11	0.97	369246	04/19/25	04/21/25	SBW
Chromium	24		mg/Kg	1.0	0.29	0.97	369246	04/19/25	04/21/25	SBW
Cobalt	10		mg/Kg	0.52	0.28	0.97	369246	04/19/25	04/21/25	SBW
Copper	33		mg/Kg	1.0	0.74	0.97	369246	04/19/25	04/21/25	SBW
Lead	59		mg/Kg	1.0	0.77	0.97	369246	04/19/25	04/21/25	SBW
Molybdenum	1.7		mg/Kg	1.0	0.59	0.97	369246	04/19/25	04/21/25	SBW
Nickel	17		mg/Kg	1.0	0.32	0.97	369246	04/19/25	04/21/25	SBW
Selenium	ND		mg/Kg	3.1	1.3	0.97	369246	04/19/25	04/21/25	SBW
Silver	ND		mg/Kg	0.52	0.17	0.97	369246	04/19/25	04/21/25	SBW
Thallium	ND		mg/Kg	3.1	1.1	0.97	369246	04/19/25	04/21/25	SBW
Vanadium	36		mg/Kg	1.0	0.16	0.97	369246	04/19/25	04/21/25	SBW
Zinc	380		mg/Kg	5.2	2.4	0.97	369246	04/19/25	04/21/25	SBW
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	0.063	J	mg/Kg	0.16	0.058	1.1	369293	04/21/25	04/21/25	MLL
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	110	12	10	369264	04/21/25	04/22/25	ZFA
2-Methylnaphthalene	ND		ug/Kg	110	15	10	369264	04/21/25	04/22/25	ZFA
Naphthalene	19	J	ug/Kg	110	17	10	369264	04/21/25	04/22/25	ZFA
Acenaphthylene	ND		ug/Kg	110	12	10	369264	04/21/25	04/22/25	ZFA
Acenaphthene	ND		ug/Kg	110	8.0	10	369264	04/21/25	04/22/25	ZFA
Fluorene	ND		ug/Kg	110	9.0	10	369264	04/21/25	04/22/25	ZFA
Phenanthrene	26	J	ug/Kg	110	18	10	369264	04/21/25	04/22/25	ZFA
Anthracene	ND		ug/Kg	110	11	10	369264	04/21/25	04/22/25	ZFA
Fluoranthene	25	J	ug/Kg	110	15	10	369264	04/21/25	04/22/25	ZFA
Pyrene	ND		ug/Kg	110	35	10	369264	04/21/25	04/22/25	ZFA
Benzo(a)anthracene	10	J	ug/Kg	110	8.4	10	369264	04/21/25	04/22/25	ZFA
Chrysene	15	J	ug/Kg	110	7.0	10	369264	04/21/25	04/22/25	ZFA
Benzo(b)fluoranthene	21	J	ug/Kg	110	9.4	10	369264	04/21/25	04/22/25	ZFA
Benzo(k)fluoranthene	ND		ug/Kg	110	14	10	369264	04/21/25	04/22/25	ZFA
Benzo(a)pyrene	ND		ug/Kg	110	16	10	369264	04/21/25	04/22/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	110	10	10	369264	04/21/25	04/22/25	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	110	11	10	369264	04/21/25	04/22/25	ZFA
Benzo(g,h,i)perylene	19	J	ug/Kg	110	13	10	369264	04/21/25	04/22/25	ZFA
Surrogates				Limits						
Nitrobenzene-d5	55%		%REC	27-125		10	369264	04/21/25	04/22/25	ZFA
2-Fluorobiphenyl	65%		%REC	30-120		10	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

531281-050 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Terphenyl-d14	77%		%REC	33-155		10	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

Sample ID: COMP-7
Lab ID: 531281-051
Collected: 04/17/25
Matrix: Soil
Basis: Dry

531281-051 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	6		%	1		1	369549	04/23/25	04/24/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.5	0.95	369246	04/19/25	04/21/25	SBW
Arsenic	6.0		mg/Kg	1.0	0.64	0.95	369246	04/19/25	04/21/25	SBW
Barium	96		mg/Kg	1.0	0.32	0.95	369246	04/19/25	04/21/25	SBW
Beryllium	0.46	J	mg/Kg	0.51	0.034	0.95	369246	04/19/25	04/21/25	SBW
Cadmium	1.3		mg/Kg	0.51	0.11	0.95	369246	04/19/25	04/21/25	SBW
Chromium	27		mg/Kg	1.0	0.28	0.95	369246	04/19/25	04/21/25	SBW
Cobalt	8.5		mg/Kg	0.51	0.27	0.95	369246	04/19/25	04/21/25	SBW
Copper	30		mg/Kg	1.0	0.73	0.95	369246	04/19/25	04/21/25	SBW
Lead	100		mg/Kg	1.0	0.76	0.95	369246	04/19/25	04/21/25	SBW
Molybdenum	1.5		mg/Kg	1.0	0.58	0.95	369246	04/19/25	04/21/25	SBW
Nickel	19		mg/Kg	1.0	0.32	0.95	369246	04/19/25	04/21/25	SBW
Selenium	ND		mg/Kg	3.0	1.3	0.95	369246	04/19/25	04/21/25	SBW
Silver	ND		mg/Kg	0.51	0.17	0.95	369246	04/19/25	04/21/25	SBW
Thallium	ND		mg/Kg	3.0	1.1	0.95	369246	04/19/25	04/21/25	SBW
Vanadium	42		mg/Kg	1.0	0.16	0.95	369246	04/19/25	04/21/25	SBW
Zinc	700		mg/Kg	5.1	2.3	0.95	369246	04/19/25	04/21/25	SBW
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.15	0.055	1	369293	04/21/25	04/21/25	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.4	2.1	1	369304	04/21/25	04/22/25	XLY
beta-BHC	ND		ug/Kg	5.4	2.1	1	369304	04/21/25	04/22/25	XLY
gamma-BHC	ND		ug/Kg	5.4	1.8	1	369304	04/21/25	04/22/25	XLY
delta-BHC	ND		ug/Kg	5.4	2.6	1	369304	04/21/25	04/22/25	XLY
Heptachlor	ND		ug/Kg	5.4	2.1	1	369304	04/21/25	04/22/25	XLY
Aldrin	ND		ug/Kg	5.4	2.5	1	369304	04/21/25	04/22/25	XLY
Heptachlor epoxide	ND		ug/Kg	5.4	2.3	1	369304	04/21/25	04/22/25	XLY
Endosulfan I	ND		ug/Kg	5.4	2.4	1	369304	04/21/25	04/22/25	XLY
Dieldrin	ND		ug/Kg	5.4	3.3	1	369304	04/21/25	04/22/25	XLY
4,4'-DDE	28		ug/Kg	5.4	3.4	1	369304	04/21/25	04/22/25	XLY
Endrin	ND		ug/Kg	5.4	2.2	1	369304	04/21/25	04/22/25	XLY
Endosulfan II	ND		ug/Kg	5.4	2.2	1	369304	04/21/25	04/22/25	XLY
Endosulfan sulfate	ND		ug/Kg	5.4	3.4	1	369304	04/21/25	04/22/25	XLY
4,4'-DDD	ND		ug/Kg	5.4	1.7	1	369304	04/21/25	04/22/25	XLY
Endrin aldehyde	ND		ug/Kg	5.4	3.8	1	369304	04/21/25	04/22/25	XLY
Endrin ketone	ND		ug/Kg	5.4	2.2	1	369304	04/21/25	04/22/25	XLY
4,4'-DDT	26		ug/Kg	5.4	2.2	1	369304	04/21/25	04/22/25	XLY
Methoxychlor	ND		ug/Kg	11	4.1	1	369304	04/21/25	04/22/25	XLY
Toxaphene	ND		ug/Kg	110	94	1	369304	04/21/25	04/22/25	XLY
Chlordane (Technical)	110		ug/Kg	54	41	1	369304	04/21/25	04/22/25	XLY
Surrogates	Limits									

Analysis Results for 531281

531281-051 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX	81%		%REC	23-120		1	369304	04/21/25	04/22/25	XLY
Decachlorobiphenyl	56%		%REC	24-120		1	369304	04/21/25	04/22/25	XLY
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	110	12	10	369264	04/21/25	04/22/25	ZFA
2-Methylnaphthalene	ND		ug/Kg	110	15	10	369264	04/21/25	04/22/25	ZFA
Naphthalene	ND		ug/Kg	110	17	10	369264	04/21/25	04/22/25	ZFA
Acenaphthylene	ND		ug/Kg	110	12	10	369264	04/21/25	04/22/25	ZFA
Acenaphthene	ND		ug/Kg	110	8.1	10	369264	04/21/25	04/22/25	ZFA
Fluorene	ND		ug/Kg	110	9.1	10	369264	04/21/25	04/22/25	ZFA
Phenanthrene	23	J	ug/Kg	110	18	10	369264	04/21/25	04/22/25	ZFA
Anthracene	ND		ug/Kg	110	11	10	369264	04/21/25	04/22/25	ZFA
Fluoranthene	16	J	ug/Kg	110	16	10	369264	04/21/25	04/22/25	ZFA
Pyrene	ND		ug/Kg	110	35	10	369264	04/21/25	04/22/25	ZFA
Benzo(a)anthracene	ND		ug/Kg	110	8.4	10	369264	04/21/25	04/22/25	ZFA
Chrysene	11	J	ug/Kg	110	7.0	10	369264	04/21/25	04/22/25	ZFA
Benzo(b)fluoranthene	11	J	ug/Kg	110	9.4	10	369264	04/21/25	04/22/25	ZFA
Benzo(k)fluoranthene	ND		ug/Kg	110	14	10	369264	04/21/25	04/22/25	ZFA
Benzo(a)pyrene	ND		ug/Kg	110	16	10	369264	04/21/25	04/22/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	110	10	10	369264	04/21/25	04/22/25	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	110	11	10	369264	04/21/25	04/22/25	ZFA
Benzo(g,h,i)perylene	17	J	ug/Kg	110	13	10	369264	04/21/25	04/22/25	ZFA
Surrogates				Limits						
Nitrobenzene-d5	68%		%REC	27-125		10	369264	04/21/25	04/22/25	ZFA
2-Fluorobiphenyl	76%		%REC	30-120		10	369264	04/21/25	04/22/25	ZFA
Terphenyl-d14	85%		%REC	33-155		10	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

Sample ID: COMP-8	Lab ID: 531281-052	Collected: 04/17/25
	Matrix: Soil	Basis: Dry

531281-052 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	8		%	1		1	369549	04/23/25	04/24/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.2	1.6	0.98	369246	04/19/25	04/21/25	SBW
Arsenic	6.2		mg/Kg	1.1	0.67	0.98	369246	04/19/25	04/21/25	SBW
Barium	110		mg/Kg	1.1	0.34	0.98	369246	04/19/25	04/21/25	SBW
Beryllium	0.51	J	mg/Kg	0.53	0.036	0.98	369246	04/19/25	04/21/25	SBW
Cadmium	0.99		mg/Kg	0.53	0.12	0.98	369246	04/19/25	04/21/25	SBW
Chromium	26		mg/Kg	1.1	0.30	0.98	369246	04/19/25	04/21/25	SBW
Cobalt	8.9		mg/Kg	0.53	0.29	0.98	369246	04/19/25	04/21/25	SBW
Copper	34		mg/Kg	1.1	0.76	0.98	369246	04/19/25	04/21/25	SBW
Lead	49		mg/Kg	1.1	0.80	0.98	369246	04/19/25	04/21/25	SBW
Molybdenum	1.4		mg/Kg	1.1	0.61	0.98	369246	04/19/25	04/21/25	SBW
Nickel	19		mg/Kg	1.1	0.33	0.98	369246	04/19/25	04/21/25	SBW
Selenium	ND		mg/Kg	3.2	1.3	0.98	369246	04/19/25	04/21/25	SBW
Silver	ND		mg/Kg	0.53	0.18	0.98	369246	04/19/25	04/21/25	SBW
Thallium	ND		mg/Kg	3.2	1.2	0.98	369246	04/19/25	04/21/25	SBW
Vanadium	47		mg/Kg	1.1	0.17	0.98	369246	04/19/25	04/21/25	SBW
Zinc	770		mg/Kg	5.3	2.4	0.98	369246	04/19/25	04/21/25	SBW
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.16	0.058	1	369293	04/21/25	04/21/25	MLL
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	110	12	10	369264	04/21/25	04/22/25	ZFA
2-Methylnaphthalene	ND		ug/Kg	110	16	10	369264	04/21/25	04/22/25	ZFA
Naphthalene	ND		ug/Kg	110	17	10	369264	04/21/25	04/22/25	ZFA
Acenaphthylene	ND		ug/Kg	110	12	10	369264	04/21/25	04/22/25	ZFA
Acenaphthene	ND		ug/Kg	110	8.3	10	369264	04/21/25	04/22/25	ZFA
Fluorene	ND		ug/Kg	110	9.3	10	369264	04/21/25	04/22/25	ZFA
Phenanthrene	70	J	ug/Kg	110	18	10	369264	04/21/25	04/22/25	ZFA
Anthracene	ND		ug/Kg	110	11	10	369264	04/21/25	04/22/25	ZFA
Fluoranthene	59	J	ug/Kg	110	16	10	369264	04/21/25	04/22/25	ZFA
Pyrene	45	J	ug/Kg	110	36	10	369264	04/21/25	04/22/25	ZFA
Benzo(a)anthracene	15	J	ug/Kg	110	8.6	10	369264	04/21/25	04/22/25	ZFA
Chrysene	26	J	ug/Kg	110	7.2	10	369264	04/21/25	04/22/25	ZFA
Benzo(b)fluoranthene	24	J	ug/Kg	110	9.6	10	369264	04/21/25	04/22/25	ZFA
Benzo(k)fluoranthene	ND		ug/Kg	110	15	10	369264	04/21/25	04/22/25	ZFA
Benzo(a)pyrene	ND		ug/Kg	110	17	10	369264	04/21/25	04/22/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	110	11	10	369264	04/21/25	04/22/25	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	110	11	10	369264	04/21/25	04/22/25	ZFA
Benzo(g,h,i)perylene	16	J	ug/Kg	110	14	10	369264	04/21/25	04/22/25	ZFA
Surrogates				Limits						
Nitrobenzene-d5	73%		%REC	27-125		10	369264	04/21/25	04/22/25	ZFA
2-Fluorobiphenyl	66%		%REC	30-120		10	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

531281-052 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Terphenyl-d14	78%		%REC	33-155		10	369264	04/21/25	04/22/25	ZFA

Sample ID: COMP-9
Lab ID: 531281-053
Collected: 04/17/25
Matrix: Soil
Basis: Dry

531281-053 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
--------------------	--------	------	-------	----	-----	----	-------	----------	----------	---------

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent	12		%	1		1	369549	04/23/25	04/24/25	TRR
-------------------	-----------	--	---	---	--	---	--------	----------	----------	-----

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	45	4.9	4	369264	04/21/25	04/22/25	ZFA
2-Methylnaphthalene	ND		ug/Kg	45	6.5	4	369264	04/21/25	04/22/25	ZFA
Naphthalene	ND		ug/Kg	45	7.2	4	369264	04/21/25	04/22/25	ZFA
Acenaphthylene	ND		ug/Kg	45	5.1	4	369264	04/21/25	04/22/25	ZFA
Acenaphthene	ND		ug/Kg	45	3.4	4	369264	04/21/25	04/22/25	ZFA
Fluorene	ND		ug/Kg	45	3.8	4	369264	04/21/25	04/22/25	ZFA
Phenanthrene	11	J	ug/Kg	45	7.6	4	369264	04/21/25	04/22/25	ZFA
Anthracene	ND		ug/Kg	45	4.5	4	369264	04/21/25	04/22/25	ZFA
Fluoranthene	11	J	ug/Kg	45	6.6	4	369264	04/21/25	04/22/25	ZFA
Pyrene	ND		ug/Kg	45	15	4	369264	04/21/25	04/22/25	ZFA
Benzo(a)anthracene	6.3	J	ug/Kg	45	3.6	4	369264	04/21/25	04/22/25	ZFA
Chrysene	8.4	J	ug/Kg	45	3.0	4	369264	04/21/25	04/22/25	ZFA
Benzo(b)fluoranthene	10	J	ug/Kg	45	4.0	4	369264	04/21/25	04/22/25	ZFA
Benzo(k)fluoranthene	ND		ug/Kg	45	6.1	4	369264	04/21/25	04/22/25	ZFA
Benzo(a)pyrene	ND		ug/Kg	45	6.9	4	369264	04/21/25	04/22/25	ZFA
Indeno(1,2,3-cd)pyrene	5.3	J	ug/Kg	45	4.4	4	369264	04/21/25	04/22/25	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	45	4.7	4	369264	04/21/25	04/22/25	ZFA
Benzo(g,h,i)perylene	6.9	J	ug/Kg	45	5.7	4	369264	04/21/25	04/22/25	ZFA

Surrogates
Limits

Nitrobenzene-d5	65%		%REC	27-125		4	369264	04/21/25	04/22/25	ZFA
2-Fluorobiphenyl	77%		%REC	30-120		4	369264	04/21/25	04/22/25	ZFA
Terphenyl-d14	89%		%REC	33-155		4	369264	04/21/25	04/22/25	ZFA

Analysis Results for 531281

Sample ID: COMP-10
Lab ID: 531281-054
Collected: 04/17/25
Matrix: Soil
Basis: Dry

531281-054 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	36		%	1		1	369549	04/23/25	04/24/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	4.6	2.3	0.99	369247	04/19/25	04/21/25	SBW
Arsenic	5.1		mg/Kg	1.5	1.1	0.99	369247	04/19/25	04/21/25	SBW
Barium	350		mg/Kg	1.5	0.49	0.99	369247	04/19/25	04/21/25	SBW
Beryllium	0.20	J	mg/Kg	0.77	0.052	0.99	369247	04/19/25	04/21/25	SBW
Cadmium	1.4		mg/Kg	0.77	0.12	0.99	369247	04/19/25	04/21/25	SBW
Chromium	34		mg/Kg	1.5	0.47	0.99	369247	04/19/25	04/21/25	SBW
Cobalt	6.1		mg/Kg	0.77	0.40	0.99	369247	04/19/25	04/21/25	SBW
Copper	120		mg/Kg	1.5	1.2	0.99	369247	04/19/25	04/21/25	SBW
Lead	20		mg/Kg	1.5	1.1	0.99	369247	04/19/25	04/21/25	SBW
Molybdenum	6.7		mg/Kg	1.5	0.84	0.99	369247	04/19/25	04/21/25	SBW
Nickel	21		mg/Kg	1.5	0.53	0.99	369247	04/19/25	04/21/25	SBW
Selenium	5.3		mg/Kg	4.6	1.9	0.99	369247	04/19/25	04/21/25	SBW
Silver	0.33	J	mg/Kg	0.77	0.26	0.99	369247	04/19/25	04/21/25	SBW
Thallium	ND		mg/Kg	4.6	1.7	0.99	369247	04/19/25	04/21/25	SBW
Vanadium	42		mg/Kg	1.5	0.25	0.99	369247	04/19/25	04/21/25	SBW
Zinc	570		mg/Kg	7.7	3.5	0.99	369247	04/19/25	04/21/25	SBW
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	0.20	J	mg/Kg	0.22	0.081	1	369293	04/21/25	04/21/25	MLL
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	31	11	2	369262	04/20/25	04/23/25	KMB
DRO C10-C28	660		mg/Kg	31	11	2	369262	04/20/25	04/23/25	KMB
ORO C28-C44	670		mg/Kg	61	11	2	369262	04/20/25	04/23/25	KMB
Surrogates	Limits									
n-Triacontane	73%		%REC	70-130		2	369262	04/20/25	04/23/25	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	8.0	3.1	1	369304	04/21/25	04/22/25	XLY
beta-BHC	ND		ug/Kg	8.0	3.1	1	369304	04/21/25	04/22/25	XLY
gamma-BHC	ND		ug/Kg	8.0	2.7	1	369304	04/21/25	04/22/25	XLY
delta-BHC	21		ug/Kg	8.0	3.8	1	369304	04/21/25	04/22/25	XLY
Heptachlor	ND		ug/Kg	8.0	3.1	1	369304	04/21/25	04/22/25	XLY
Aldrin	ND		ug/Kg	8.0	3.6	1	369304	04/21/25	04/22/25	XLY
Heptachlor epoxide	ND		ug/Kg	8.0	3.4	1	369304	04/21/25	04/22/25	XLY
Endosulfan I	ND		ug/Kg	8.0	3.6	1	369304	04/21/25	04/22/25	XLY
Dieldrin	ND		ug/Kg	8.0	4.9	1	369304	04/21/25	04/22/25	XLY
4,4'-DDE	ND		ug/Kg	8.0	5.1	1	369304	04/21/25	04/22/25	XLY
Endrin	ND		ug/Kg	8.0	3.2	1	369304	04/21/25	04/22/25	XLY
Endosulfan II	ND		ug/Kg	8.0	3.2	1	369304	04/21/25	04/22/25	XLY
Endosulfan sulfate	ND		ug/Kg	8.0	5.1	1	369304	04/21/25	04/22/25	XLY
4,4'-DDD	ND		ug/Kg	8.0	2.5	1	369304	04/21/25	04/22/25	XLY

Analysis Results for 531281

531281-054 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	8.0	5.7	1	369304	04/21/25	04/22/25	XLY
Endrin ketone	ND		ug/Kg	8.0	3.3	1	369304	04/21/25	04/22/25	XLY
4,4'-DDT	ND		ug/Kg	8.0	3.3	1	369304	04/21/25	04/22/25	XLY
Methoxychlor	ND		ug/Kg	16	6.1	1	369304	04/21/25	04/22/25	XLY
Toxaphene	ND		ug/Kg	160	140	1	369304	04/21/25	04/22/25	XLY
Chlordane (Technical)	ND		ug/Kg	80	61	1	369304	04/21/25	04/22/25	XLY
Surrogates			Limits							
TCMX	48%		%REC	23-120		1	369304	04/21/25	04/22/25	XLY
Decachlorobiphenyl	38%		%REC	24-120		1	369304	04/21/25	04/22/25	XLY

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND		ug/Kg	80	38	1	369304	04/21/25	04/22/25	XLY
Aroclor-1221	ND		ug/Kg	80	38	1	369304	04/21/25	04/22/25	XLY
Aroclor-1232	ND		ug/Kg	80	32	1	369304	04/21/25	04/22/25	XLY
Aroclor-1242	ND		ug/Kg	80	42	1	369304	04/21/25	04/22/25	XLY
Aroclor-1248	ND		ug/Kg	80	56	1	369304	04/21/25	04/22/25	XLY
Aroclor-1254	ND		ug/Kg	80	59	1	369304	04/21/25	04/22/25	XLY
Aroclor-1260	ND		ug/Kg	80	43	1	369304	04/21/25	04/22/25	XLY
Aroclor-1262	ND		ug/Kg	80	40	1	369304	04/21/25	04/22/25	XLY
Aroclor-1268	ND		ug/Kg	80	49	1	369304	04/21/25	04/22/25	XLY
Total PCBs	ND		ug/Kg	80		1	369304	04/21/25	04/22/25	XLY
Surrogates			Limits							
Decachlorobiphenyl (PCB)	112%		%REC	19-121		1	369304	04/21/25	04/22/25	XLY

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	160	17	10	369264	04/21/25	04/22/25	ZFA
2-Methylnaphthalene	30	J	ug/Kg	160	22	10	369264	04/21/25	04/22/25	ZFA
Naphthalene	52	J	ug/Kg	160	25	10	369264	04/21/25	04/22/25	ZFA
Acenaphthylene	ND		ug/Kg	160	18	10	369264	04/21/25	04/22/25	ZFA
Acenaphthene	ND		ug/Kg	160	12	10	369264	04/21/25	04/22/25	ZFA
Fluorene	19	J	ug/Kg	160	13	10	369264	04/21/25	04/22/25	ZFA
Phenanthrene	110	J	ug/Kg	160	26	10	369264	04/21/25	04/22/25	ZFA
Anthracene	24	J	ug/Kg	160	16	10	369264	04/21/25	04/22/25	ZFA
Fluoranthene	84	J	ug/Kg	160	23	10	369264	04/21/25	04/22/25	ZFA
Pyrene	85	J	ug/Kg	160	51	10	369264	04/21/25	04/22/25	ZFA
Benzo(a)anthracene	35	J	ug/Kg	160	12	10	369264	04/21/25	04/22/25	ZFA
Chrysene	43	J	ug/Kg	160	10	10	369264	04/21/25	04/22/25	ZFA
Benzo(b)fluoranthene	52	J	ug/Kg	160	14	10	369264	04/21/25	04/22/25	ZFA
Benzo(k)fluoranthene	ND		ug/Kg	160	21	10	369264	04/21/25	04/22/25	ZFA
Benzo(a)pyrene	28	J	ug/Kg	160	24	10	369264	04/21/25	04/22/25	ZFA
Indeno(1,2,3-cd)pyrene	23	J	ug/Kg	160	15	10	369264	04/21/25	04/22/25	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	160	16	10	369264	04/21/25	04/22/25	ZFA
Benzo(g,h,i)perylene	30	J	ug/Kg	160	20	10	369264	04/21/25	04/22/25	ZFA
Surrogates			Limits							
Nitrobenzene-d5	53%		%REC	27-125		10	369264	04/21/25	04/22/25	ZFA
2-Fluorobiphenyl	55%		%REC	30-120		10	369264	04/21/25	04/22/25	ZFA
Terphenyl-d14	61%		%REC	33-155		10	369264	04/21/25	04/22/25	ZFA

C Presence confirmed, but RPD between columns exceeds 40%

J Estimated value

ND Not Detected

Batch QC

Type: Sample Duplicate	Lab ID: QC1251274	Batch: 369549
Matrix (Source ID): Soil (531281-050)	Method: ASTM D2216	Prep Method: METHOD

QC1251274 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	6.122	5.882	%		4	20		1

Type: Sample Duplicate	Lab ID: QC1251410	Batch: 369602
Matrix (Source ID): Soil (530934-010)	Method: ASTM D2216	Prep Method: METHOD

QC1251410 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	16.08	15.37	%		5	20		1

Type: Blank	Lab ID: QC1250260	Batch: 369238
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250260 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.5	04/19/25	04/20/25
Arsenic	ND		mg/Kg	1.0	0.63	04/19/25	04/20/25
Barium	ND		mg/Kg	1.0	0.32	04/19/25	04/20/25
Beryllium	ND		mg/Kg	0.50	0.034	04/19/25	04/20/25
Cadmium	ND		mg/Kg	0.50	0.11	04/19/25	04/20/25
Chromium	ND		mg/Kg	1.0	0.28	04/19/25	04/20/25
Cobalt	ND		mg/Kg	0.50	0.27	04/19/25	04/20/25
Copper	ND		mg/Kg	1.0	0.72	04/19/25	04/20/25
Lead	ND		mg/Kg	1.0	0.75	04/19/25	04/20/25
Molybdenum	ND		mg/Kg	1.0	0.57	04/19/25	04/20/25
Nickel	ND		mg/Kg	1.0	0.31	04/19/25	04/20/25
Selenium	ND		mg/Kg	3.0	1.2	04/19/25	04/20/25
Silver	ND		mg/Kg	0.50	0.17	04/19/25	04/20/25
Thallium	ND		mg/Kg	3.0	1.1	04/19/25	04/20/25
Vanadium	ND		mg/Kg	1.0	0.16	04/19/25	04/20/25
Zinc	ND		mg/Kg	5.0	2.3	04/19/25	04/20/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1250261	Batch: 369238
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250261 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	99.38	100.0	mg/Kg	99%		80-120
Arsenic	96.89	100.0	mg/Kg	97%		80-120
Barium	103.9	100.0	mg/Kg	104%		80-120
Beryllium	100.8	100.0	mg/Kg	101%		80-120
Cadmium	100.8	100.0	mg/Kg	101%		80-120
Chromium	99.77	100.0	mg/Kg	100%		80-120
Cobalt	102.3	100.0	mg/Kg	102%		80-120
Copper	97.32	100.0	mg/Kg	97%		80-120
Lead	102.9	100.0	mg/Kg	103%		80-120
Molybdenum	96.67	100.0	mg/Kg	97%		80-120
Nickel	102.9	100.0	mg/Kg	103%		80-120
Selenium	92.11	100.0	mg/Kg	92%		80-120
Silver	47.48	50.00	mg/Kg	95%		80-120
Thallium	102.3	100.0	mg/Kg	102%		80-120
Vanadium	98.95	100.0	mg/Kg	99%		80-120
Zinc	103.0	100.0	mg/Kg	103%		80-120

Type: Matrix Spike	Lab ID: QC1250262	Batch: 369238
Matrix (Source ID): Soil (531226-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250262 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	63.77	ND	99.01	mg/Kg	64%	*	75-125	0.99
Arsenic	100.3	3.679	99.01	mg/Kg	98%		75-125	0.99
Barium	189.0	82.33	99.01	mg/Kg	108%		75-125	0.99
Beryllium	100.7	0.1708	99.01	mg/Kg	102%		75-125	0.99
Cadmium	98.54	ND	99.01	mg/Kg	100%		75-125	0.99
Chromium	107.2	8.038	99.01	mg/Kg	100%		75-125	0.99
Cobalt	125.0	21.12	99.01	mg/Kg	105%		75-125	0.99
Copper	124.7	13.88	99.01	mg/Kg	112%		75-125	0.99
Lead	103.1	3.497	99.01	mg/Kg	101%		75-125	0.99
Molybdenum	94.85	ND	99.01	mg/Kg	96%		75-125	0.99
Nickel	106.0	7.122	99.01	mg/Kg	100%		75-125	0.99
Selenium	93.05	ND	99.01	mg/Kg	94%		75-125	0.99
Silver	47.23	ND	49.50	mg/Kg	95%		75-125	0.99
Thallium	99.56	ND	99.01	mg/Kg	101%		75-125	0.99
Vanadium	126.2	23.90	99.01	mg/Kg	103%		75-125	0.99
Zinc	138.5	36.65	99.01	mg/Kg	103%		75-125	0.99

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1250263	Batch: 369238
Matrix (Source ID): Soil (531226-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250263 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	62.63	ND	95.24	mg/Kg	66%	*	75-125	2	41	0.95
Arsenic	99.40	3.679	95.24	mg/Kg	101%		75-125	3	35	0.95
Barium	196.5	82.33	95.24	mg/Kg	120%		75-125	6	20	0.95
Beryllium	99.48	0.1708	95.24	mg/Kg	104%		75-125	3	20	0.95
Cadmium	97.30	ND	95.24	mg/Kg	102%		75-125	3	20	0.95
Chromium	103.5	8.038	95.24	mg/Kg	100%		75-125	0	20	0.95
Cobalt	122.0	21.12	95.24	mg/Kg	106%		75-125	1	20	0.95
Copper	110.8	13.88	95.24	mg/Kg	102%		75-125	8	20	0.95
Lead	101.3	3.497	95.24	mg/Kg	103%		75-125	2	20	0.95
Molybdenum	93.92	ND	95.24	mg/Kg	99%		75-125	3	20	0.95
Nickel	104.4	7.122	95.24	mg/Kg	102%		75-125	2	20	0.95
Selenium	92.17	ND	95.24	mg/Kg	97%		75-125	3	20	0.95
Silver	46.47	ND	47.62	mg/Kg	98%		75-125	2	20	0.95
Thallium	98.26	ND	95.24	mg/Kg	103%		75-125	3	20	0.95
Vanadium	121.0	23.90	95.24	mg/Kg	102%		75-125	1	20	0.95
Zinc	136.8	36.65	95.24	mg/Kg	105%		75-125	2	20	0.95

Type: Post Digest Spike	Lab ID: QC1250264	Batch: 369238
Matrix (Source ID): Soil (531226-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250264 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	98.40	ND	100.0	mg/Kg	98%		75-125	1
Arsenic	102.4	3.679	100.0	mg/Kg	99%		75-125	1
Barium	184.9	82.33	100.0	mg/Kg	103%		75-125	1
Beryllium	101.6	0.1708	100.0	mg/Kg	101%		75-125	1
Cadmium	99.75	ND	100.0	mg/Kg	100%		75-125	1
Chromium	106.9	8.038	100.0	mg/Kg	99%		75-125	1
Cobalt	121.0	21.12	100.0	mg/Kg	100%		75-125	1
Copper	113.7	13.88	100.0	mg/Kg	100%		75-125	1
Lead	104.9	3.497	100.0	mg/Kg	101%		75-125	1
Molybdenum	99.30	ND	100.0	mg/Kg	99%		75-125	1
Nickel	107.4	7.122	100.0	mg/Kg	100%		75-125	1
Selenium	95.51	ND	100.0	mg/Kg	96%		75-125	1
Silver	48.33	ND	50.00	mg/Kg	97%		75-125	1
Thallium	101.3	ND	100.0	mg/Kg	101%		75-125	1
Vanadium	124.1	23.90	100.0	mg/Kg	100%		75-125	1
Zinc	139.1	36.65	100.0	mg/Kg	102%		75-125	1

Batch QC

Type: Serial Dilution	Lab ID: QC1250343	Batch: 369238
Matrix (Source ID): Soil (531226-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250343 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	ND	mg/Kg				5
Arsenic	4.465	3.679	mg/Kg	J			5
Barium	82.86	82.33	mg/Kg				5
Beryllium	ND	0.1708	mg/Kg				5
Cadmium	ND	ND	mg/Kg				5
Chromium	7.923	8.038	mg/Kg				5
Cobalt	21.23	21.12	mg/Kg				5
Copper	13.95	13.88	mg/Kg				5
Lead	ND	3.497	mg/Kg				5
Molybdenum	ND	ND	mg/Kg				5
Nickel	7.074	7.122	mg/Kg				5
Selenium	ND	ND	mg/Kg				5
Silver	ND	ND	mg/Kg				5
Thallium	ND	ND	mg/Kg				5
Vanadium	23.58	23.90	mg/Kg				5
Zinc	30.66	36.65	mg/Kg				5

Type: Blank	Lab ID: QC1250305	Batch: 369246
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250305 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.5	04/19/25	04/21/25
Arsenic	ND		mg/Kg	1.0	0.63	04/19/25	04/21/25
Barium	ND		mg/Kg	1.0	0.32	04/19/25	04/21/25
Beryllium	ND		mg/Kg	0.50	0.034	04/19/25	04/21/25
Cadmium	ND		mg/Kg	0.50	0.11	04/19/25	04/21/25
Chromium	ND		mg/Kg	1.0	0.28	04/19/25	04/21/25
Cobalt	ND		mg/Kg	0.50	0.27	04/19/25	04/21/25
Copper	ND		mg/Kg	1.0	0.72	04/19/25	04/21/25
Lead	ND		mg/Kg	1.0	0.75	04/19/25	04/21/25
Molybdenum	ND		mg/Kg	1.0	0.57	04/19/25	04/21/25
Nickel	ND		mg/Kg	1.0	0.31	04/19/25	04/21/25
Selenium	ND		mg/Kg	3.0	1.2	04/19/25	04/21/25
Silver	ND		mg/Kg	0.50	0.17	04/19/25	04/21/25
Thallium	ND		mg/Kg	3.0	1.1	04/19/25	04/21/25
Vanadium	ND		mg/Kg	1.0	0.16	04/19/25	04/21/25
Zinc	ND		mg/Kg	5.0	2.3	04/19/25	04/21/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1250306	Batch: 369246
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250306 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	96.48	100.0	mg/Kg	96%		80-120
Arsenic	94.44	100.0	mg/Kg	94%		80-120
Barium	98.75	100.0	mg/Kg	99%		80-120
Beryllium	95.84	100.0	mg/Kg	96%		80-120
Cadmium	97.70	100.0	mg/Kg	98%		80-120
Chromium	95.23	100.0	mg/Kg	95%		80-120
Cobalt	98.36	100.0	mg/Kg	98%		80-120
Copper	92.56	100.0	mg/Kg	93%		80-120
Lead	100.3	100.0	mg/Kg	100%		80-120
Molybdenum	91.97	100.0	mg/Kg	92%		80-120
Nickel	100.4	100.0	mg/Kg	100%		80-120
Selenium	92.09	100.0	mg/Kg	92%		80-120
Silver	45.75	50.00	mg/Kg	91%		80-120
Thallium	99.17	100.0	mg/Kg	99%		80-120
Vanadium	94.45	100.0	mg/Kg	94%		80-120
Zinc	104.0	100.0	mg/Kg	104%		80-120

Type: Matrix Spike	Lab ID: QC1250309	Batch: 369246
Matrix (Source ID): Soil (531252-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250309 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	25.19	ND	99.01	mg/Kg	25%	*	75-125	0.99
Arsenic	102.5	9.256	99.01	mg/Kg	94%		75-125	0.99
Barium	245.6	138.5	99.01	mg/Kg	108%		75-125	0.99
Beryllium	94.02	0.4195	99.01	mg/Kg	95%		75-125	0.99
Cadmium	92.50	0.5345	99.01	mg/Kg	93%		75-125	0.99
Chromium	119.4	26.73	99.01	mg/Kg	94%		75-125	0.99
Cobalt	103.3	9.116	99.01	mg/Kg	95%		75-125	0.99
Copper	123.7	25.02	99.01	mg/Kg	100%		75-125	0.99
Lead	133.7	46.06	99.01	mg/Kg	89%		75-125	0.99
Molybdenum	86.82	0.7476	99.01	mg/Kg	87%		75-125	0.99
Nickel	115.7	20.40	99.01	mg/Kg	96%		75-125	0.99
Selenium	90.05	ND	99.01	mg/Kg	91%		75-125	0.99
Silver	44.25	ND	49.50	mg/Kg	89%		75-125	0.99
Thallium	93.09	ND	99.01	mg/Kg	94%		75-125	0.99
Vanadium	148.7	47.38	99.01	mg/Kg	102%		75-125	0.99
Zinc	169.9	71.09	99.01	mg/Kg	100%		75-125	0.99

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1250310	Batch: 369246
Matrix (Source ID): Soil (531252-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250310 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	23.87	ND	95.24	mg/Kg	25%	*	75-125	1	41	0.95
Arsenic	98.36	9.256	95.24	mg/Kg	94%		75-125	1	35	0.95
Barium	228.6	138.5	95.24	mg/Kg	95%		75-125	6	20	0.95
Beryllium	91.35	0.4195	95.24	mg/Kg	95%		75-125	1	20	0.95
Cadmium	89.73	0.5345	95.24	mg/Kg	94%		75-125	1	20	0.95
Chromium	115.7	26.73	95.24	mg/Kg	93%		75-125	0	20	0.95
Cobalt	99.68	9.116	95.24	mg/Kg	95%		75-125	0	20	0.95
Copper	118.7	25.02	95.24	mg/Kg	98%		75-125	1	20	0.95
Lead	138.4	46.06	95.24	mg/Kg	97%		75-125	6	20	0.95
Molybdenum	84.30	0.7476	95.24	mg/Kg	88%		75-125	1	20	0.95
Nickel	111.8	20.40	95.24	mg/Kg	96%		75-125	0	20	0.95
Selenium	87.21	ND	95.24	mg/Kg	92%		75-125	1	20	0.95
Silver	43.22	ND	47.62	mg/Kg	91%		75-125	2	20	0.95
Thallium	90.44	ND	95.24	mg/Kg	95%		75-125	1	20	0.95
Vanadium	145.0	47.38	95.24	mg/Kg	103%		75-125	0	20	0.95
Zinc	164.7	71.09	95.24	mg/Kg	98%		75-125	1	20	0.95

Type: Post Digest Spike	Lab ID: QC1250311	Batch: 369246
Matrix (Source ID): Soil (531252-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250311 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	84.49	ND	95.24	mg/Kg	89%		75-125	0.95
Arsenic	94.46	9.256	95.24	mg/Kg	89%		75-125	0.95
Barium	223.6	138.5	95.24	mg/Kg	89%		75-125	0.95
Beryllium	86.57	0.4195	95.24	mg/Kg	90%		75-125	0.95
Cadmium	85.28	0.5345	95.24	mg/Kg	89%		75-125	0.95
Chromium	110.1	26.73	95.24	mg/Kg	88%		75-125	0.95
Cobalt	94.14	9.116	95.24	mg/Kg	89%		75-125	0.95
Copper	113.1	25.02	95.24	mg/Kg	92%		75-125	0.95
Lead	132.0	46.06	95.24	mg/Kg	90%		75-125	0.95
Molybdenum	85.26	0.7476	95.24	mg/Kg	89%		75-125	0.95
Nickel	106.0	20.40	95.24	mg/Kg	90%		75-125	0.95
Selenium	85.64	ND	95.24	mg/Kg	90%		75-125	0.95
Silver	42.52	ND	47.62	mg/Kg	89%		75-125	0.95
Thallium	86.58	ND	95.24	mg/Kg	91%		75-125	0.95
Vanadium	132.8	47.38	95.24	mg/Kg	90%		75-125	0.95
Zinc	159.3	71.09	95.24	mg/Kg	93%		75-125	0.95

Batch QC

Type: Serial Dilution	Lab ID: QC1250494	Batch: 369246
Matrix (Source ID): Soil (531252-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250494 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	ND	mg/Kg				4.8
Arsenic	10.61	9.256	mg/Kg				4.8
Barium	140.9	138.5	mg/Kg				4.8
Beryllium	0.4162	0.4195	mg/Kg	J			4.8
Cadmium	ND	0.5345	mg/Kg				4.8
Chromium	27.17	26.73	mg/Kg				4.8
Cobalt	9.304	9.116	mg/Kg				4.8
Copper	24.18	25.02	mg/Kg				4.8
Lead	47.34	46.06	mg/Kg				4.8
Molybdenum	ND	0.7476	mg/Kg				4.8
Nickel	20.78	20.40	mg/Kg				4.8
Selenium	ND	ND	mg/Kg				4.8
Silver	ND	ND	mg/Kg				4.8
Thallium	ND	ND	mg/Kg				4.8
Vanadium	47.86	47.38	mg/Kg				4.8
Zinc	68.43	71.09	mg/Kg				4.8

Type: Blank	Lab ID: QC1250307	Batch: 369247
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250307 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.5	04/19/25	04/21/25
Arsenic	ND		mg/Kg	1.0	0.70	04/19/25	04/21/25
Barium	ND		mg/Kg	1.0	0.32	04/19/25	04/21/25
Beryllium	ND		mg/Kg	0.50	0.034	04/19/25	04/21/25
Cadmium	ND		mg/Kg	0.50	0.074	04/19/25	04/21/25
Chromium	ND		mg/Kg	1.0	0.30	04/19/25	04/21/25
Cobalt	ND		mg/Kg	0.50	0.26	04/19/25	04/21/25
Copper	ND		mg/Kg	1.0	0.76	04/19/25	04/21/25
Lead	ND		mg/Kg	1.0	0.71	04/19/25	04/21/25
Molybdenum	ND		mg/Kg	1.0	0.54	04/19/25	04/21/25
Nickel	ND		mg/Kg	1.0	0.34	04/19/25	04/21/25
Selenium	ND		mg/Kg	3.0	1.2	04/19/25	04/21/25
Silver	ND		mg/Kg	0.50	0.17	04/19/25	04/21/25
Thallium	ND		mg/Kg	3.0	1.1	04/19/25	04/21/25
Vanadium	ND		mg/Kg	1.0	0.16	04/19/25	04/21/25
Zinc	ND		mg/Kg	5.0	2.3	04/19/25	04/21/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1250308	Batch: 369247
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250308 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	98.92	100.0	mg/Kg	99%		80-120
Arsenic	98.85	100.0	mg/Kg	99%		80-120
Barium	102.6	100.0	mg/Kg	103%		80-120
Beryllium	99.84	100.0	mg/Kg	100%		80-120
Cadmium	99.54	100.0	mg/Kg	100%		80-120
Chromium	98.47	100.0	mg/Kg	98%		80-120
Cobalt	102.2	100.0	mg/Kg	102%		80-120
Copper	93.90	100.0	mg/Kg	94%		80-120
Lead	103.1	100.0	mg/Kg	103%		80-120
Molybdenum	97.10	100.0	mg/Kg	97%		80-120
Nickel	101.9	100.0	mg/Kg	102%		80-120
Selenium	95.23	100.0	mg/Kg	95%		80-120
Silver	48.39	50.00	mg/Kg	97%		80-120
Thallium	101.4	100.0	mg/Kg	101%		80-120
Vanadium	98.82	100.0	mg/Kg	99%		80-120
Zinc	99.96	100.0	mg/Kg	100%		80-120

Type: Matrix Spike	Lab ID: QC1250312	Batch: 369247
Matrix (Source ID): Soil (531379-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250312 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	49.00	ND	100.0	mg/Kg	49%	*	75-125	1
Arsenic	103.5	6.437	100.0	mg/Kg	97%		75-125	1
Barium	183.6	111.6	100.0	mg/Kg	72%	*	75-125	1
Beryllium	100.9	0.5340	100.0	mg/Kg	100%		75-125	1
Cadmium	98.75	0.1792	100.0	mg/Kg	99%		75-125	1
Chromium	148.1	61.84	100.0	mg/Kg	86%		75-125	1
Cobalt	115.7	11.61	100.0	mg/Kg	104%		75-125	1
Copper	115.6	17.02	100.0	mg/Kg	99%		75-125	1
Lead	128.0	11.60	100.0	mg/Kg	116%		75-125	1
Molybdenum	94.90	0.8999	100.0	mg/Kg	94%		75-125	1
Nickel	135.4	35.77	100.0	mg/Kg	100%		75-125	1
Selenium	96.02	ND	100.0	mg/Kg	96%		75-125	1
Silver	49.24	ND	50.00	mg/Kg	98%		75-125	1
Thallium	100.4	ND	100.0	mg/Kg	100%		75-125	1
Vanadium	156.5	63.81	100.0	mg/Kg	93%		75-125	1
Zinc	145.0	58.01	100.0	mg/Kg	87%		75-125	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1250313	Batch: 369247
Matrix (Source ID): Soil (531379-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250313 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	46.44	ND	100.0	mg/Kg	46%	*	75-125	5	41	1
Arsenic	102.2	6.437	100.0	mg/Kg	96%		75-125	1	35	1
Barium	199.3	111.6	100.0	mg/Kg	88%		75-125	8	20	1
Beryllium	100.4	0.5340	100.0	mg/Kg	100%		75-125	0	20	1
Cadmium	97.91	0.1792	100.0	mg/Kg	98%		75-125	1	20	1
Chromium	149.2	61.84	100.0	mg/Kg	87%		75-125	1	20	1
Cobalt	114.4	11.61	100.0	mg/Kg	103%		75-125	1	20	1
Copper	115.0	17.02	100.0	mg/Kg	98%		75-125	1	20	1
Lead	130.9	11.60	100.0	mg/Kg	119%		75-125	2	20	1
Molybdenum	93.96	0.8999	100.0	mg/Kg	93%		75-125	1	20	1
Nickel	133.3	35.77	100.0	mg/Kg	98%		75-125	2	20	1
Selenium	94.96	ND	100.0	mg/Kg	95%		75-125	1	20	1
Silver	49.12	ND	50.00	mg/Kg	98%		75-125	0	20	1
Thallium	99.32	ND	100.0	mg/Kg	99%		75-125	1	20	1
Vanadium	161.2	63.81	100.0	mg/Kg	97%		75-125	3	20	1
Zinc	138.9	58.01	100.0	mg/Kg	81%		75-125	4	20	1

Type: Post Digest Spike	Lab ID: QC1250314	Batch: 369247
Matrix (Source ID): Soil (531379-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250314 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	91.16	ND	95.24	mg/Kg	96%		75-125	0.95
Arsenic	95.39	6.437	95.24	mg/Kg	93%		75-125	0.95
Barium	199.9	111.6	95.24	mg/Kg	93%		75-125	0.95
Beryllium	89.74	0.5340	95.24	mg/Kg	94%		75-125	0.95
Cadmium	87.37	0.1792	95.24	mg/Kg	92%		75-125	0.95
Chromium	147.4	61.84	95.24	mg/Kg	90%		75-125	0.95
Cobalt	101.1	11.61	95.24	mg/Kg	94%		75-125	0.95
Copper	106.4	17.02	95.24	mg/Kg	94%		75-125	0.95
Lead	101.5	11.60	95.24	mg/Kg	94%		75-125	0.95
Molybdenum	89.44	0.8999	95.24	mg/Kg	93%		75-125	0.95
Nickel	124.1	35.77	95.24	mg/Kg	93%		75-125	0.95
Selenium	86.34	ND	95.24	mg/Kg	91%		75-125	0.95
Silver	44.35	ND	47.62	mg/Kg	93%		75-125	0.95
Thallium	88.90	ND	95.24	mg/Kg	93%		75-125	0.95
Vanadium	151.6	63.81	95.24	mg/Kg	92%		75-125	0.95
Zinc	143.5	58.01	95.24	mg/Kg	90%		75-125	0.95

Batch QC

Type: Serial Dilution	Lab ID: QC1250495	Batch: 369247
Matrix (Source ID): Soil (531379-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1250495 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	ND	mg/Kg				4.8
Arsenic	7.172	6.437	mg/Kg				4.8
Barium	116.0	111.6	mg/Kg				4.8
Beryllium	0.4867	0.5340	mg/Kg	J			4.8
Cadmium	ND	0.1792	mg/Kg				4.8
Chromium	63.61	61.84	mg/Kg				4.8
Cobalt	11.88	11.61	mg/Kg				4.8
Copper	15.85	17.02	mg/Kg				4.8
Lead	11.11	11.60	mg/Kg				4.8
Molybdenum	ND	0.8999	mg/Kg				4.8
Nickel	36.71	35.77	mg/Kg				4.8
Selenium	ND	ND	mg/Kg				4.8
Silver	ND	ND	mg/Kg				4.8
Thallium	ND	ND	mg/Kg				4.8
Vanadium	64.62	63.81	mg/Kg				4.8
Zinc	61.17	58.01	mg/Kg				4.8

Type: Blank	Lab ID: QC1250458	Batch: 369294
Matrix: Soil	Method: EPA 7471A	Prep Method: EPA 7471A

QC1250458 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.051	04/21/25	04/21/25

Type: Lab Control Sample	Lab ID: QC1250459	Batch: 369294
Matrix: Soil	Method: EPA 7471A	Prep Method: EPA 7471A

QC1250459 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7526	0.8333	mg/Kg	90%		80-120

Type: Matrix Spike	Lab ID: QC1250460	Batch: 369294
Matrix (Source ID): Soil (531247-001)	Method: EPA 7471A	Prep Method: EPA 7471A

QC1250460 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8916	ND	0.9804	mg/Kg	91%		75-125	1.2

Type: Matrix Spike Duplicate	Lab ID: QC1250461	Batch: 369294
Matrix (Source ID): Soil (531247-001)	Method: EPA 7471A	Prep Method: EPA 7471A

QC1250461 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8177	ND	0.9091	mg/Kg	90%		75-125	1	20	1.1

Batch QC

Type: Blank	Lab ID: QC1250454	Batch: 369293
Matrix: Soil	Method: EPA 7471A	Prep Method: EPA 7471A

QC1250454 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.051	04/21/25	04/21/25

Type: Lab Control Sample	Lab ID: QC1250455	Batch: 369293
Matrix: Soil	Method: EPA 7471A	Prep Method: EPA 7471A

QC1250455 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8272	0.8333	mg/Kg	99%		80-120

Type: Matrix Spike	Lab ID: QC1250456	Batch: 369293
Matrix (Source ID): Miscell. (531258-001)	Method: EPA 7471A	Prep Method: EPA 7471A

QC1250456 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1.247	1.559	1.000	mg/Kg	-31%	*	75-125	1.2

Type: Matrix Spike Duplicate	Lab ID: QC1250457	Batch: 369293
Matrix (Source ID): Miscell. (531258-001)	Method: EPA 7471A	Prep Method: EPA 7471A

QC1250457 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.722	1.559	1.000	mg/Kg	16%	*	75-125	32*	20	1.2

Type: Blank	Lab ID: QC1250371	Batch: 369262
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1250371 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	10	3.6	04/20/25	04/23/25
DRO C10-C28	ND		mg/Kg	10	3.6	04/20/25	04/23/25
ORO C28-C44	ND		mg/Kg	20	3.6	04/20/25	04/23/25
Surrogates	Limits						
n-Triacontane	106%		%REC	70-130		04/20/25	04/23/25

Type: Lab Control Sample	Lab ID: QC1250372	Batch: 369262
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1250372 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	210.0	248.8	mg/Kg	84%		76-122
Surrogates						
n-Triacontane	9.180	9.950	mg/Kg	92%		70-130

Batch QC

Type: Matrix Spike	Lab ID: QC1250373	Batch: 369262
Matrix (Source ID): Soil (531381-001)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1250373 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	202.4	ND	248.3	mg/Kg	82%		62-126	0.99
Surrogates								
n-Triacontane	9.535		9.930	mg/Kg	96%		70-130	0.99

Type: Matrix Spike Duplicate	Lab ID: QC1250374	Batch: 369262
Matrix (Source ID): Soil (531381-001)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1250374 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	187.3	ND	248.0	mg/Kg	76%		62-126	8	35	0.99
Surrogates										
n-Triacontane	9.088		9.921	mg/Kg	92%		70-130			0.99

Type: Blank	Lab ID: QC1250335	Batch: 369253
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580M

QC1250335 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	9.9	3.6	04/20/25	04/23/25
DRO C10-C28	ND		mg/Kg	9.9	3.6	04/20/25	04/23/25
ORO C28-C44	ND		mg/Kg	20	3.6	04/20/25	04/23/25
Surrogates							
				Limits			
n-Triacontane	90%		%REC	70-130		04/20/25	04/23/25

Type: Lab Control Sample	Lab ID: QC1250336	Batch: 369253
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580M

QC1250336 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	212.1	248.8	mg/Kg	85%		76-122
Surrogates						
n-Triacontane	8.104	9.950	mg/Kg	81%		70-130

Type: Matrix Spike	Lab ID: QC1250337	Batch: 369253
Matrix (Source ID): Miscell. (531271-001)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1250337 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	2,600	2327	249.5	mg/Kg	110%	E,NM	62-126	1
Surrogates								
n-Triacontane	13.03		9.980	mg/Kg	131%	*	70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1250338	Batch: 369253
Matrix (Source ID): Miscell. (531271-001)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1250338 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	707.6	2327	247.6	mg/Kg	-654%	NM	62-126		35	0.99
Surrogates										
n-Triacontane	9.697		9.906	mg/Kg	98%		70-130			0.99

Batch QC

Type: Blank
Matrix: Soil

Lab ID: QC1250496

Batch: 369304

QC1250496 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.0	2.0	04/21/25	04/21/25
beta-BHC	ND		ug/Kg	5.0	1.9	04/21/25	04/21/25
gamma-BHC	ND		ug/Kg	5.0	1.7	04/21/25	04/21/25
delta-BHC	ND		ug/Kg	5.0	2.4	04/21/25	04/21/25
Heptachlor	ND		ug/Kg	5.0	1.9	04/21/25	04/21/25
Aldrin	ND		ug/Kg	5.0	2.3	04/21/25	04/21/25
Heptachlor epoxide	ND		ug/Kg	5.0	2.1	04/21/25	04/21/25
Endosulfan I	ND		ug/Kg	5.0	2.2	04/21/25	04/21/25
Dieldrin	ND		ug/Kg	5.0	3.1	04/21/25	04/21/25
4,4'-DDE	ND		ug/Kg	5.0	3.2	04/21/25	04/21/25
Endrin	ND		ug/Kg	5.0	2.0	04/21/25	04/21/25
Endosulfan II	ND		ug/Kg	5.0	2.0	04/21/25	04/21/25
Endosulfan sulfate	ND		ug/Kg	5.0	3.2	04/21/25	04/21/25
4,4'-DDD	ND		ug/Kg	5.0	1.6	04/21/25	04/21/25
Endrin aldehyde	ND		ug/Kg	5.0	3.6	04/21/25	04/21/25
Endrin ketone	ND		ug/Kg	5.0	2.1	04/21/25	04/21/25
4,4'-DDT	ND		ug/Kg	5.0	2.0	04/21/25	04/21/25
Methoxychlor	ND		ug/Kg	10	3.8	04/21/25	04/21/25
Toxaphene	ND		ug/Kg	100	87	04/21/25	04/21/25
Chlordane (Technical)	ND		ug/Kg	50	39	04/21/25	04/21/25
Surrogates				Limits			
TCMX	80%		%REC	23-120		04/21/25	04/21/25
Decachlorobiphenyl	88%		%REC	24-120		04/21/25	04/21/25
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	50	24	04/21/25	04/21/25
Aroclor-1221	ND		ug/Kg	50	24	04/21/25	04/21/25
Aroclor-1232	ND		ug/Kg	50	20	04/21/25	04/21/25
Aroclor-1242	ND		ug/Kg	50	26	04/21/25	04/21/25
Aroclor-1248	ND		ug/Kg	50	35	04/21/25	04/21/25
Aroclor-1254	ND		ug/Kg	50	37	04/21/25	04/21/25
Aroclor-1260	ND		ug/Kg	50	27	04/21/25	04/21/25
Aroclor-1262	ND		ug/Kg	50	25	04/21/25	04/21/25
Aroclor-1268	ND		ug/Kg	50	31	04/21/25	04/21/25
Total PCBs	ND		ug/Kg	50		04/21/25	04/21/25
Surrogates				Limits			
Decachlorobiphenyl (PCB)	95%		%REC	19-121		04/21/25	04/21/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1250497	Batch: 369304
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546

QC1250497 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	43.85	50.51	ug/Kg	87%		22-129
beta-BHC	45.02	50.51	ug/Kg	89%		28-125
gamma-BHC	45.22	50.51	ug/Kg	90%		22-128
delta-BHC	47.15	50.51	ug/Kg	93%		24-131
Heptachlor	42.53	50.51	ug/Kg	84%		18-124
Aldrin	38.63	50.51	ug/Kg	76%		23-120
Heptachlor epoxide	41.20	50.51	ug/Kg	82%		26-120
Endosulfan I	44.70	50.51	ug/Kg	89%		25-126
Dieldrin	43.16	50.51	ug/Kg	85%		23-124
4,4'-DDE	44.92	50.51	ug/Kg	89%		28-121
Endrin	46.68	50.51	ug/Kg	92%		25-127
Endosulfan II	46.55	50.51	ug/Kg	92%		29-121
Endosulfan sulfate	48.40	50.51	ug/Kg	96%		30-121
4,4'-DDD	44.02	50.51	ug/Kg	87%		26-120
Endrin aldehyde	42.45	50.51	ug/Kg	84%		10-120
Endrin ketone	47.80	50.51	ug/Kg	95%		28-125
4,4'-DDT	46.55	50.51	ug/Kg	92%		22-125
Methoxychlor	51.84	50.51	ug/Kg	103%		28-130
Surrogates						
TCMX	41.42	50.51	ug/Kg	82%		23-120
Decachlorobiphenyl	44.40	50.51	ug/Kg	88%		24-120

Batch QC

Type: Matrix Spike	Lab ID: QC1250514	Batch: 369304
Matrix (Source ID): Soil (530940-017)	Method: EPA 8081A	Prep Method: EPA 3546

QC1250514 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	41.35	ND	50.51	ug/Kg	82%		46-120	1
beta-BHC	42.99	ND	50.51	ug/Kg	85%		41-120	1
gamma-BHC	42.12	ND	50.51	ug/Kg	83%		41-120	1
delta-BHC	43.86	ND	50.51	ug/Kg	87%		38-123	1
Heptachlor	40.89	ND	50.51	ug/Kg	81%		39-120	1
Aldrin	38.37	ND	50.51	ug/Kg	76%		34-120	1
Heptachlor epoxide	38.88	ND	50.51	ug/Kg	77%		43-120	1
Endosulfan I	41.08	ND	50.51	ug/Kg	81%		45-120	1
Dieldrin	41.12	ND	50.51	ug/Kg	81%		45-120	1
4,4'-DDE	45.00	ND	50.51	ug/Kg	89%		34-120	1
Endrin	44.21	ND	50.51	ug/Kg	88%		40-120	1
Endosulfan II	43.07	ND	50.51	ug/Kg	85%		41-120	1
Endosulfan sulfate	44.76	ND	50.51	ug/Kg	89%		42-120	1
4,4'-DDD	39.87	ND	50.51	ug/Kg	79%		41-120	1
Endrin aldehyde	38.32	ND	50.51	ug/Kg	76%		30-120	1
Endrin ketone	43.77	ND	50.51	ug/Kg	87%		45-120	1
4,4'-DDT	47.53	ND	50.51	ug/Kg	94%		35-127	1
Methoxychlor	47.96	ND	50.51	ug/Kg	95%		42-136	1
Surrogates								
TCMX	39.75		50.51	ug/Kg	79%		23-120	1
Decachlorobiphenyl	41.72		50.51	ug/Kg	83%		24-120	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1250515	Batch: 369304
Matrix (Source ID): Soil (530940-017)	Method: EPA 8081A	Prep Method: EPA 3546

QC1250515 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	38.60	ND	49.50	ug/Kg	78%		46-120	5	30	0.99
beta-BHC	41.34	ND	49.50	ug/Kg	83%		41-120	2	30	0.99
gamma-BHC	39.83	ND	49.50	ug/Kg	80%		41-120	4	30	0.99
delta-BHC	41.45	ND	49.50	ug/Kg	84%		38-123	4	30	0.99
Heptachlor	37.90	ND	49.50	ug/Kg	77%		39-120	6	30	0.99
Aldrin	35.97	ND	49.50	ug/Kg	73%		34-120	4	30	0.99
Heptachlor epoxide	36.35	ND	49.50	ug/Kg	73%		43-120	5	30	0.99
Endosulfan I	37.27	ND	49.50	ug/Kg	75%		45-120	8	30	0.99
Dieldrin	38.04	ND	49.50	ug/Kg	77%		45-120	6	30	0.99
4,4'-DDE	41.74	ND	49.50	ug/Kg	84%		34-120	6	30	0.99
Endrin	40.80	ND	49.50	ug/Kg	82%		40-120	6	30	0.99
Endosulfan II	40.34	ND	49.50	ug/Kg	81%		41-120	5	30	0.99
Endosulfan sulfate	41.62	ND	49.50	ug/Kg	84%		42-120	5	30	0.99
4,4'-DDD	37.32	ND	49.50	ug/Kg	75%		41-120	5	30	0.99
Endrin aldehyde	36.25	ND	49.50	ug/Kg	73%		30-120	4	30	0.99
Endrin ketone	40.94	ND	49.50	ug/Kg	83%		45-120	5	30	0.99
4,4'-DDT	42.96	ND	49.50	ug/Kg	87%		35-127	8	30	0.99
Methoxychlor	44.03	ND	49.50	ug/Kg	89%		42-136	7	30	0.99
Surrogates										
TCMX	37.96		49.50	ug/Kg	77%		23-120			0.99
Decachlorobiphenyl	39.18		49.50	ug/Kg	79%		24-120			0.99

Type: Lab Control Sample	Lab ID: QC1250516	Batch: 369304
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1250516 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	424.0	510.2	ug/Kg	83%		14-150
Aroclor-1260	437.7	510.2	ug/Kg	86%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	46.36	51.02	ug/Kg	91%		19-121

Type: Matrix Spike	Lab ID: QC1250518	Batch: 369304
Matrix (Source ID): Soil (531002-001)	Method: EPA 8082	Prep Method: EPA 3546

QC1250518 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	472.7	ND	510.2	ug/Kg	93%		42-127	1
Aroclor-1260	442.5	ND	510.2	ug/Kg	87%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	48.66		51.02	ug/Kg	95%		19-121	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1250519	Batch: 369304
Matrix (Source ID): Soil (531002-001)	Method: EPA 8082	Prep Method: EPA 3546

QC1250519 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	425.5	ND	505.1	ug/Kg	84%		42-127	10	30	1
Aroclor-1260	428.6	ND	505.1	ug/Kg	85%		38-130	2	30	1
Surrogates										
Decachlorobiphenyl (PCB)	45.15		50.51	ug/Kg	89%		19-121			1

Type: Lab Control Sample	Lab ID: QC1251148	Batch: 369511
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1251148 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	48.50	50.00	ug/Kg	97%		70-131
MTBE	42.23	50.00	ug/Kg	84%		69-130
Benzene	46.63	50.00	ug/Kg	93%		70-130
Trichloroethene	36.80	50.00	ug/Kg	74%		70-130
Toluene	43.52	50.00	ug/Kg	87%		70-130
Chlorobenzene	42.96	50.00	ug/Kg	86%		70-130
Surrogates						
Dibromofluoromethane	54.31	50.00	ug/Kg	109%		70-130
1,2-Dichloroethane-d4	61.15	50.00	ug/Kg	122%		70-145
Toluene-d8	49.87	50.00	ug/Kg	100%		70-145
Bromofluorobenzene	52.38	50.00	ug/Kg	105%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1251149	Batch: 369511
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1251149 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	49.39	50.00	ug/Kg	99%		70-131	2	33
MTBE	44.17	50.00	ug/Kg	88%		69-130	4	30
Benzene	47.17	50.00	ug/Kg	94%		70-130	1	30
Trichloroethene	39.23	50.00	ug/Kg	78%		70-130	6	30
Toluene	44.11	50.00	ug/Kg	88%		70-130	1	30
Chlorobenzene	43.27	50.00	ug/Kg	87%		70-130	1	30
Surrogates								
Dibromofluoromethane	53.77	50.00	ug/Kg	108%		70-130		
1,2-Dichloroethane-d4	61.22	50.00	ug/Kg	122%		70-145		
Toluene-d8	49.42	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	51.50	50.00	ug/Kg	103%		70-145		

Batch QC

Type: Blank	Lab ID: QC1251152	Batch: 369511
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1251152 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	1.2	04/23/25	04/23/25
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.4	04/23/25	04/23/25
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.6	04/23/25	04/23/25
Freon 12	ND		ug/Kg	5.0	2.6	04/23/25	04/23/25
Chloromethane	ND		ug/Kg	5.0	3.5	04/23/25	04/23/25
Vinyl Chloride	ND		ug/Kg	5.0	3.6	04/23/25	04/23/25
Bromomethane	ND		ug/Kg	5.0	2.2	04/23/25	04/23/25
Chloroethane	ND		ug/Kg	5.0	3.8	04/23/25	04/23/25
Trichlorofluoromethane	ND		ug/Kg	5.0	3.2	04/23/25	04/23/25
Acetone	ND		ug/Kg	100	45	04/23/25	04/23/25
Freon 113	ND		ug/Kg	5.0	1.3	04/23/25	04/23/25
1,1-Dichloroethene	ND		ug/Kg	5.0	1.4	04/23/25	04/23/25
Methylene Chloride	ND		ug/Kg	5.0	4.8	04/23/25	04/23/25
MTBE	ND		ug/Kg	5.0	1.1	04/23/25	04/23/25
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.7	04/23/25	04/23/25
1,1-Dichloroethane	ND		ug/Kg	5.0	1.4	04/23/25	04/23/25
2-Butanone	ND		ug/Kg	100	7.4	04/23/25	04/23/25
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	04/23/25	04/23/25
2,2-Dichloropropane	ND		ug/Kg	5.0	0.8	04/23/25	04/23/25
Chloroform	ND		ug/Kg	5.0	0.7	04/23/25	04/23/25
Bromochloromethane	ND		ug/Kg	5.0	0.7	04/23/25	04/23/25
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.8	04/23/25	04/23/25
1,1-Dichloropropene	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25
Carbon Tetrachloride	ND		ug/Kg	5.0	0.8	04/23/25	04/23/25
1,2-Dichloroethane	ND		ug/Kg	5.0	0.7	04/23/25	04/23/25
Benzene	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25
Trichloroethene	ND		ug/Kg	5.0	0.9	04/23/25	04/23/25
1,2-Dichloropropane	ND		ug/Kg	5.0	1.2	04/23/25	04/23/25
Bromodichloromethane	ND		ug/Kg	5.0	1.2	04/23/25	04/23/25
Dibromomethane	ND		ug/Kg	5.0	1.1	04/23/25	04/23/25
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.2	04/23/25	04/23/25
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.9	04/23/25	04/23/25
Toluene	ND		ug/Kg	5.0	0.9	04/23/25	04/23/25
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.5	04/23/25	04/23/25
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	04/23/25	04/23/25
Tetrachloroethene	ND		ug/Kg	5.0	1.3	04/23/25	04/23/25
Dibromochloromethane	ND		ug/Kg	5.0	1.1	04/23/25	04/23/25
1,2-Dibromoethane	ND		ug/Kg	5.0	0.6	04/23/25	04/23/25
Chlorobenzene	ND		ug/Kg	5.0	1.1	04/23/25	04/23/25
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25
Ethylbenzene	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25
m,p-Xylenes	ND		ug/Kg	10	2.0	04/23/25	04/23/25
o-Xylene	ND		ug/Kg	5.0	0.6	04/23/25	04/23/25
Styrene	ND		ug/Kg	5.0	0.7	04/23/25	04/23/25
Bromoform	ND		ug/Kg	5.0	0.9	04/23/25	04/23/25
Isopropylbenzene	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25

Batch QC

QC1251152 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	04/23/25	04/23/25
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25
Propylbenzene	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25
Bromobenzene	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25
2-Chlorotoluene	ND		ug/Kg	5.0	0.9	04/23/25	04/23/25
4-Chlorotoluene	ND		ug/Kg	5.0	0.8	04/23/25	04/23/25
tert-Butylbenzene	ND		ug/Kg	5.0	0.9	04/23/25	04/23/25
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.8	04/23/25	04/23/25
sec-Butylbenzene	ND		ug/Kg	5.0	1.1	04/23/25	04/23/25
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.9	04/23/25	04/23/25
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.7	04/23/25	04/23/25
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.8	04/23/25	04/23/25
n-Butylbenzene	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.7	04/23/25	04/23/25
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.8	04/23/25	04/23/25
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.3	04/23/25	04/23/25
Hexachlorobutadiene	ND		ug/Kg	5.0	1.0	04/23/25	04/23/25
Naphthalene	ND		ug/Kg	5.0	1.1	04/23/25	04/23/25
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1.1	04/23/25	04/23/25
Xylene (total)	ND		ug/Kg	5.0		04/23/25	04/23/25
Surrogates	Limits						
Dibromofluoromethane	100%		%REC	70-130		04/23/25	04/23/25
1,2-Dichloroethane-d4	126%		%REC	70-145		04/23/25	04/23/25
Toluene-d8	98%		%REC	70-145		04/23/25	04/23/25
Bromofluorobenzene	103%		%REC	70-145		04/23/25	04/23/25

Batch QC

Type: Blank	Lab ID: QC1251153	Batch: 369511
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1251153 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	35	04/23/25	04/23/25
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	72	04/23/25	04/23/25
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	62	04/23/25	04/23/25
Freon 12	ND		ug/Kg	250	95	04/23/25	04/23/25
Chloromethane	ND		ug/Kg	250	110	04/23/25	04/23/25
Vinyl Chloride	ND		ug/Kg	250	16	04/23/25	04/23/25
Bromomethane	ND		ug/Kg	250	180	04/23/25	04/23/25
Chloroethane	ND		ug/Kg	270	270	04/23/25	04/23/25
Trichlorofluoromethane	ND		ug/Kg	250	55	04/23/25	04/23/25
Acetone	ND		ug/Kg	5,000	3,600	04/23/25	04/23/25
Freon 113	ND		ug/Kg	250	30	04/23/25	04/23/25
1,1-Dichloroethene	ND		ug/Kg	250	29	04/23/25	04/23/25
Methylene Chloride	ND		ug/Kg	860	860	04/23/25	04/23/25
MTBE	ND		ug/Kg	250	91	04/23/25	04/23/25
trans-1,2-Dichloroethene	ND		ug/Kg	250	28	04/23/25	04/23/25
1,1-Dichloroethane	ND		ug/Kg	250	65	04/23/25	04/23/25
2-Butanone	ND		ug/Kg	5,000	120	04/23/25	04/23/25
cis-1,2-Dichloroethene	ND		ug/Kg	250	33	04/23/25	04/23/25
2,2-Dichloropropane	ND		ug/Kg	250	44	04/23/25	04/23/25
Chloroform	ND		ug/Kg	250	81	04/23/25	04/23/25
Bromochloromethane	ND		ug/Kg	250	83	04/23/25	04/23/25
1,1,1-Trichloroethane	ND		ug/Kg	250	62	04/23/25	04/23/25
1,1-Dichloropropene	ND		ug/Kg	250	62	04/23/25	04/23/25
Carbon Tetrachloride	ND		ug/Kg	250	64	04/23/25	04/23/25
1,2-Dichloroethane	ND		ug/Kg	250	100	04/23/25	04/23/25
Benzene	ND		ug/Kg	250	17	04/23/25	04/23/25
Trichloroethene	ND		ug/Kg	250	16	04/23/25	04/23/25
1,2-Dichloropropane	ND		ug/Kg	250	31	04/23/25	04/23/25
Bromodichloromethane	ND		ug/Kg	250	54	04/23/25	04/23/25
Dibromomethane	ND		ug/Kg	250	63	04/23/25	04/23/25
4-Methyl-2-Pentanone	ND		ug/Kg	250	110	04/23/25	04/23/25
cis-1,3-Dichloropropene	ND		ug/Kg	250	87	04/23/25	04/23/25
Toluene	ND		ug/Kg	250	45	04/23/25	04/23/25
trans-1,3-Dichloropropene	ND		ug/Kg	250	89	04/23/25	04/23/25
1,1,2-Trichloroethane	ND		ug/Kg	250	59	04/23/25	04/23/25
1,3-Dichloropropane	ND		ug/Kg	250	41	04/23/25	04/23/25
Tetrachloroethene	ND		ug/Kg	250	17	04/23/25	04/23/25
Dibromochloromethane	ND		ug/Kg	250	91	04/23/25	04/23/25
1,2-Dibromoethane	ND		ug/Kg	250	58	04/23/25	04/23/25
Chlorobenzene	ND		ug/Kg	250	57	04/23/25	04/23/25
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	67	04/23/25	04/23/25
Ethylbenzene	ND		ug/Kg	250	51	04/23/25	04/23/25
m,p-Xylenes	ND		ug/Kg	500	38	04/23/25	04/23/25
o-Xylene	ND		ug/Kg	250	45	04/23/25	04/23/25
Styrene	ND		ug/Kg	250	51	04/23/25	04/23/25
Bromoform	ND		ug/Kg	250	140	04/23/25	04/23/25
Isopropylbenzene	ND		ug/Kg	250	56	04/23/25	04/23/25

Batch QC

QC1251153 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	43	04/23/25	04/23/25
1,2,3-Trichloropropane	ND		ug/Kg	250	52	04/23/25	04/23/25
Propylbenzene	ND		ug/Kg	250	42	04/23/25	04/23/25
Bromobenzene	ND		ug/Kg	250	76	04/23/25	04/23/25
1,3,5-Trimethylbenzene	ND		ug/Kg	250	46	04/23/25	04/23/25
2-Chlorotoluene	ND		ug/Kg	250	45	04/23/25	04/23/25
4-Chlorotoluene	ND		ug/Kg	250	42	04/23/25	04/23/25
tert-Butylbenzene	ND		ug/Kg	250	52	04/23/25	04/23/25
1,2,4-Trimethylbenzene	ND		ug/Kg	250	45	04/23/25	04/23/25
sec-Butylbenzene	ND		ug/Kg	250	48	04/23/25	04/23/25
para-Isopropyl Toluene	ND		ug/Kg	250	54	04/23/25	04/23/25
1,3-Dichlorobenzene	ND		ug/Kg	250	62	04/23/25	04/23/25
1,4-Dichlorobenzene	ND		ug/Kg	250	61	04/23/25	04/23/25
n-Butylbenzene	ND		ug/Kg	250	36	04/23/25	04/23/25
1,2-Dichlorobenzene	ND		ug/Kg	250	64	04/23/25	04/23/25
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	74	04/23/25	04/23/25
1,2,4-Trichlorobenzene	ND		ug/Kg	250	51	04/23/25	04/23/25
Hexachlorobutadiene	ND		ug/Kg	250	82	04/23/25	04/23/25
Naphthalene	ND		ug/Kg	250	130	04/23/25	04/23/25
1,2,3-Trichlorobenzene	ND		ug/Kg	250	35	04/23/25	04/23/25
Xylene (total)	ND		ug/Kg	250		04/23/25	04/23/25
Surrogates	Limits						
Dibromofluoromethane	97%		%REC	70-130		04/23/25	04/23/25
1,2-Dichloroethane-d4	122%		%REC	70-145		04/23/25	04/23/25
Toluene-d8	99%		%REC	70-145		04/23/25	04/23/25
Bromofluorobenzene	103%		%REC	70-145		04/23/25	04/23/25

Batch QC

Type: Blank	Lab ID: QC1250377	Batch: 369264
Matrix: Soil	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1250377 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	1.1	04/21/25	04/22/25
2-Methylnaphthalene	ND		ug/Kg	10	1.4	04/21/25	04/22/25
Naphthalene	ND		ug/Kg	10	1.6	04/21/25	04/22/25
Acenaphthylene	ND		ug/Kg	10	1.1	04/21/25	04/22/25
Acenaphthene	ND		ug/Kg	10	0.76	04/21/25	04/22/25
Fluorene	ND		ug/Kg	10	0.85	04/21/25	04/22/25
Phenanthrene	ND		ug/Kg	10	1.7	04/21/25	04/22/25
Anthracene	ND		ug/Kg	10	1.0	04/21/25	04/22/25
Fluoranthene	ND		ug/Kg	10	1.5	04/21/25	04/22/25
Pyrene	ND		ug/Kg	10	3.3	04/21/25	04/22/25
Benzo(a)anthracene	ND		ug/Kg	10	0.79	04/21/25	04/22/25
Chrysene	ND		ug/Kg	10	0.66	04/21/25	04/22/25
Benzo(b)fluoranthene	ND		ug/Kg	10	0.88	04/21/25	04/22/25
Benzo(k)fluoranthene	ND		ug/Kg	10	1.3	04/21/25	04/22/25
Benzo(a)pyrene	ND		ug/Kg	10	1.5	04/21/25	04/22/25
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	0.97	04/21/25	04/22/25
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.0	04/21/25	04/22/25
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.3	04/21/25	04/22/25
Surrogates				Limits			
Nitrobenzene-d5	86%		%REC	27-125		04/21/25	04/22/25
2-Fluorobiphenyl	82%		%REC	30-120		04/21/25	04/22/25
Terphenyl-d14	106%		%REC	33-155		04/21/25	04/22/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1250378	Batch: 369264
Matrix: Soil	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1250378 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	180.5	199.0	ug/Kg	91%		28-130
2-Methylnaphthalene	171.9	199.0	ug/Kg	86%		33-130
Naphthalene	163.3	199.0	ug/Kg	82%		25-130
Acenaphthylene	181.6	199.0	ug/Kg	91%		28-130
Acenaphthene	156.4	199.0	ug/Kg	79%		32-130
Fluorene	177.2	199.0	ug/Kg	89%		35-130
Phenanthrene	164.6	199.0	ug/Kg	83%		35-132
Anthracene	180.3	199.0	ug/Kg	91%		34-136
Fluoranthene	183.3	199.0	ug/Kg	92%		34-139
Pyrene	183.0	199.0	ug/Kg	92%		35-134
Benzo(a)anthracene	184.8	199.0	ug/Kg	93%		30-132
Chrysene	183.8	199.0	ug/Kg	92%		29-130
Benzo(b)fluoranthene	161.7	199.0	ug/Kg	81%		32-137
Benzo(k)fluoranthene	171.3	199.0	ug/Kg	86%		32-130
Benzo(a)pyrene	164.0	199.0	ug/Kg	82%		10-138
Indeno(1,2,3-cd)pyrene	183.9	199.0	ug/Kg	92%		34-132
Dibenz(a,h)anthracene	192.0	199.0	ug/Kg	96%		32-130
Benzo(g,h,i)perylene	181.0	199.0	ug/Kg	91%		27-130
Surrogates						
Nitrobenzene-d5	160.7	199.0	ug/Kg	81%		27-125
2-Fluorobiphenyl	171.5	199.0	ug/Kg	86%		30-120
Terphenyl-d14	212.4	199.0	ug/Kg	107%		33-155

Batch QC

Type: Matrix Spike
Matrix (Source ID): Soil (531281-044)

Lab ID: QC1250379
Method: EPA 8270C-SIM

Batch: 369264
Prep Method: EPA 3546
Basis: Dry

QC1250379 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	217.3	52.98	210.7	ug/Kg	78%		25-130	0.99
2-Methylnaphthalene	239.0	87.06	210.7	ug/Kg	72%		32-133	0.99
Naphthalene	246.5	135.0	210.7	ug/Kg	53%		33-130	0.99
Acenaphthylene	221.2	14.39	210.7	ug/Kg	98%		14-157	0.99
Acenaphthene	128.0	4.355	210.7	ug/Kg	59%		28-134	0.99
Fluorene	172.2	32.71	210.7	ug/Kg	66%		27-140	0.99
Phenanthrene	276.2	146.9	210.7	ug/Kg	61%		29-147	0.99
Anthracene	195.8	20.50	210.7	ug/Kg	83%		24-156	0.99
Fluoranthene	200.0	40.21	210.7	ug/Kg	76%		28-160	0.99
Pyrene	184.1	26.32	210.7	ug/Kg	75%		26-153	0.99
Benzo(a)anthracene	190.7	5.734	210.7	ug/Kg	88%		26-174	0.99
Chrysene	173.6	8.819	210.7	ug/Kg	78%		40-139	0.99
Benzo(b)fluoranthene	154.8	5.173	210.7	ug/Kg	71%		36-164	0.99
Benzo(k)fluoranthene	150.0	ND	210.7	ug/Kg	71%		36-161	0.99
Benzo(a)pyrene	146.5	2.630	210.7	ug/Kg	68%		18-173	0.99
Indeno(1,2,3-cd)pyrene	144.1	1.964	210.7	ug/Kg	67%		26-154	0.99
Dibenz(a,h)anthracene	142.6	ND	210.7	ug/Kg	68%		38-132	0.99
Benzo(g,h,i)perylene	137.0	2.985	210.7	ug/Kg	64%		36-130	0.99
Surrogates								
Nitrobenzene-d5	132.2		210.7	ug/Kg	63%		27-125	0.99
2-Fluorobiphenyl	165.9		210.7	ug/Kg	79%		30-120	0.99
Terphenyl-d14	187.8		210.7	ug/Kg	89%		33-155	0.99

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1250380	Batch: 369264
Matrix (Source ID): Soil (531281-044)	Method: EPA 8270C-SIM	Prep Method: EPA 3546
		Basis: Dry

QC1250380 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	226.8	52.98	214.9	ug/Kg	81%		25-130	3	35	1
2-Methylnaphthalene	264.8	87.06	214.9	ug/Kg	83%		32-133	9	35	1
Naphthalene	291.3	135.0	214.9	ug/Kg	73%		33-130	15	35	1
Acenaphthylene	205.7	14.39	214.9	ug/Kg	89%		14-157	9	35	1
Acenaphthene	113.2	4.355	214.9	ug/Kg	51%		28-134	14	35	1
Fluorene	154.1	32.71	214.9	ug/Kg	56%		27-140	13	35	1
Phenanthrene	292.9	146.9	214.9	ug/Kg	68%		29-147	5	35	1
Anthracene	177.5	20.50	214.9	ug/Kg	73%		24-156	12	35	1
Fluoranthene	178.0	40.21	214.9	ug/Kg	64%		28-160	13	35	1
Pyrene	160.0	26.32	214.9	ug/Kg	62%		26-153	16	35	1
Benzo(a)anthracene	176.8	5.734	214.9	ug/Kg	80%		26-174	10	35	1
Chrysene	160.7	8.819	214.9	ug/Kg	71%		40-139	10	35	1
Benzo(b)fluoranthene	134.9	5.173	214.9	ug/Kg	60%		36-164	16	35	1
Benzo(k)fluoranthene	129.4	ND	214.9	ug/Kg	60%		36-161	17	35	1
Benzo(a)pyrene	122.8	2.630	214.9	ug/Kg	56%		18-173	20	35	1
Indeno(1,2,3-cd)pyrene	120.0	1.964	214.9	ug/Kg	55%		26-154	20	35	1
Dibenz(a,h)anthracene	125.3	ND	214.9	ug/Kg	58%		38-132	15	35	1
Benzo(g,h,i)perylene	112.0	2.985	214.9	ug/Kg	51%		36-130	22	35	1
Surrogates										
Nitrobenzene-d5	131.6		214.9	ug/Kg	61%		27-125			1
2-Fluorobiphenyl	159.0		214.9	ug/Kg	74%		30-120			1
Terphenyl-d14	158.5		214.9	ug/Kg	74%		33-155			1

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

Laboratory Job Number 531281

Subcontracted Products

AmeriSci Los Angeles



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 #:

Email: incomingreports@enthalpy.com

From: Thu M. Nguyen

AmeriSci Job #: 925041194

Subject: PLM-Bulk-Qualitative 3 day Resul

Client Project: EO-531281

Date: Thursday, April 24, 2025

Time: 07:29:26

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.

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

Boston • Los Angeles • New York • Richmond

**AmeriSci Los Angeles**

24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Enthalpy Analytical
Attn: Project Manager
931 W. Barkley Ave.

Date Received 04/21/25
Date Examined 04/23/25

AmeriSci Job # 925041194
P.O. #
Page 1 of 3

RE: EO-531281

Orange, CA 92868

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
531281-044 Location: COMP-1 Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil Asbestos Types: Other Material: NVA NAD	925041194-01	No	NVA ¹ by Thu M. Nguyen on 04/23/25
531281-045 Location: COMP-1-DUP Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil Asbestos Types: Other Material: NVA NAD	925041194-02	No	NVA ¹ by Thu M. Nguyen on 04/23/25
531281-046 Location: COMP-2 Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil Asbestos Types: Other Material: NVA NAD	925041194-03	No	NVA ¹ by Thu M. Nguyen on 04/23/25
531281-047 Location: COMP-3 Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil Asbestos Types: Other Material: NVA NAD	925041194-04	No	NVA ¹ by Thu M. Nguyen on 04/23/25
531281-048 Location: COMP-4 Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil Asbestos Types: Other Material: NVA NAD	925041194-05	No	NVA ¹ by Thu M. Nguyen on 04/23/25

See Reporting notes on last page

PLM Bulk Asbestos Report

EO-531281

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
531281-049 Location: COMP-5 Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil Asbestos Types: Other Material: NVA NAD	925041194-06	No	NVA ¹ by Thu M. Nguyen on 04/23/25
531281-050 Location: COMP-6 Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil Asbestos Types: Other Material: NVA NAD	925041194-07	No	NVA ¹ by Thu M. Nguyen on 04/23/25
531281-051 Location: COMP-7 Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil Asbestos Types: Other Material: NVA NAD	925041194-08	No	NVA ¹ by Thu M. Nguyen on 04/23/25
531281-052 Location: COMP-8 Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil Asbestos Types: Other Material: NVA NAD	925041194-09	No	NVA ¹ by Thu M. Nguyen on 04/23/25
531281-054 Location: COMP-10 Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil Asbestos Types: Other Material: NVA NAD	925041194-10	No	NVA ¹ by Thu M. Nguyen on 04/23/25

Client Name: Enthalpy Analytical

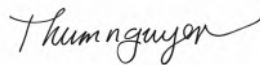
PLM Bulk Asbestos Report

EO-531281

Reporting Notes:

(1) Qualitative PLM result may not be reliable for soil, tape, dust or debris samples due to high variability in particle and aggregate size.

Analyzed by: Thu M. Nguyen



Reviewed by: Lateef McIntosh



Date: 4/23/2025

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



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

0125041194

Subcontract Laboratory:

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

Enthalpy Order: EO-531281

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

Results Due: Rush TAT, due
4/24/25

Report Level: II
Report To: MDL
EDDs:

Notes:

Need asbestos PLM qualitative tests. Due on 4/24/25.

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
COMP-1	17-APR-2025 00:00	531281-044	1	Soil	Asbestos by PLM (P/A)	
COMP-1-DUP	17-APR-2025 00:00	531281-045	1	Soil	Asbestos by PLM (P/A)	
COMP-2	17-APR-2025 00:00	531281-046	1	Soil	Asbestos by PLM (P/A)	
COMP-3	17-APR-2025 00:00	531281-047	1	Soil	Asbestos by PLM (P/A)	
COMP-4	17-APR-2025 00:00	531281-048	1	Soil	Asbestos by PLM (P/A)	
COMP-5	17-APR-2025 00:00	531281-049	1	Soil	Asbestos by PLM (P/A)	
COMP-6	17-APR-2025 00:00	531281-050	1	Soil	Asbestos by PLM (P/A)	
COMP-7	17-APR-2025 00:00	531281-051	1	Soil	Asbestos by PLM (P/A)	
COMP-8	17-APR-2025 00:00	531281-052	1	Soil	Asbestos by PLM (P/A)	
COMP-10	17-APR-2025 00:00	531281-054	1	Soil	Asbestos by PLM (P/A)	

Notes:	Relinquished By:	Received By:
	Date: 4-21-25 1535	Date: 04/21/25 @ 1540
	Date:	Date:
	Date:	Date:
	Date:	Date:

Laboratory Job Number 531281

Subcontracted Products

Enthalpy - El Dorado Hills



April 25, 2025

**Enthalpy Analytical - El Dorado Hills
Work Order No. 2504170**

Ms. Patty Mata
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Ms. Mata,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on April 22, 2025 under your Project Name 'EO-531281'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark Rein', is shown within a light grey rectangular box.

Mark Rein
Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .

Enthalpy Analytical - EDH Work Order No. 2504170

Case Narrative

Sample Condition on Receipt:

Four soil samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 8290A

The samples were extracted and analyzed for tetra-through-octa chlorinated dioxins and furans by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 12

Certifications..... 13

Sample Receipt..... 14

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2504170-01	COMP-1	17-Apr-25 00:00	22-Apr-25 11:42	Clear Glass Jar, 2 oz
2504170-02	COMP-1-DUP	17-Apr-25 00:00	22-Apr-25 11:42	Clear Glass Jar, 2 oz
2504170-03	COMP-5	17-Apr-25 00:00	22-Apr-25 11:42	Clear Glass Jar, 2 oz
2504170-04	COMP-10	17-Apr-25 00:00	22-Apr-25 11:42	Clear Glass Jar, 2 oz

ANALYTICAL RESULTS

Sample ID: Method Blank
EPA Method 8290A

Client Data			Laboratory Data		
Name:	Enthalpy Analytical		Lab Sample:	B25D249-BLK1	
Project:	EO-531281		QC Batch:	B25D249	Date Extracted: 23-Apr-25
Matrix:	Solid		Sample Size:	10.0 g	Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.190	0.500		23-Apr-25 14:21	1
1,2,3,7,8-PeCDD	ND	0.784	2.50		23-Apr-25 14:21	1
1,2,3,4,7,8-HxCDD	ND	0.633	2.50		23-Apr-25 14:21	1
1,2,3,6,7,8-HxCDD	ND	0.640	2.50		23-Apr-25 14:21	1
1,2,3,7,8,9-HxCDD	ND	0.717	2.50		23-Apr-25 14:21	1
1,2,3,4,6,7,8-HpCDD	ND	0.706	2.50		23-Apr-25 14:21	1
OCDD	ND	1.62	5.00		23-Apr-25 14:21	1
2,3,7,8-TCDF	ND	0.183	0.500		23-Apr-25 14:21	1
1,2,3,7,8-PeCDF	ND	0.576	2.50		23-Apr-25 14:21	1
2,3,4,7,8-PeCDF	ND	0.686	2.50		23-Apr-25 14:21	1
1,2,3,4,7,8-HxCDF	ND	0.659	2.50		23-Apr-25 14:21	1
1,2,3,6,7,8-HxCDF	ND	0.621	2.50		23-Apr-25 14:21	1
2,3,4,6,7,8-HxCDF	ND	0.661	2.50		23-Apr-25 14:21	1
1,2,3,7,8,9-HxCDF	ND	0.716	2.50		23-Apr-25 14:21	1
1,2,3,4,6,7,8-HpCDF	ND	0.649	2.50		23-Apr-25 14:21	1
1,2,3,4,7,8,9-HpCDF	ND	0.818	2.50		23-Apr-25 14:21	1
OCDF	ND	3.84	5.00		23-Apr-25 14:21	1

Toxic Equivalent

TEQMinWHO2005Dioxin	0.00
---------------------	------

Totals

Total TCDD	ND	0.500
Total PeCDD	ND	2.50
Total HxCDD	ND	2.50
Total HpCDD	ND	2.50
Total TCDF	ND	0.500
Total PeCDF	ND	2.50
Total HxCDF	ND	2.50
Total HpCDF	ND	2.50

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	82.7	40 - 135		23-Apr-25 14:21	1
13C-1,2,3,7,8-PeCDD	IS	81.3	40 - 135		23-Apr-25 14:21	1
13C-1,2,3,4,7,8-HxCDD	IS	71.7	40 - 135		23-Apr-25 14:21	1
13C-1,2,3,6,7,8-HxCDD	IS	74.3	40 - 135		23-Apr-25 14:21	1
13C-1,2,3,7,8,9-HxCDD	IS	71.7	40 - 135		23-Apr-25 14:21	1
13C-1,2,3,4,6,7,8-HpCDD	IS	68.4	40 - 135		23-Apr-25 14:21	1
13C-OCDD	IS	59.7	40 - 135		23-Apr-25 14:21	1
13C-2,3,7,8-TCDF	IS	77.6	40 - 135		23-Apr-25 14:21	1
13C-1,2,3,7,8-PeCDF	IS	75.4	40 - 135		23-Apr-25 14:21	1
13C-2,3,4,7,8-PeCDF	IS	75.3	40 - 135		23-Apr-25 14:21	1
13C-1,2,3,4,7,8-HxCDF	IS	74.3	40 - 135		23-Apr-25 14:21	1
13C-1,2,3,6,7,8-HxCDF	IS	74.0	40 - 135		23-Apr-25 14:21	1
13C-2,3,4,6,7,8-HxCDF	IS	72.7	40 - 135		23-Apr-25 14:21	1
13C-1,2,3,7,8,9-HxCDF	IS	71.1	40 - 135		23-Apr-25 14:21	1
13C-1,2,3,4,6,7,8-HpCDF	IS	73.8	40 - 135		23-Apr-25 14:21	1
13C-1,2,3,4,7,8,9-HpCDF	IS	75.4	40 - 135		23-Apr-25 14:21	1
13C-OCDF	IS	63.4	40 - 135		23-Apr-25 14:21	1
37Cl-2,3,7,8-TCDD	CRS	114	40 - 135		23-Apr-25 14:21	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to RL.

Sample ID: OPR
EPA Method 8290A

Client Data				Laboratory Data			
Name:	Enthalpy Analytical			Lab Sample:	B25D249-BS1		
Project:	EO-531281			QC Batch:	B25D249	Date Extracted:	23-Apr-25 03:14
Matrix:	Solid			Sample Size:	10.0 g	Column:	ZB-DIOXIN

Analyte	Amt Found (pg/g)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	22.0	20.0	110	70-130		23-Apr-25 11:51	1
1,2,3,7,8-PeCDD	117	100	117	70-130		23-Apr-25 11:51	1
1,2,3,4,7,8-HxCDD	120	100	120	70-130		23-Apr-25 11:51	1
1,2,3,6,7,8-HxCDD	118	100	118	70-130		23-Apr-25 11:51	1
1,2,3,7,8,9-HxCDD	116	100	116	70-130		23-Apr-25 11:51	1
1,2,3,4,6,7,8-HpCDD	117	100	117	70-130		23-Apr-25 11:51	1
OCDD	248	200	124	70-130		23-Apr-25 11:51	1
2,3,7,8-TCDF	23.3	20.0	117	70-130		23-Apr-25 11:51	1
1,2,3,7,8-PeCDF	118	100	118	70-130		23-Apr-25 11:51	1
2,3,4,7,8-PeCDF	118	100	118	70-130		23-Apr-25 11:51	1
1,2,3,4,7,8-HxCDF	117	100	117	70-130		23-Apr-25 11:51	1
1,2,3,6,7,8-HxCDF	117	100	117	70-130		23-Apr-25 11:51	1
2,3,4,6,7,8-HxCDF	114	100	114	70-130		23-Apr-25 11:51	1
1,2,3,7,8,9-HxCDF	115	100	115	70-130		23-Apr-25 11:51	1
1,2,3,4,6,7,8-HpCDF	112	100	112	70-130		23-Apr-25 11:51	1
1,2,3,4,7,8,9-HpCDF	110	100	110	70-130		23-Apr-25 11:51	1
OCDF	250	200	125	70-130		23-Apr-25 11:51	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	65.0	40-135		23-Apr-25 11:51	1
13C-1,2,3,7,8-PeCDD	IS	62.4	40-135		23-Apr-25 11:51	1
13C-1,2,3,4,7,8-HxCDD	IS	59.2	40-135		23-Apr-25 11:51	1
13C-1,2,3,6,7,8-HxCDD	IS	63.4	40-135		23-Apr-25 11:51	1
13C-1,2,3,7,8,9-HxCDD	IS	58.8	40-135		23-Apr-25 11:51	1
13C-1,2,3,4,6,7,8-HpCDD	IS	55.3	40-135		23-Apr-25 11:51	1
13C-OCDD	IS	49.4	40-135		23-Apr-25 11:51	1
13C-2,3,7,8-TCDF	IS	66.7	40-135		23-Apr-25 11:51	1
13C-1,2,3,7,8-PeCDF	IS	63.5	40-135		23-Apr-25 11:51	1
13C-2,3,4,7,8-PeCDF	IS	65.1	40-135		23-Apr-25 11:51	1
13C-1,2,3,4,7,8-HxCDF	IS	62.2	40-135		23-Apr-25 11:51	1
13C-1,2,3,6,7,8-HxCDF	IS	63.6	40-135		23-Apr-25 11:51	1
13C-2,3,4,6,7,8-HxCDF	IS	64.3	40-135		23-Apr-25 11:51	1
13C-1,2,3,7,8,9-HxCDF	IS	60.8	40-135		23-Apr-25 11:51	1
13C-1,2,3,4,6,7,8-HpCDF	IS	62.3	40-135		23-Apr-25 11:51	1
13C-1,2,3,4,7,8,9-HpCDF	IS	62.4	40-135		23-Apr-25 11:51	1
13C-OCDF	IS	53.4	40-135		23-Apr-25 11:51	1
37Cl-2,3,7,8-TCDD	CRS	107	40-135		23-Apr-25 11:51	1

Sample ID: COMP-1
EPA Method 8290A

Client Data		Laboratory Data			
Name:	Enthalpy Analytical	Lab Sample:	2504170-01	Date Received:	22-Apr-25 11:42
Project:	EO-531281	QC Batch:	B25D249	Date Extracted:	23-Apr-25
Matrix:	Soil	Sample Size:	10.4 g	Column:	ZB-DIOXIN
Date Collected:	17-Apr-25 00:00	% Solids:	96.5		

Analyte	Conc. (pg/g)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.189	0.498		23-Apr-25 15:09	1
1,2,3,7,8-PeCDD	ND	0.780	2.49		23-Apr-25 15:09	1
1,2,3,4,7,8-HxCDD	ND	0.630	2.49		23-Apr-25 15:09	1
1,2,3,6,7,8-HxCDD	ND	0.637	2.49		23-Apr-25 15:09	1
1,2,3,7,8,9-HxCDD	ND	0.714	2.49		23-Apr-25 15:09	1
1,2,3,4,6,7,8-HpCDD	3.28	0.703	2.49		23-Apr-25 15:09	1
OCDD	16.8	1.61	4.98		23-Apr-25 15:09	1
2,3,7,8-TCDF	ND	0.182	0.498		23-Apr-25 15:09	1
1,2,3,7,8-PeCDF	ND	0.573	2.49		23-Apr-25 15:09	1
2,3,4,7,8-PeCDF	ND	0.683	2.49		23-Apr-25 15:09	1
1,2,3,4,7,8-HxCDF	ND	0.656	2.49		23-Apr-25 15:09	1
1,2,3,6,7,8-HxCDF	ND	0.618	2.49		23-Apr-25 15:09	1
2,3,4,6,7,8-HxCDF	ND	0.658	2.49		23-Apr-25 15:09	1
1,2,3,7,8,9-HxCDF	ND	0.713	2.49		23-Apr-25 15:09	1
1,2,3,4,6,7,8-HpCDF	ND	0.646	2.49		23-Apr-25 15:09	1
1,2,3,4,7,8,9-HpCDF	ND	0.814	2.49		23-Apr-25 15:09	1
OCDF	ND	3.82	4.98		23-Apr-25 15:09	1

Toxic Equivalent

TEQMinWHO2005Dioxin	0.0378
---------------------	--------

Totals

Total TCDD	8.25	0.498
Total PeCDD	ND	2.49
Total HxCDD	ND	2.49
Total HpCDD	7.62	2.49
Total TCDF	17.5	0.498
Total PeCDF	ND	2.49
Total HxCDF	ND	2.49
Total HpCDF	ND	2.49

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	77.4	40 - 135		23-Apr-25 15:09	1
13C-1,2,3,7,8-PeCDD	IS	75.3	40 - 135		23-Apr-25 15:09	1
13C-1,2,3,4,7,8-HxCDD	IS	66.7	40 - 135		23-Apr-25 15:09	1
13C-1,2,3,6,7,8-HxCDD	IS	70.3	40 - 135		23-Apr-25 15:09	1
13C-1,2,3,7,8,9-HxCDD	IS	65.5	40 - 135		23-Apr-25 15:09	1
13C-1,2,3,4,6,7,8-HpCDD	IS	64.3	40 - 135		23-Apr-25 15:09	1
13C-OCDD	IS	57.7	40 - 135		23-Apr-25 15:09	1
13C-2,3,7,8-TCDF	IS	77.7	40 - 135		23-Apr-25 15:09	1
13C-1,2,3,7,8-PeCDF	IS	73.3	40 - 135		23-Apr-25 15:09	1
13C-2,3,4,7,8-PeCDF	IS	79.9	40 - 135		23-Apr-25 15:09	1
13C-1,2,3,4,7,8-HxCDF	IS	67.3	40 - 135		23-Apr-25 15:09	1
13C-1,2,3,6,7,8-HxCDF	IS	69.0	40 - 135		23-Apr-25 15:09	1
13C-2,3,4,6,7,8-HxCDF	IS	68.7	40 - 135		23-Apr-25 15:09	1
13C-1,2,3,7,8,9-HxCDF	IS	69.0	40 - 135		23-Apr-25 15:09	1
13C-1,2,3,4,6,7,8-HpCDF	IS	67.8	40 - 135		23-Apr-25 15:09	1
13C-1,2,3,4,7,8,9-HpCDF	IS	71.8	40 - 135		23-Apr-25 15:09	1
13C-OCDF	IS	62.6	40 - 135		23-Apr-25 15:09	1
37Cl-2,3,7,8-TCDD	CRS	112	40 - 135		23-Apr-25 15:09	1

MDL - Method Detection Limit
RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: COMP-1-DUP
EPA Method 8290A

Client Data		Laboratory Data			
Name:	Enthalpy Analytical	Lab Sample:	2504170-02	Date Received:	22-Apr-25 11:42
Project:	EO-531281	QC Batch:	B25D249	Date Extracted:	23-Apr-25
Matrix:	Soil	Sample Size:	10.4 g	Column:	ZB-DIOXIN
Date Collected:	17-Apr-25 00:00	% Solids:	96.8		

Analyte	Conc. (pg/g)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.190	0.499		23-Apr-25 15:53	1
1,2,3,7,8-PeCDD	ND	0.782	2.49		23-Apr-25 15:53	1
1,2,3,4,7,8-HxCDD	ND	0.632	2.49		23-Apr-25 15:53	1
1,2,3,6,7,8-HxCDD	ND	0.639	2.49		23-Apr-25 15:53	1
1,2,3,7,8,9-HxCDD	ND	0.716	2.49		23-Apr-25 15:53	1
1,2,3,4,6,7,8-HpCDD	6.34	0.705	2.49		23-Apr-25 15:53	1
OCDD	30.1	1.62	4.99		23-Apr-25 15:53	1
2,3,7,8-TCDF	0.929	0.183	0.499		23-Apr-25 15:53	1
1,2,3,7,8-PeCDF	ND	0.575	2.49		23-Apr-25 15:53	1
2,3,4,7,8-PeCDF	ND	0.685	2.49		23-Apr-25 15:53	1
1,2,3,4,7,8-HxCDF	ND	0.658	2.49		23-Apr-25 15:53	1
1,2,3,6,7,8-HxCDF	ND	0.620	2.49		23-Apr-25 15:53	1
2,3,4,6,7,8-HxCDF	ND	0.660	2.49		23-Apr-25 15:53	1
1,2,3,7,8,9-HxCDF	ND	0.715	2.49		23-Apr-25 15:53	1
1,2,3,4,6,7,8-HpCDF	2.76	0.648	2.49		23-Apr-25 15:53	1
1,2,3,4,7,8,9-HpCDF	ND	0.816	2.49		23-Apr-25 15:53	1
OCDF	ND	3.83	4.99		23-Apr-25 15:53	1

Toxic Equivalent

TEQMinWHO2005Dioxin	0.193
---------------------	-------

Totals

Total TCDD	15.7	0.499
Total PeCDD	5.20	2.49
Total HxCDD	ND	2.49
Total HpCDD	13.6	2.49
Total TCDF	36.6	0.499
Total PeCDF	10.6	2.49
Total HxCDF	3.57	2.49
Total HpCDF	4.07	2.49

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	63.4	40 - 135		23-Apr-25 15:53	1
13C-1,2,3,7,8-PeCDD	IS	59.1	40 - 135		23-Apr-25 15:53	1
13C-1,2,3,4,7,8-HxCDD	IS	53.0	40 - 135		23-Apr-25 15:53	1
13C-1,2,3,6,7,8-HxCDD	IS	55.5	40 - 135		23-Apr-25 15:53	1
13C-1,2,3,7,8,9-HxCDD	IS	53.7	40 - 135		23-Apr-25 15:53	1
13C-1,2,3,4,6,7,8-HpCDD	IS	50.5	40 - 135		23-Apr-25 15:53	1
13C-OCDD	IS	44.3	40 - 135		23-Apr-25 15:53	1
13C-2,3,7,8-TCDF	IS	61.8	40 - 135		23-Apr-25 15:53	1
13C-1,2,3,7,8-PeCDF	IS	60.4	40 - 135		23-Apr-25 15:53	1
13C-2,3,4,7,8-PeCDF	IS	62.7	40 - 135		23-Apr-25 15:53	1
13C-1,2,3,4,7,8-HxCDF	IS	52.9	40 - 135		23-Apr-25 15:53	1
13C-1,2,3,6,7,8-HxCDF	IS	54.4	40 - 135		23-Apr-25 15:53	1
13C-2,3,4,6,7,8-HxCDF	IS	53.0	40 - 135		23-Apr-25 15:53	1
13C-1,2,3,7,8,9-HxCDF	IS	53.3	40 - 135		23-Apr-25 15:53	1
13C-1,2,3,4,6,7,8-HpCDF	IS	52.2	40 - 135		23-Apr-25 15:53	1
13C-1,2,3,4,7,8,9-HpCDF	IS	55.5	40 - 135		23-Apr-25 15:53	1
13C-OCDF	IS	49.1	40 - 135		23-Apr-25 15:53	1
37Cl-2,3,7,8-TCDD	CRS	93.2	40 - 135		23-Apr-25 15:53	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to RL.

Sample ID: COMP-5
EPA Method 8290A

Client Data		Laboratory Data			
Name:	Enthalpy Analytical	Lab Sample:	2504170-03	Date Received:	22-Apr-25 11:42
Project:	EO-531281	QC Batch:	B25D249	Date Extracted:	23-Apr-25
Matrix:	Soil	Sample Size:	10.3 g	Column:	ZB-DIOXIN
Date Collected:	17-Apr-25 00:00	% Solids:	97.5		

Analyte	Conc. (pg/g)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.189	0.498		23-Apr-25 16:39	1
1,2,3,7,8-PeCDD	ND	0.781	2.49		23-Apr-25 16:39	1
1,2,3,4,7,8-HxCDD	ND	0.631	2.49		23-Apr-25 16:39	1
1,2,3,6,7,8-HxCDD	6.82	0.638	2.49		23-Apr-25 16:39	1
1,2,3,7,8,9-HxCDD	4.01	0.715	2.49		23-Apr-25 16:39	1
1,2,3,4,6,7,8-HpCDD	220	0.704	2.49		23-Apr-25 16:39	1
OCDD	2610	1.61	4.98		23-Apr-25 16:39	1
2,3,7,8-TCDF	ND	0.182	0.498		23-Apr-25 16:39	1
1,2,3,7,8-PeCDF	ND	0.574	2.49		23-Apr-25 16:39	1
2,3,4,7,8-PeCDF	ND	0.684	2.49		23-Apr-25 16:39	1
1,2,3,4,7,8-HxCDF	ND	0.657	2.49		23-Apr-25 16:39	1
1,2,3,6,7,8-HxCDF	ND	0.619	2.49		23-Apr-25 16:39	1
2,3,4,6,7,8-HxCDF	2.71	0.659	2.49		23-Apr-25 16:39	1
1,2,3,7,8,9-HxCDF	ND	0.714	2.49		23-Apr-25 16:39	1
1,2,3,4,6,7,8-HpCDF	40.7	0.647	2.49		23-Apr-25 16:39	1
1,2,3,4,7,8,9-HpCDF	2.94	0.815	2.49		23-Apr-25 16:39	1
OCDF	135	3.83	4.98		23-Apr-25 16:39	1

Toxic Equivalent

TEQMinWHO2005Dioxin	4.81
---------------------	------

Totals

Total TCDD	4.20	0.498
Total PeCDD	2.89	2.49
Total HxCDD	44.6	2.49
Total HpCDD	396	2.49
Total TCDF	9.54	0.498
Total PeCDF	33.5	2.49
Total HxCDF	51.3	2.49
Total HpCDF	145	2.49

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	78.8	40 - 135		23-Apr-25 16:39	1
13C-1,2,3,7,8-PeCDD	IS	72.0	40 - 135		23-Apr-25 16:39	1
13C-1,2,3,4,7,8-HxCDD	IS	67.7	40 - 135		23-Apr-25 16:39	1
13C-1,2,3,6,7,8-HxCDD	IS	70.9	40 - 135		23-Apr-25 16:39	1
13C-1,2,3,7,8,9-HxCDD	IS	65.6	40 - 135		23-Apr-25 16:39	1
13C-1,2,3,4,6,7,8-HpCDD	IS	65.8	40 - 135		23-Apr-25 16:39	1
13C-OCDD	IS	61.2	40 - 135		23-Apr-25 16:39	1
13C-2,3,7,8-TCDF	IS	82.4	40 - 135		23-Apr-25 16:39	1
13C-1,2,3,7,8-PeCDF	IS	77.8	40 - 135		23-Apr-25 16:39	1
13C-2,3,4,7,8-PeCDF	IS	80.8	40 - 135		23-Apr-25 16:39	1
13C-1,2,3,4,7,8-HxCDF	IS	70.6	40 - 135		23-Apr-25 16:39	1
13C-1,2,3,6,7,8-HxCDF	IS	70.0	40 - 135		23-Apr-25 16:39	1
13C-2,3,4,6,7,8-HxCDF	IS	68.4	40 - 135		23-Apr-25 16:39	1
13C-1,2,3,7,8,9-HxCDF	IS	69.5	40 - 135		23-Apr-25 16:39	1
13C-1,2,3,4,6,7,8-HpCDF	IS	65.6	40 - 135		23-Apr-25 16:39	1
13C-1,2,3,4,7,8,9-HpCDF	IS	70.8	40 - 135		23-Apr-25 16:39	1
13C-OCDF	IS	63.3	40 - 135		23-Apr-25 16:39	1
37Cl-2,3,7,8-TCDD	CRS	112	40 - 135		23-Apr-25 16:39	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to RL.

Sample ID: COMP-10
EPA Method 8290A

Client Data		Laboratory Data			
Name:	Enthalpy Analytical	Lab Sample:	2504170-04	Date Received:	22-Apr-25 11:42
Project:	EO-531281	QC Batch:	B25D249	Date Extracted:	23-Apr-25
Matrix:	Soil	Sample Size:	14.1 g	Column:	ZB-DIOXIN
Date Collected:	17-Apr-25 00:00	% Solids:	71.3		

Analyte	Conc. (pg/g)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.189	0.498		23-Apr-25 17:24	1
1,2,3,7,8-PeCDD	ND	0.781	2.49		23-Apr-25 17:24	1
1,2,3,4,7,8-HxCDD	ND	0.630	2.49		23-Apr-25 17:24	1
1,2,3,6,7,8-HxCDD	4.01	0.637	2.49		23-Apr-25 17:24	1
1,2,3,7,8,9-HxCDD	ND	0.714	2.49		23-Apr-25 17:24	1
1,2,3,4,6,7,8-HpCDD	148	0.703	2.49		23-Apr-25 17:24	1
OCDD	2240	1.61	4.98		23-Apr-25 17:24	1
2,3,7,8-TCDF	1.17	0.182	0.498		23-Apr-25 17:24	1
1,2,3,7,8-PeCDF	ND	0.574	2.49		23-Apr-25 17:24	1
2,3,4,7,8-PeCDF	ND	0.683	2.49		23-Apr-25 17:24	1
1,2,3,4,7,8-HxCDF	ND	0.656	2.49		23-Apr-25 17:24	1
1,2,3,6,7,8-HxCDF	ND	0.618	2.49		23-Apr-25 17:24	1
2,3,4,6,7,8-HxCDF	ND	0.658	2.49		23-Apr-25 17:24	1
1,2,3,7,8,9-HxCDF	ND	0.713	2.49		23-Apr-25 17:24	1
1,2,3,4,6,7,8-HpCDF	20.8	0.646	2.49		23-Apr-25 17:24	1
1,2,3,4,7,8,9-HpCDF	ND	0.814	2.49		23-Apr-25 17:24	1
OCDF	52.7	3.82	4.98		23-Apr-25 17:24	1

Toxic Equivalent

TEQMinWHO2005Dioxin	2.89
---------------------	------

Totals

Total TCDD	12.8	0.498
Total PeCDD	4.92	2.49
Total HxCDD	38.5	2.49
Total HpCDD	373	2.49
Total TCDF	27.2	0.498
Total PeCDF	20.4	2.49
Total HxCDF	29.6	2.49
Total HpCDF	53.4	2.49

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	46.5	40 - 135		23-Apr-25 17:24	1
13C-1,2,3,7,8-PeCDD	IS	46.0	40 - 135		23-Apr-25 17:24	1
13C-1,2,3,4,7,8-HxCDD	IS	44.8	40 - 135		23-Apr-25 17:24	1
13C-1,2,3,6,7,8-HxCDD	IS	46.4	40 - 135		23-Apr-25 17:24	1
13C-1,2,3,7,8,9-HxCDD	IS	43.3	40 - 135		23-Apr-25 17:24	1
13C-1,2,3,4,6,7,8-HpCDD	IS	42.9	40 - 135		23-Apr-25 17:24	1
13C-OCDD	IS	40.2	40 - 135		23-Apr-25 17:24	1
13C-2,3,7,8-TCDF	IS	48.4	40 - 135		23-Apr-25 17:24	1
13C-1,2,3,7,8-PeCDF	IS	49.2	40 - 135		23-Apr-25 17:24	1
13C-2,3,4,7,8-PeCDF	IS	49.8	40 - 135		23-Apr-25 17:24	1
13C-1,2,3,4,7,8-HxCDF	IS	46.5	40 - 135		23-Apr-25 17:24	1
13C-1,2,3,6,7,8-HxCDF	IS	47.5	40 - 135		23-Apr-25 17:24	1
13C-2,3,4,6,7,8-HxCDF	IS	45.5	40 - 135		23-Apr-25 17:24	1
13C-1,2,3,7,8,9-HxCDF	IS	45.6	40 - 135		23-Apr-25 17:24	1
13C-1,2,3,4,6,7,8-HpCDF	IS	45.4	40 - 135		23-Apr-25 17:24	1
13C-1,2,3,4,7,8,9-HpCDF	IS	47.7	40 - 135		23-Apr-25 17:24	1
13C-OCDF	IS	43.9	40 - 135		23-Apr-25 17:24	1
37Cl-2,3,7,8-TCDD	CRS	74.4	40 - 135		23-Apr-25 17:24	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to RL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.



ENTHALPY

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

Subcontract Laboratory:

Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-531281

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

Results Due: RUSH! Due 04/24/25

2504170

Report Level: II

2.6 °C

Report To: MDL

EDDs: BLDR:Enthalpy (the normal EDD you send to
Orange)

Notes:

Terraphase LAUSD Marquez CES project. Rush due 4/24/25.

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
COMP-1	17-APR-2025 00:00	531281-044	1	Soil	EPA 8290 - Dioxins & Furans	
COMP-1-DUP	17-APR-2025 00:00	531281-045	1	Soil	EPA 8290 - Dioxins & Furans	
COMP-5	17-APR-2025 00:00	531281-049	1	Soil	EPA 8290 - Dioxins & Furans	
COMP-10	17-APR-2025 00:00	531281-054	1	Soil	EPA 8290 - Dioxins & Furans	

Notes:	Relinquished By:	Received By:
	Tosha T. Kelly	Karen M.
	Date: 4/21/25	Date: 04/22/25 11:42
	Date:	Date:
	Date:	Date:

CoC/Label Reconciliation Report WO# 2504170

LabNumber	CoC Sample ID	Sample Alias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2504170-01	A COMP-1	531281-044	17-Apr-25 00:00	Clear Glass Jar, 2 oz	Solid	
2504170-02	A COMP-1-DUP	531281-045	17-Apr-25 00:00	Clear Glass Jar, 2 oz	Solid	
2504170-03	A COMP-5	531281-049	17-Apr-25 00:00	Clear Glass Jar, 2 oz	Solid	
2504170-04	A COMP-10	531281-054	17-Apr-25 00:00	Clear Glass Jar, 2 oz	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	☒		
Sample Container(s) Custody Seals Intact?			☒
Custody Seals On Cooler Intact?			☒
Adequate Sample Volume?	☒		
Container Type Appropriate for Analysis(es)?	☒		

Comments:

② Underlined part missing on sample label

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: NA 04/22/25



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

enthalpy.com

Lab Job Number : 531917
Report Level : II
Report Date : 05/12/2025
Revision : 2 (See narrative)

Analytical Report *prepared for:*

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - Marquez CES / S030.076

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, ORELAP# 4197



Sample Summary

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite
#410
Irvine, CA 92612

Lab Job #: 531917
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 04/17/25

Sample ID	Lab ID	Collected	Matrix
G31-250417	531917-001	04/17/25 12:54	Soil
G32-250417	531917-002	04/17/25 12:56	Soil
G33-250417	531917-003	04/17/25 12:57	Soil
G34-250417	531917-004	04/17/25 12:58	Soil
G35-250417	531917-005	04/17/25 13:00	Soil
G43-250417	531917-006	04/17/25 11:59	Soil
G44-250417	531917-007	04/17/25 12:02	Soil

Case Narrative

Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612
Clare Steedman

Lab Job Number: 531917
Project No: LAUSD SCHOOL
Location: Marquez CES /
S030.076
Date Received: 04/17/25

- This data package contains sample and QC results for seven soil samples, requested for the above referenced project on 04/29/25. The samples were received cold and intact. Only the additional tests requested on 4/29/25 are included in this report, plus additional results requested 5/6/25.
- Revised report on 5/12/25 to include delta-BHC re-analysis results with lower RL/MDL values.

Pesticides (EPA 8081A):

- High RPD was observed for delta-BHC in the MS/MSD for batch 370126; the parent sample was not a project sample, and this analyte was not detected at or above the RL in the associated samples.
- No other analytical problems were encountered.

Metals (EPA 6010B) Soil:

- Low recoveries were observed for lead in the MS/MSD of G31-250417 (lab # 531917-001); the LCS was within limits, and the associated RPD was within limits.
- 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.

Moisture (ASTM D2216):

- High RPD was observed for moisture, percent in the batch QC sample duplicate (SDUP) for batch 370268; the parent sample was not a project sample.
- No other analytical problems were encountered.

Leachate Preparation:

No analytical problems were encountered.

Detection Summary

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 531917
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 04/17/25

Sample ID: G31-250417

Lab ID: 531917-001

Collected: 04/17/25 12:54

531917-001 Analyte	Result	Qual	Units	RL	MDL	Basis	Matrix
Method: ASTM D2216 Prep Method: METHOD							
Moisture, Percent	1		%	1			Soil
Method: EPA 6010B Prep Method: EPA 3015A							
Lead	0.090		mg/L	0.015	0.0062		TCLP Leachate
Method: EPA 6010B Prep Method: EPA 3050B							
Lead	310		mg/Kg	0.98	0.70	Dry	Soil
Method: EPA 6010B Prep Method: METHOD							
Lead	2.7		mg/L	0.15	0.051		WET Leachate

Sample ID: G32-250417

Lab ID: 531917-002

Collected: 04/17/25 12:56

Matrix: Soil

Basis: Dry

531917-002 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	5		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Lead	49		mg/Kg	1.0	0.74

Sample ID: G33-250417

Lab ID: 531917-003

Collected: 04/17/25 12:57

Matrix: Soil

Basis: Dry

531917-003 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	1		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Lead	80		mg/Kg	1.0	0.71

Detection Summary

Sample ID: G34-250417	Lab ID: 531917-004	Collected: 04/17/25 12:58
	Matrix: Soil	Basis: Dry

531917-004 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	5		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Lead	100		mg/Kg	1.0	0.72

Sample ID: G35-250417	Lab ID: 531917-005	Collected: 04/17/25 13:00
	Matrix: Soil	Basis: Dry

531917-005 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Lead	32		mg/Kg	0.98	0.70

Sample ID: G43-250417	Lab ID: 531917-006	Collected: 04/17/25 11:59
	Matrix: Soil	

531917-006 Analyte	Result	Qual	Units	RL	MDL	Basis
Method: ASTM D2216 Prep Method: METHOD						
Moisture, Percent	24		%	1		

Sample ID: G44-250417	Lab ID: 531917-007	Collected: 04/17/25 12:02
	Matrix: Soil	

531917-007 Analyte	Result	Qual	Units	RL	MDL	Basis
Method: ASTM D2216 Prep Method: METHOD						
Moisture, Percent	35		%	1		

[External] - RE: LAUSD Marquez CES / S030.07 Full final report - Enthalpy Data (531281)

From Jonathan Marshak <jonathan.marshak@terrphase.com>

Date Tue 4/29/2025 10:09 AM

To Patty Mata <patty.mata@enthalpy.com>

Cc Clare Steedman <clare.steedman@terrphase.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hello Patty,

Could we please analyze the following additional samples:

Lab ID	Sample Name	Test
531281-031	G31-250417	Lead (6010B)
531281-032	G32-250417	Lead (6010B)
531281-033	G33-250417	Lead (6010B)
531281-034	G34-250417	Lead (6010B)
531281-035	G35-250417	Lead (6010B)
531281-042	G43-250417	Delta-BHC (8081A)
531281-043	G44-250417	Delta-BHC (8081A)

Thanks,

Jon Marshak, PG

Senior Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

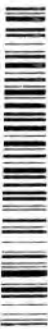
O: 949-377-2227 ext. 103 | C: 713-305-3463

www.terrphase.com

This e-mail (including any attachments to it) is intended solely for the use of the individual(s) or entity named above. It may contain confidential or privileged information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately and delete the original message.

From: Patty Mata <patty.mata@enthalpy.com>

Sent: Friday, April 25, 2025 4:03 PM



Login 531281



Entraipy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Chain of Custody Record

Lab No: 531281

Page: 1 of 6

Matrix: A = Air S = Soil/Solid

W = Water DW = Drinking Water SD = Sediment

PP = Pure Product SEA = Sea Water

SW = Swab T = Tissue WP = Wipe O = Other

Sample Receipt Temp:

9.5°C IR13

7.3°C IR13

(lab use only)

Turn Around Time (rush by advanced notice only)

Standard:

2 Day:

5 Day:

1 Day:

3 Day:

Custom TAT:

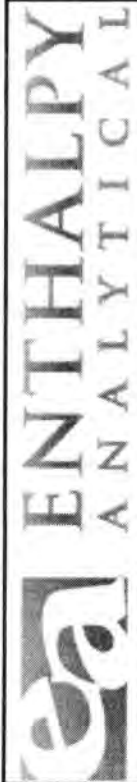
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request										Test Instructions / Comments
Company:	Terraphase Engineering Inc.			Name:	Marquez CES			EPA 6010B T22 Metals	EPA 7471A - Hg	PLM - Asbestos	8270 SIM PAHs	8081A - OCPs	8082 - PCBs	EPA Method 8290 (Dioxins and Furans)	8260B/5035 - VOCs	EPA 8015 carbon chain	Moisture content	Please email report to the following: jonathan.marshak@terraphase.com Additionally, send EDD report Please note varying TAT for analyses discussed with Patty Mata - please see pg 5 + 6 for lab composite analyses - 5 day turn for in house analyses - asbestos and P/F results by 4/24
Report To:	Clare Steedman			Number:	S030.076													
Email:	clare.steedman@terraphase.com			P.O. #:														
Address:	18401 Von Karman Ave. #410, Irvine, CA 91812			Address:	16821 Marquez Ave, Pacific Palisades, CA 90272													
Phone:	949-377-2227			Global ID:														
Fax:				Sampled By:	D. Chev													
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.													
1 G1-250417	4/17/25	827	S	1-802	ice													
2 G2-250417		842																
3 G3-250417		839																
4 G4-250417		837																
5 G5-250417		835		1-802 + 300A														
6 G6-250417		913		1-802														
7 G7-250417		906																
8 G8-250417		917																
9 G9-250417		919																
10 G10-250417	4/17/25	922	S	1-802	ice													

Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By:	<i>[Signature]</i>	Owen Chev		TEI		4/17/25	1544
1 Received By:	<i>[Signature]</i>	Tina Kelly		Entraipy		4/17/25	1544
2 Relinquished By:							
2 Received By:							
3 Relinquished By:							
3 Received By:							

 Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Chain of Custody Record Lab No: 531281 Page: 2 of 6		Turn Around Time (rush by advanced notice only) Standard: 5 Day: 3 Day: X 2 Day: 1 Day: Custom TAT:					
		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other (lab use only)							
CUSTOMER INFORMATION Company: Terraphase Engineering Inc. Report To: Clare Steedman Email: clare.steedman@terraphase.com Address: 18401 Von Karman Ave. #410, Irvine, CA 91812 Phone: 949-377-2227 Fax:		PROJECT INFORMATION Name: Marquez CES Number: S030.076 P.O. #: 16821 Marquez Ave, Pacific Palisades, CA 90272 Address: Global ID: Sampled By: O. Chev		Analysis Request EPA 6010B T22 Metals EPA 7471A - Hg PLM - Asbestos 8270 SIM PAHs 8081A - OCPs 8082 - PCBs EPA Method 8290 (Dioxins and Furans) 8260B/5035 - VOCs EPA 8015 carbon chain Moisture content					
Test Instructions / Comments Please email report to the following: jonathan.marshak@terraphase.com Additionally, send EDD report Please note varying TAT for analyses discussed with Patty Mata									
Sample ID 1 611-250417 2 612-250417 3 613-250417 4 614-250417 5 615-250417 6 616-250417 7 617-250417 8 618-250417 9 619-250417 10 620-250417		Sampling Date 4/17/25 4/17/25		Sampling Time 957 959 1003 1006 1009 1040 1042 1045 1048 1044		Container No. / Size 1-802 1-802		Pres. ice ice	
Signature Clare Steedman		Print Name Owen Chen T1516614		Company / Title T&E Enthalpy		Date / Time 4/17/25 1544 4/17/25 1544			
Relinquished By: 1 Received By: 2 Relinquished By: 2 Received By: 3 Relinquished By: 3 Received By:									

Chain of Custody Record				Turn Around Time (rush by advanced notice only)																							
Lab No: 531281				Standard:																							
Page: 3 of 6				5 Day:																							
				3 Day:																							
				1 Day:																							
				Custom TAT																							
				Sample Receipt Temp:																							
				(lab use only)																							
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900				Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other				Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other																			
PROJECT INFORMATION Name: Marquez CES Number: S030.076 P.O. #: Address: 16821 Marquez Ave, Pacific Palisades, CA 90272 Global ID: Sampled By: O. Chen				Analysis Request EPA 6010B T22 Metals EPA 7471A - Hg PLM - Asbestos 8270 SIM PAHs 8081A - OCPs 8082 - PCBs EPA Method 8290 (Dioxins and Furans) 8260B/5035 - VOCs EPA 8015 carbon chain Moisture content				Test Instructions / Comments Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report Please note varying TAT for analyses discussed with Patty Mata																			
CUSTOMER INFORMATION Company: Terraphase Engineering Inc. Report To: Clare Steedman Email: clare.steedman@terrphase.com Address: 18401 Von Karman Ave. #410, Irvine, CA 91812 Phone: 949-377-2227 Fax:				Sample ID 1 021-250417 2 022-250417 3 023-250417 4 024-250417 5 025-250417 6 026-250417 7 027-250417 8 028-250417 9 029-250417 10 030-250417				Sampling Date 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25 4/17/25				Sampling Time 1115 1117 1119 1120 1122 1240 1242 1244 1248 1249				Matrix S S S S S S S S S S				Container No. / Size 1-802 + 3 VOA 100 100 100 100 100 100 100 100 100				Pres. 100 100 100 100 100 100 100 100 100 100			
Signature [Signature] [Signature]				Print Name Owen Chen Trisella				Company / Title T&E Enthalpy				Date / Time 4/17/25 1544 4/17/25 1547															
Relinquished By: [Signature]				Received By: [Signature]				Relinquished By: [Signature]				Received By: [Signature]															
Relinquished By: [Signature]				Received By: [Signature]				Relinquished By: [Signature]				Received By: [Signature]															
Relinquished By: [Signature]				Received By: [Signature]				Relinquished By: [Signature]				Received By: [Signature]															

Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Chain of Custody Record Lab No: <u>531281</u> Page: <u>4</u> of <u>6</u>		Turn Around Time (rush by advanced notice only) Standard: 5 Day: 3 Day: 2 Day: 1 Day: Custom TAT: ☒									
		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other											
CUSTOMER INFORMATION Company: Terraphase Engineering Inc. Report To: Clare Steedman Email: clare.steedman@terraphase.com Address: 18401 Von Karman Ave. #410, Irvine, CA 91812 Phone: 949-377-2227 Fax:		PROJECT INFORMATION Name: Marquez CES Number: 5030.076 P.O. #: Address: 16821 Marquez Ave, Pacific Palisades, CA 90272 Global ID: Sampled By: <u>O. Chen</u>		Analysis Request EPA 6010B T22 Metals EPA 7471A - Hg PLM - Asbestos 8270 SIM PAHs 8081A - OCPs 8082 - PCBs EPA Method 8290 (Dioxins and Furans) 8260B/5035 - VOCs EPA 8015 carbon chain Moisture content				Test Instructions / Comments Please email report to the following: jonathan.marshak@terraphase.com Additionally, send EDD report Please note varying TAT for analyses discussed with Patty Mata					
Sample ID 1 <u>631-250417</u> 2 <u>632-250417</u> 3 <u>633-250417</u> 4 <u>634-250417</u> 5 <u>635-250417</u> 6 <u>636-250417</u> 7 <u>637-250417</u> 8 <u>638-250417</u> 9 <u>639-250417</u> 10 <u>640-250417</u>		Sampling Date 4/17/25 4/17/25 DC		Sampling Time 1254 1256 1257 1258 1300 1307 1306 1310 1311		Matrix S S S S S S S S S		Container No. / Size 1-802 1-802 1-802 1-802 1-802 1-802 1-802 1-802 1-802		Pres. ice ice ice ice ice ice ice ice ice		COMP-7 COMP-8	
Signature <u>[Signature]</u> Received By:		Print Name Owen Chen T/5 Kelly		Company / Title TEI EARTHALPY				Date / Time 4/17/25 1544 4/17/25 1549					
Relinquished By:		Relinquished By:		Relinquished By:				Relinquished By:					
Received By:		Received By:		Received By:				Received By:					
Relinquished By:		Relinquished By:		Relinquished By:				Relinquished By:					
Received By:		Received By:		Received By:				Received By:					



Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Chain of Custody Record

Lab No: 531281

Page: 5 of

Matrix: A = Air S = Soil/Solid

W = Water DW = Drinking Water SD = Sediment

PP = Pure Product SEA = Sea Water

SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:

$$1 = \text{Na}_2\text{S}_2\text{O}_3 \quad 2 = \text{HCl} \quad 3 = \text{HNO}_3$$

4 = H_2SO_4 5 = NaOH 6 = Other

(lab use only)

Turn Around Time (rush by advanced notice only)

Standard:

2 Day:

Preservati

$$2\text{H}_2\text{O}_3 \quad 2 = \text{H}_2\text{O}_3$$
$$\text{O}_4 \quad 5 = \text{NaO}$$

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request								Test Instructions / Comments			
Company:	Terraphase Engineering Inc.			Name:	Marquez CES			EPA 6010B T22 Metals	EPA 7471A - Hg	PLM - Asbestos	8270 SIM PAHs	8081A - OCPs	8082 - PCBs	EPA Method 8290 (Dioxins and Furans)	8260B/5035 - VOCs	EPA 8015 carbon chain	Moisture content	Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report Please note varying TAT for analyses discussed with Patty Mata	
Report To:	Clare Steedman			Number:	5030.076														
Email:	clare.steedman@terrphase.com			P.O. #:															
Address:	18401 Von Karman Ave. #410, Irvine, CA 91812			Address:	16821 Marquez Ave, Pacific Palisades, CA 90272														
Phone:	949-377-2227			Global ID:															
Fax:				Sampled By:	O. Chen														
	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.													
1	641-250417	4/17/25	1145	5		ice													} comp-9
2	642-250417		1147																
3	643-250417		1159																} comp-10
4	644-250417		1202		1-802+300A								X						
5	comp-1		-		-			X	X	X	X	X	X			X	X		
6	comp-1-DUP		-		-			X	X	X	X	X	X			X	X		
7	comp-2		-		-			X	X							X			
8	comp-3		-		-			X	X	X						X			
9	comp-4		-		-			X	X	X						X			
10	comp-5	4/17/25	-	5	-	ice		X	X	X	X	X	X			X	X		
		Signature	Print Name			Company / Title			Date / Time										
1 Relinquished By:		Owen Chen			TGI			4/17/25 1544											
1 Received By:		T/GS Melly			Enthalpy			4/17/25 1547											
2 Relinquished By:																			
2 Received By:																			
3 Relinquished By:																			
3 Received By:																			

Chain of Custody Record				Turn Around Time (rush by advanced notice only)											
Lab No: 531281				Standard:											
Page: 6 of 6				5 Day: 3 Day: Custom TAT: X											
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900				Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other				Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other				Sample Receipt Temp: (lab use only)			
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	Terraphase Engineering Inc.	Name:	Marquez CES									Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report Please note varying TAT for analyses discussed with Patty Mata			
Report To:	Clare Steedman	Number:	S030.076												
Email:	clare.steedman@terrphase.com	P.O. #:													
Address:	18401 Von Karman Ave. #410, Irvine, CA 91812	Address:	16821 Marquez Ave, Pacific Palisades, CA 90272												
Phone:	949-377-2227	Global ID:													
Fax:		Sampled By:	O. Chen												
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 6010B T22 Metals	EPA 7471A - Hg	PLM - Asbestos	8270 SIM PAHs	8081A - OCPs	8082 - PCBs	EPA Method 8290 (Dioxins and Furans)	8260B/5035 - VOCs	EPA 8015 carbon chain	Moisture content
1 comp-6	4/17/25	-	S	-	ice	X	X	X	X	X	X	X	X	X	X
2 comp-7	↓	-	↓	-	↓	X	X	X	X	X	X	X	X	X	X
3 comp-8	↓	-	↓	-	↓	X	X	X	X	X	X	X	X	X	X
4 comp-9	↓	-	↓	-	↓	X	X	X	X	X	X	X	X	X	X
5 comp-10	4/17/25	-	S	← 8082-3408 of	ice	X	X	X	X	X	X	X	X	X	X
6															
7															
8															
9															
10															
Signature			Print Name			Company / Title			Date / Time						
1 Relinquished By: [Signature]			Owen Owen			TEI			4/17/25 1344						
1 Received By: [Signature]			T/15 Kelly			Enthalpy			4/17/25 1549						
2 Relinquished By:															
2 Received By:															
3 Relinquished By:															
3 Received By:															

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 4/17/25 WO# 531281 Client: Terraphase Engineering

Section 2: Shipping / Custody

Are custody seals present? ☐ Yes ☐ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☒ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 4/17/25 By (initials) TLK Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0

Cooler Temp (°C) #1: 9.8 / 9.8 #2: 7.3 / 7.3 #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples

☒ No microbiology samples submitted (skip 3b)

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples

☒ No air samples submitted (skip 3c)

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples

	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	x		
2) Is the sampler's name present on the CoC?	x		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	x		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	x		
5) Were all of, and only, the correct samples received?	x		
6) Are sample labels present, legible, and in agreement with the CoC?	x		
7) Does the container count match the CoC?		x	
8) Was sufficient sample volume / mass received for the analyses requested?	x		
9) Were samples received in proper containers for the analyses requested?	x		
10) Were samples received with > 1/2 holding time remaining?	x		
11) Are samples properly preserved as indicated by CoC / labels?	x		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			x
13) Are VOA vials free from headspace/bubbles > 6mm?			x

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

Received 3 5035 vials for Sample 28. COC does not indicate these for analysis

☐ No additional discrepancies

Date Logged 4/17/25 By (print) Tris Kelly

(sign) [Signature]

Date Labeled 4/17/25 By (print) Tris Kelly

(sign) [Signature]

[External] - LAUSD Marquez CES additional test results - Enthalpy Data (531917)

From Jonathan Marshak <jonathan.marshak@terrphase.com>

Date Tue 5/6/2025 9:50 AM

To Patty Mata <patty.mata@enthalpy.com>

Cc Clare Steedman <clare.steedman@terrphase.com>

 2 attachments (3 MB)

531917_level2.pdf; 531917_terraphase.zip;

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hello Patty,

Thanks for sending.

- We would like to run sample G31-250417 (531917-001) for STLC and TCLP for lead.
- For the samples G43 and G44, the RL and MDL for delta-BHC is higher than the screening criterion we're using (0.0038 mg/kg).
 - Are there any QC adjustments that can be made so that the MDL or RL would be below the screening level?

Thanks,

Jon Marshak, PG

Senior Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

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

www.terrphase.com

This e-mail (including any attachments to it) is intended solely for the use of the individual(s) or entity named above. It may contain confidential or privileged information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately and delete the original message.

From: Patty Mata <patty.mata@enthalpy.com>

Sent: Monday, May 5, 2025 1:43 PM

Analysis Results for 531917

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 531917
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 04/17/25

Sample ID: G31-250417

Lab ID: 531917-001

Collected: 04/17/25 12:54

531917-001 Analyte	Result	Qual	Units	RL	MDL	Basis	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD												
Moisture, Percent	1		%	1			Soil	1	370268	05/01/25	05/02/25	TRR
Method: EPA 6010B Prep Method: EPA 3015A												
Lead	0.090		mg/L	0.015	0.0062		TCLP Leachate	1	370679	05/07/25	05/07/25	CAP
Method: EPA 6010B Prep Method: EPA 3050B												
Lead	310		mg/Kg	0.98	0.70	Dry	Soil	0.97	370060	04/29/25	04/30/25	SBW
Method: EPA 6010B Prep Method: METHOD												
Lead	2.7		mg/L	0.15	0.051		WET Leachate	10	370838	05/08/25	05/08/25	SBW

Sample ID: G32-250417

Lab ID: 531917-002

Collected: 04/17/25 12:56

Matrix: Soil

Basis: Dry

531917-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	5		%	1		1	370268	05/01/25	05/02/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	49		mg/Kg	1.0	0.74	0.98	370060	04/29/25	04/30/25	SBW

Sample ID: G33-250417

Lab ID: 531917-003

Collected: 04/17/25 12:57

Matrix: Soil

Basis: Dry

531917-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	1		%	1		1	370268	05/01/25	05/02/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	80		mg/Kg	1.0	0.71	0.99	370060	04/29/25	04/30/25	SBW

Analysis Results for 531917

Sample ID: G34-250417	Lab ID: 531917-004	Collected: 04/17/25 12:58
	Matrix: Soil	Basis: Dry

531917-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	5		%	1		1	370268	05/01/25	05/02/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	100		mg/Kg	1.0	0.72	0.95	370060	04/29/25	04/30/25	SBW

Sample ID: G35-250417	Lab ID: 531917-005	Collected: 04/17/25 13:00
	Matrix: Soil	Basis: Dry

531917-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	ND		%	1		1	370268	05/01/25	05/02/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	32		mg/Kg	0.98	0.70	0.97	370060	04/29/25	04/30/25	SBW

Sample ID: G43-250417	Lab ID: 531917-006	Collected: 04/17/25 11:59
	Matrix: Soil	Basis: Dry

531917-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	24		%	1		1	370268	05/01/25	05/02/25	TRR
Method: EPA 8081A Prep Method: EPA 3546										
delta-BHC	ND		ug/Kg	6.5	3.1	0.99	370126	04/30/25	05/06/25	MES
Surrogates	Limits									
TCMX	101%		%REC	23-120		0.99	370126	04/30/25	05/06/25	MES
Decachlorobiphenyl	58%		%REC	24-120		0.99	370126	04/30/25	05/06/25	MES

Sample ID: G44-250417	Lab ID: 531917-007	Collected: 04/17/25 12:02
	Matrix: Soil	Basis: Dry

531917-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	35		%	1		1	370268	05/01/25	05/02/25	TRR
Method: EPA 8081A Prep Method: EPA 3546										
delta-BHC	ND		ug/Kg	7.8	3.7	1	370126	04/30/25	05/06/25	MES
Surrogates	Limits									
TCMX	66%		%REC	23-120		1	370126	04/30/25	05/06/25	MES
Decachlorobiphenyl	54%		%REC	24-120		1	370126	04/30/25	05/06/25	MES

Analysis Results for 531917

ND Not Detected

Batch QC

Type: Sample Duplicate	Lab ID: QC1253697	Batch: 370268
Matrix (Source ID): Soil (531865-005)	Method: ASTM D2216	Prep Method: METHOD

QC1253697 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	6.032	7.990	%		28*	20		1

Type: Blank	Lab ID: QC1255188	Batch: 370679
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3015A

QC1255188 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.015	0.0062	05/07/25	05/07/25

Type: Lab Control Sample	Lab ID: QC1255189	Batch: 370679
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3015A

QC1255189 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	1.839	2.000	mg/L	92%		80-120

Type: Matrix Spike	Lab ID: QC1255190	Batch: 370679
Matrix (Source ID): TCLP Leachate (531746-013)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1255190 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	1.907	0.07009	2.000	mg/L	92%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1255191	Batch: 370679
Matrix (Source ID): TCLP Leachate (531746-013)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1255191 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	1.886	0.07009	2.000	mg/L	91%		75-125	1	20	1

Type: Serial Dilution	Lab ID: QC1255215	Batch: 370679
Matrix (Source ID): TCLP Leachate (531917-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1255215 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	0.1006	0.08983	mg/L				5

Type: Blank	Lab ID: QC1255618	Batch: 370838
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1255618 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.15	0.051	05/08/25	05/08/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1255619	Batch: 370838
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1255619 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	3.993	4.000	mg/L	100%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1255620	Batch: 370838
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1255620 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Lead	4.073	4.000	mg/L	102%		80-120	2	20

Type: Serial Dilution	Lab ID: QC1255678	Batch: 370838
Matrix (Source ID): WET Leachate (531356-001)	Method: EPA 6010B	Prep Method: METHOD

QC1255678 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	ND	ND	mg/L				50

Type: Blank	Lab ID: QC1253020	Batch: 370060
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1253020 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	0.71	04/29/25	04/30/25

Type: Lab Control Sample	Lab ID: QC1253021	Batch: 370060
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1253021 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	106.1	100.0	mg/Kg	106%		80-120

Type: Matrix Spike	Lab ID: QC1253022	Batch: 370060
Matrix (Source ID): Soil (531917-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1253022 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	301.0	304.8	100.0	mg/Kg	-4%	*	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1253023	Batch: 370060
Matrix (Source ID): Soil (531917-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1253023 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	289.9	304.8	98.04	mg/Kg	-15%	*	75-125	3	20	0.98

Batch QC

Type: Post Digest Spike	Lab ID: QC1253024	Batch: 370060
Matrix (Source ID): Soil (531917-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1253024 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	384.0	304.8	97.09	mg/Kg	82%		75-125	0.97

Type: Serial Dilution	Lab ID: QC1253178	Batch: 370060
Matrix (Source ID): Soil (531917-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1253178 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	321.0	304.8	mg/Kg				4.9

Type: Blank	Lab ID: QC1253250	Batch: 370126
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546

QC1253250 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
delta-BHC	ND		ug/Kg	5.1	2.4	04/30/25	05/01/25
Surrogates			Limits				
TCMX	94%		%REC	23-120		04/30/25	05/01/25
Decachlorobiphenyl	96%		%REC	24-120		04/30/25	05/01/25

Type: Lab Control Sample	Lab ID: QC1253251	Batch: 370126
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546

QC1253251 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
delta-BHC	58.61	49.02	ug/Kg	120%		24-131
Surrogates						
TCMX	52.98	49.02	ug/Kg	108%		23-120
Decachlorobiphenyl	56.31	49.02	ug/Kg	115%		24-120

Type: Matrix Spike	Lab ID: QC1253252	Batch: 370126
Matrix (Source ID): Soil (531865-005)	Method: EPA 8081A	Prep Method: EPA 3546
		Basis: Dry

QC1253252 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
delta-BHC	25.03	ND	55.46	ug/Kg	45%		38-123	5.1
Surrogates								
TCMX	51.53		55.46	ug/Kg	93%		23-120	5.1
Decachlorobiphenyl	47.32		55.46	ug/Kg	85%		24-120	5.1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1253253	Batch: 370126
Matrix (Source ID): Soil (531865-005)	Method: EPA 8081A	Prep Method: EPA 3546
		Basis: Dry

QC1253253 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
delta-BHC	34.57	ND	55.46	ug/Kg	62%		38-123	32*	30	5.1
Surrogates										
TCMX	55.23		55.46	ug/Kg	100%		23-120			5.1
Decachlorobiphenyl	49.08		55.46	ug/Kg	89%		24-120			5.1

* Value is outside QC limits
ND Not Detected



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

enthalpy.com

Lab Job Number : 532165
Report Level : II
Report Date : 05/14/2025
Revision : 3 (See narrative)

Analytical Report *prepared for:*

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - Marquez CES / S030.076

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, ORELAP# 4197

Sample Summary

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite
#410
Irvine, CA 92612

Lab Job #: 532165
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 05/01/25

Sample ID	Lab ID	Collected	Matrix
G 49	532165-001	05/01/25 08:17	Soil
G 50	532165-002	05/01/25 08:21	Soil
G 51	532165-003	05/01/25 08:25	Soil
G 52	532165-004	05/01/25 08:30	Soil
COMP-11	532165-005	05/01/25 00:00	Soil
G 53	532165-006	05/01/25 09:15	Soil
G 54	532165-007	05/01/25 09:18	Soil
G 55	532165-008	05/01/25 09:21	Soil
G 56	532165-009	05/01/25 09:25	Soil
G 57	532165-010	05/01/25 09:31	Soil
COMP-12	532165-011	05/01/25 00:00	Soil
DUP01-050125	532165-012	05/01/25 00:00	Soil
DUP02-050125	532165-013	05/01/25 00:00	Soil
G 58	532165-014	05/01/25 09:31	Soil
G 59	532165-015	05/01/25 09:35	Soil
G 60	532165-016	05/01/25 09:40	Soil
G 61	532165-017	05/01/25 09:43	Soil
G 62	532165-018	05/01/25 09:48	Soil
COMP-13	532165-019	05/01/25 00:00	Soil
G 63	532165-020	05/01/25 09:51	Soil
G 64	532165-021	05/01/25 09:55	Soil
G 65	532165-022	05/01/25 10:00	Soil
COMP-14	532165-023	05/01/25 00:00	Soil
G 66	532165-024	05/01/25 10:15	Soil
G 67	532165-025	05/01/25 10:18	Soil
G 68	532165-026	05/01/25 10:20	Soil

Sample Summary

Clare Steedman
 Terraphase Engineering
 18401 Von Karman Ave, Suite
 #410
 Irvine, CA 92612

Lab Job #: 532165
 Project No: LAUSD SCHOOL
 Location: Marquez CES / S030.076
 Date Received: 05/01/25

Sample ID	Lab ID	Collected	Matrix
G 69	532165-027	05/01/25 10:23	Soil
G 70	532165-028	05/01/25 10:26	Soil
COMP-15	532165-029	05/01/25 00:00	Soil
G 71	532165-030	05/01/25 10:30	Soil
G 72	532165-031	05/01/25 10:33	Soil
G 73	532165-032	05/01/25 10:38	Soil
G 74	532165-033	05/01/25 10:42	Soil
G 75	532165-034	05/01/25 10:45	Soil
COMP-16	532165-035	05/01/25 00:00	Soil
G 76	532165-036	05/01/25 10:50	Soil
G 77	532165-037	05/01/25 10:55	Soil
G 78	532165-038	05/01/25 11:00	Soil
G 79	532165-039	05/01/25 11:05	Soil
G 80	532165-040	05/01/25 11:10	Soil
COMP-17	532165-041	05/01/25 00:00	Soil
G 81	532165-042	05/01/25 11:15	Soil
G 82	532165-043	05/01/25 11:20	Soil
G 83	532165-044	05/01/25 11:25	Soil
G 84	532165-045	05/01/25 11:30	Soil
G 85	532165-046	05/01/25 11:35	Soil
COMP-18	532165-047	05/01/25 00:00	Soil
G 86	532165-048	05/01/25 11:35	Soil
G 87	532165-049	05/01/25 11:40	Soil
COMP-19	532165-050	05/01/25 00:00	Soil
TB-050125	532165-051	05/01/25 00:00	Water

Case Narrative

Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612
Clare Steedman

Lab Job Number: 532165
Project No: LAUSD SCHOOL
Location: Marquez CES /
S030.076
Date Received: 05/01/25

- This data package contains sample and QC results for six five-point soil composites, five soil samples, one water sample, one four-point soil composite, one three-point soil composite, and one two-point soil composite, requested for the above referenced project on 05/01/25. The samples were received cold and intact.
- Revised report on 5/14/25 to include additional total Lead test results as requested.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015M):

No analytical problems were encountered.

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

- Low recoveries were observed for a number of analytes in the MSD for batch 370475; the parent sample was not a project sample, the LCS/LCSD were within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

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

- Low recoveries were observed for a number of analytes in the MS/MSD for batch 370403; the parent sample was not a project sample, the LCS/LCSD were within limits, and the associated RPDs were within limits.
- Low recoveries were observed for many analytes in the MSD for batch 370552; the parent sample was not a project sample, and the LCS/LCSD were within limits. High RPD was observed for a number of analytes in the MS/MSD for batch 370552; the RPD was acceptable in the LCS/LCSD, and these analytes were not detected at or above the RL in the associated samples.
- G 57 (lab # 532165-010) and DUP02-050125 (lab # 532165-013) were diluted due to relatively high hydrocarbon concentrations. The reporting limits were elevated due to the necessary dilutions.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

- Lab numbers 532165-011, 532165-012, 532165-019, 532165-023, 532165-029, 532165-035, 532165-041, and 532165-047 were diluted due to the dark and viscous nature of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilutions.
- No other analytical problems were encountered.

Pesticides (EPA 8081A):

- High recovery was observed for gamma-BHC in the MSD of COMP-15 (lab # 532165-029); the LCS was within limits, and this analyte was not detected at or above the RL in the associated samples. High RPD was observed for gamma-BHC and 4,4'-DDD in the MS/MSD of COMP-15 (lab # 532165-029); these analytes were not detected at or above the RL in the associated samples.
- High surrogate recovery was observed for TCMX in COMP-18 (lab # 532165-047); the corresponding decachlorobiphenyl surrogate recovery was within limits.
- High surrogate recovery was observed for decachlorobiphenyl in COMP-14 (lab # 532165-023); the corresponding TCMX surrogate recovery was within limits, and no target analytes were detected in the sample.
- COMP-14 (lab # 532165-023) and COMP-18 (lab # 532165-047) were diluted due to the dark color of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilutions.
- No other analytical problems were encountered.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD of G 63 (lab # 532165-020); the LCS was within limits, the associated RPD was within limits, and these low recoveries were not associated with any reported results. High recovery was observed for zinc in the MS of G 63 (lab # 532165-020); the LCS was within limits, and the high recovery was not associated with any reported results. High RPD was also observed for zinc in the MS/MSD of G 63 (lab # 532165-020); the high RPD was not associated with any reported results.
- Low recoveries were observed for antimony in the MS/MSD for batch 370407; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. High recovery was observed for barium in the MS for batch 370407; the LCS was within limits, and the associated RPD was within limits.
- Barium and nickel were detected between the MDL and the RL in the method blank for batch 370947; these analytes were not detected in the sample at or above the RL.
- No other analytical problems were encountered.

Moisture (ASTM D2216):

No analytical problems were encountered.

Dioxins & Furans (EPA 8290):

Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

Asbestos by PLM (EPA 600/R-93-116):

MicroTest Laboratories, Inc. in Rancho Cordova, CA performed the analysis (see sublab report section for certifications). Please see the MicroTest Laboratories, Inc. case narrative.

Detection Summary

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 532165
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 05/01/25

Sample ID: G 52

Lab ID: 532165-004

Collected: 05/01/25 08:30

Matrix: Soil

Basis: Dry

532165-004 Analyte

Method: ASTM D2216

Prep Method: METHOD

	Result	Qual	Units	RL	MDL
Moisture, Percent	3		%	1	

Method: EPA 8260B

Prep Method: EPA 5035

Acetone	60	J	ug/Kg	130	59
---------	----	---	-------	-----	----

Detection Summary

Sample ID: COMP-11
Lab ID: 532165-005
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-005 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	4		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	4.4		mg/Kg	0.99	0.70
Barium	180		mg/Kg	0.99	0.31
Beryllium	0.43	J	mg/Kg	0.50	0.033
Cadmium	1.0		mg/Kg	0.50	0.074
Chromium	24		mg/Kg	0.99	0.30
Cobalt	9.4		mg/Kg	0.50	0.26
Copper	39		mg/Kg	0.99	0.75
Lead	8.8		mg/Kg	0.99	0.71
Molybdenum	2.5		mg/Kg	0.99	0.54
Nickel	18		mg/Kg	0.99	0.34
Vanadium	50		mg/Kg	0.99	0.16
Zinc	140		mg/Kg	5.0	2.3
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	12		mg/Kg	10	3.8
ORO C28-C44	28		mg/Kg	21	3.8
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Naphthalene	2.3	J	ug/Kg	10	1.7
Phenanthrene	7.2	J	ug/Kg	10	1.8
Anthracene	1.6	J	ug/Kg	10	1.0
Fluoranthene	5.2	J	ug/Kg	10	1.5
Pyrene	4.3	J	ug/Kg	10	3.4
Benzo(a)anthracene	2.0	J	ug/Kg	10	0.82
Chrysene	2.2	J	ug/Kg	10	0.69
Benzo(b)fluoranthene	3.2	J	ug/Kg	10	0.92
Benzo(a)pyrene	1.6	J	ug/Kg	10	1.6
Indeno(1,2,3-cd)pyrene	1.4	J	ug/Kg	10	1.0
Benzo(g,h,i)perylene	2.2	J	ug/Kg	10	1.3

Sample ID: G 57
Lab ID: 532165-010
Collected: 05/01/25 09:31
Matrix: Soil
Basis: Dry

532165-010 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	7		%	1	
Method: EPA 8260B Prep Method: EPA 5035					
1,2,4-Trimethylbenzene	690		ug/Kg	540	97
para-Isopropyl Toluene	9,900		ug/Kg	540	120

Detection Summary

Sample ID: COMP-12
Lab ID: 532165-011
Collected: 05/01/25
Matrix: Soil
Basis: Dry
532165-011 Analyte
Result
Qual
Units
RL
MDL

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent

4

%

1

Method: EPA 6010B

Prep Method: EPA 3050B

Arsenic

5.2

mg/Kg

1.0

0.72

Barium

100

mg/Kg

1.0

0.32

Beryllium

0.55

mg/Kg

0.51

0.034

Cadmium

0.88

mg/Kg

0.51

0.076

Chromium

20

mg/Kg

1.0

0.31

Cobalt

9.0

mg/Kg

0.51

0.27

Copper

25

mg/Kg

1.0

0.77

Lead

11

mg/Kg

1.0

0.73

Molybdenum

2.1

mg/Kg

1.0

0.56

Nickel

17

mg/Kg

1.0

0.35

Vanadium

42

mg/Kg

1.0

0.16

Zinc

310

mg/Kg

5.1

2.3

Method: EPA 8015M

Prep Method: EPA 3580M

GRO C8-C10

31

mg/Kg

21

7.6

DRO C10-C28

260

mg/Kg

21

7.6

ORO C28-C44

190

mg/Kg

41

7.6

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene

16

J

ug/Kg

21

2.2

2-Methylnaphthalene

21

ug/Kg

21

3.0

Naphthalene

31

ug/Kg

21

3.3

Acenaphthylene

6.8

J

ug/Kg

21

2.3

Fluorene

11

J

ug/Kg

21

1.7

Phenanthrene

57

ug/Kg

21

3.5

Anthracene

9.0

J

ug/Kg

21

2.1

Fluoranthene

16

J

ug/Kg

21

3.0

Pyrene

10

J

ug/Kg

21

6.8

Benzo(a)anthracene

2.5

J

ug/Kg

21

1.6

Chrysene

4.5

J

ug/Kg

21

1.4

Detection Summary

Sample ID: DUP01-050125
Lab ID: 532165-012
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-012 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	3		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	4.4		mg/Kg	1.0	0.71
Barium	110		mg/Kg	1.0	0.32
Beryllium	0.49	J	mg/Kg	0.51	0.034
Cadmium	0.95		mg/Kg	0.51	0.075
Chromium	20		mg/Kg	1.0	0.31
Cobalt	8.2		mg/Kg	0.51	0.26
Copper	31		mg/Kg	1.0	0.76
Lead	17		mg/Kg	1.0	0.72
Molybdenum	2.2		mg/Kg	1.0	0.55
Nickel	18		mg/Kg	1.0	0.34
Vanadium	42		mg/Kg	1.0	0.16
Zinc	310		mg/Kg	5.1	2.3
Method: EPA 8015M Prep Method: EPA 3580M					
GRO C8-C10	8.8	J	mg/Kg	20	7.4
DRO C10-C28	100		mg/Kg	20	7.4
ORO C28-C44	74		mg/Kg	40	7.4
Method: EPA 8270C-SIM Prep Method: EPA 3546					
1-Methylnaphthalene	21		ug/Kg	21	2.2
2-Methylnaphthalene	31		ug/Kg	21	3.0
Naphthalene	48		ug/Kg	21	3.3
Acenaphthylene	7.6	J	ug/Kg	21	2.3
Fluorene	16	J	ug/Kg	21	1.7
Phenanthrene	74		ug/Kg	21	3.4
Anthracene	12	J	ug/Kg	21	2.0
Fluoranthene	22		ug/Kg	21	3.0
Pyrene	16	J	ug/Kg	21	6.7
Benzo(a)anthracene	2.9	J	ug/Kg	21	1.6
Chrysene	4.2	J	ug/Kg	21	1.4

Sample ID: DUP02-050125
Lab ID: 532165-013
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-013 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	8		%	1	
Method: EPA 8260B Prep Method: EPA 5035					
para-Isopropyl Toluene	3,200		ug/Kg	580	120

Detection Summary

Sample ID: COMP-13	Lab ID: 532165-019	Collected: 05/01/25
	Matrix: Soil	Basis: Dry

532165-019 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	6		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Antimony	1.6	J	mg/Kg	3.2	1.6
Arsenic	5.7		mg/Kg	1.1	0.75
Barium	160		mg/Kg	1.1	0.34
Beryllium	0.51	J	mg/Kg	0.53	0.036
Cadmium	2.0		mg/Kg	0.53	0.079
Chromium	14		mg/Kg	1.1	0.32
Cobalt	9.4		mg/Kg	0.53	0.28
Copper	38		mg/Kg	1.1	0.80
Lead	33		mg/Kg	1.1	0.76
Molybdenum	2.4		mg/Kg	1.1	0.58
Nickel	17		mg/Kg	1.1	0.36
Vanadium	61		mg/Kg	1.1	0.17
Zinc	220		mg/Kg	5.3	2.4
Method: EPA 8270C-SIM Prep Method: EPA 3546					
1-Methylnaphthalene	27		ug/Kg	21	2.3
2-Methylnaphthalene	31		ug/Kg	21	3.1
Naphthalene	65		ug/Kg	21	3.4
Acenaphthylene	9.6	J	ug/Kg	21	2.4
Acenaphthene	1.7	J	ug/Kg	21	1.6
Fluorene	9.9	J	ug/Kg	21	1.8
Phenanthrene	52		ug/Kg	21	3.6
Anthracene	10	J	ug/Kg	21	2.1
Fluoranthene	15	J	ug/Kg	21	3.1
Pyrene	12	J	ug/Kg	21	7.0
Benzo(a)anthracene	2.6	J	ug/Kg	21	1.7
Chrysene	4.0	J	ug/Kg	21	1.4

Sample ID: G 63	Lab ID: 532165-020	Collected: 05/01/25 09:51
	Matrix: Soil	Basis: Dry

532165-020 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	2		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Lead	44		mg/Kg	1.0	0.72

Detection Summary

Sample ID: G 64	Lab ID: 532165-021	Collected: 05/01/25 09:55
	Matrix: Soil	Basis: Dry

532165-021 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	1		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Lead	80		mg/Kg	0.96	0.69

Sample ID: G 65	Lab ID: 532165-022	Collected: 05/01/25 10:00
	Matrix: Soil	Basis: Dry

532165-022 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Lead	73		mg/Kg	0.98	0.70

Detection Summary

Sample ID: COMP-14

Lab ID: 532165-023

Collected: 05/01/25

Matrix: Soil

Basis: Dry

532165-023 Analyte

Method: ASTM D2216

Prep Method: METHOD

	Result	Qual	Units	RL	MDL
Moisture, Percent	5		%	1	

Method: EPA 6010B

Prep Method: EPA 3050B

Arsenic	7.5		mg/Kg	1.0	0.72
Barium	88		mg/Kg	1.0	0.32
Beryllium	0.43	J	mg/Kg	0.51	0.034
Cadmium	1.6		mg/Kg	0.51	0.076
Chromium	18		mg/Kg	1.0	0.31
Cobalt	9.1		mg/Kg	0.51	0.27
Copper	42		mg/Kg	1.0	0.77
Lead	53		mg/Kg	1.0	0.73
Molybdenum	2.9		mg/Kg	1.0	0.56
Nickel	18		mg/Kg	1.0	0.35
Vanadium	44		mg/Kg	1.0	0.16
Zinc	230		mg/Kg	5.1	2.3

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	17	J	ug/Kg	21	2.3
2-Methylnaphthalene	18	J	ug/Kg	21	3.0
Naphthalene	45		ug/Kg	21	3.3
Acenaphthylene	4.2	J	ug/Kg	21	2.3
Fluorene	4.8	J	ug/Kg	21	1.8
Phenanthrene	55		ug/Kg	21	3.5
Anthracene	9.7	J	ug/Kg	21	2.1
Fluoranthene	20	J	ug/Kg	21	3.0
Pyrene	16	J	ug/Kg	21	6.8
Benzo(a)anthracene	4.2	J	ug/Kg	21	1.6
Chrysene	7.5	J	ug/Kg	21	1.4
Indeno(1,2,3-cd)pyrene	2.2	J	ug/Kg	21	2.0
Benzo(g,h,i)perylene	2.8	J	ug/Kg	21	2.6

Detection Summary

Sample ID: COMP-15
Lab ID: 532165-029
Collected: 05/01/25
Matrix: Soil
Basis: Dry
532165-029 Analyte
Result
Qual
Units
RL
MDL

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent

7

%

1

Method: EPA 6010B

Prep Method: EPA 3050B

Arsenic

5.9

mg/Kg

1.1

0.76

Barium

110

mg/Kg

1.1

0.34

Beryllium

0.57

mg/Kg

0.54

0.036

Cadmium

1.5

mg/Kg

0.54

0.080

Chromium

25

mg/Kg

1.1

0.33

Cobalt

10

mg/Kg

0.54

0.28

Copper

38

mg/Kg

1.1

0.81

Lead

33

mg/Kg

1.1

0.77

Molybdenum

3.5

mg/Kg

1.1

0.59

Nickel

19

mg/Kg

1.1

0.37

Vanadium

55

mg/Kg

1.1

0.17

Zinc

370

mg/Kg

5.4

2.5

Method: EPA 8081A

Prep Method: EPA 3546

4,4'-DDE

5.0

J

ug/Kg

5.4

3.4

4,4'-DDT

15

C

ug/Kg

5.4

2.2

Detection Summary

Sample ID: COMP-16
Lab ID: 532165-035
Collected: 05/01/25
Matrix: Soil
Basis: Dry
532165-035 Analyte

	Result	Qual	Units	RL	MDL
Method: ASTM D2216					
Prep Method: METHOD					

Moisture, Percent	5		%	1	
-------------------	---	--	---	---	--

Method: EPA 6010B

Prep Method: EPA 3050B

Arsenic	12		mg/Kg	1.0	0.71
Barium	130		mg/Kg	1.0	0.32
Beryllium	0.41	J	mg/Kg	0.51	0.034
Cadmium	1.4		mg/Kg	0.51	0.075
Chromium	32		mg/Kg	1.0	0.31
Cobalt	6.9		mg/Kg	0.51	0.26
Copper	50		mg/Kg	1.0	0.76
Lead	41		mg/Kg	1.0	0.72
Molybdenum	2.2		mg/Kg	1.0	0.55
Nickel	24		mg/Kg	1.0	0.34
Silver	0.29	J	mg/Kg	0.51	0.17
Vanadium	40		mg/Kg	1.0	0.16
Zinc	210		mg/Kg	5.1	2.3

Method: EPA 7471A

Prep Method: EPA 7471A

Mercury	0.17		mg/Kg	0.16	0.058
---------	------	--	-------	------	-------

Method: EPA 8270C-SIM

Prep Method: EPA 3546

Phenanthrene	22	J	ug/Kg	100	17
Fluoranthene	33	J	ug/Kg	100	15
Benzo(a)anthracene	13	J	ug/Kg	100	8.1
Chrysene	20	J	ug/Kg	100	6.8
Benzo(b)fluoranthene	25	J	ug/Kg	100	9.1
Indeno(1,2,3-cd)pyrene	11	J	ug/Kg	100	10
Benzo(g,h,i)perylene	17	J	ug/Kg	100	13

Sample ID: G 76
Lab ID: 532165-036
Collected: 05/01/25 10:50
Matrix: Soil
532165-036 Analyte

	Result	Qual	Units	RL	MDL
Method: ASTM D2216					
Prep Method: METHOD					

Moisture, Percent	4		%	1	
-------------------	---	--	---	---	--

Method: EPA 6010B

Prep Method: EPA 3050B

Lead	75		mg/Kg	0.98	0.70
------	----	--	-------	------	------

Method: EPA 8260B

Prep Method: EPA 5035

Acetone	210		ug/Kg	180	82
2-Butanone	14	J	ug/Kg	180	13

Detection Summary

Sample ID: G 77		Lab ID: 532165-037		Collected: 05/01/25 10:55		
		Matrix: Soil		Basis: Dry		
532165-037 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		2		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		75		mg/Kg	1.0	0.73
Sample ID: G 78		Lab ID: 532165-038		Collected: 05/01/25 11:00		
		Matrix: Soil		Basis: Dry		
532165-038 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		3		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		61		mg/Kg	1.0	0.72
Sample ID: G 79		Lab ID: 532165-039		Collected: 05/01/25 11:05		
		Matrix: Soil		Basis: Dry		
532165-039 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		2		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		110		mg/Kg	1.0	0.71
Sample ID: G 80		Lab ID: 532165-040		Collected: 05/01/25 11:10		
		Matrix: Soil		Basis: Dry		
532165-040 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		2		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		48		mg/Kg	0.97	0.69

Detection Summary

Sample ID: COMP-17	Lab ID: 532165-041	Collected: 05/01/25
	Matrix: Soil	Basis: Dry

532165-041 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	4		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	6.7		mg/Kg	1.0	0.72
Barium	69		mg/Kg	1.0	0.32
Beryllium	0.36	J	mg/Kg	0.51	0.034
Cadmium	1.3		mg/Kg	0.51	0.076
Chromium	32		mg/Kg	1.0	0.31
Cobalt	7.7		mg/Kg	0.51	0.27
Copper	42		mg/Kg	1.0	0.77
Lead	94		mg/Kg	1.0	0.73
Molybdenum	1.8		mg/Kg	1.0	0.56
Nickel	16		mg/Kg	1.0	0.35
Vanadium	36		mg/Kg	1.0	0.16
Zinc	410		mg/Kg	5.1	2.3
Method: EPA 7471A Prep Method: EPA 7471A					
Mercury	0.12	J	mg/Kg	0.17	0.062
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	110		mg/Kg	21	7.7
ORO C28-C44	120		mg/Kg	42	7.7
Method: EPA 8081A Prep Method: EPA 3546					
4,4'-DDE	73		ug/Kg	5.2	3.3
4,4'-DDT	33		ug/Kg	5.2	2.1
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Chrysene	6.9	J	ug/Kg	100	6.8
Benzo(b)fluoranthene	10	J	ug/Kg	100	9.1
Benzo(g,h,i)perylene	14	J	ug/Kg	100	13

Sample ID: G 81	Lab ID: 532165-042	Collected: 05/01/25 11:15
	Matrix: Soil	Basis: Dry

532165-042 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Lead	270		mg/Kg	1.0	0.72

Detection Summary

Sample ID: G 82		Lab ID: 532165-043		Collected: 05/01/25 11:20		
		Matrix: Soil		Basis: Dry		
532165-043 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		5		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		24		mg/Kg	1.0	0.72
Sample ID: G 83		Lab ID: 532165-044		Collected: 05/01/25 11:25		
		Matrix: Soil		Basis: Dry		
532165-044 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		2		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		97		mg/Kg	0.99	0.71
Sample ID: G 84		Lab ID: 532165-045		Collected: 05/01/25 11:30		
		Matrix: Soil		Basis: Dry		
532165-045 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		10		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		81		mg/Kg	1.1	0.78
Sample ID: G 85		Lab ID: 532165-046		Collected: 05/01/25 11:35		
		Matrix: Soil		Basis: Dry		
532165-046 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		4		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		16		mg/Kg	1.0	0.74

Detection Summary

Sample ID: COMP-18

Lab ID: 532165-047

Collected: 05/01/25

Matrix: Soil

Basis: Dry

532165-047 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	5		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	7.2		mg/Kg	1.0	0.70
Barium	130		mg/Kg	1.0	0.32
Beryllium	0.32	J	mg/Kg	0.50	0.034
Cadmium	1.9		mg/Kg	0.50	0.075
Chromium	30		mg/Kg	1.0	0.30
Cobalt	7.1		mg/Kg	0.50	0.26
Copper	54		mg/Kg	1.0	0.76
Lead	69		mg/Kg	1.0	0.72
Molybdenum	3.1		mg/Kg	1.0	0.55
Nickel	18		mg/Kg	1.0	0.34
Silver	0.33	J	mg/Kg	0.50	0.17
Vanadium	37		mg/Kg	1.0	0.16
Zinc	430		mg/Kg	5.0	2.3
Method: EPA 7471A Prep Method: EPA 7471A					
Mercury	0.13	J	mg/Kg	0.16	0.059
Method: EPA 8081A Prep Method: EPA 3546					
4,4'-DDE	94		ug/Kg	10	6.6
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Phenanthrene	33	J	ug/Kg	100	18
Fluoranthene	33	J	ug/Kg	100	15
Benzo(a)anthracene	8.2	J	ug/Kg	100	8.2
Chrysene	17	J	ug/Kg	100	6.9
Benzo(b)fluoranthene	12	J	ug/Kg	100	9.2

Detection Summary

Sample ID: COMP-19	Lab ID: 532165-050	Collected: 05/01/25
	Matrix: Soil	Basis: Dry

532165-050 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	4		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	4.9		mg/Kg	0.99	0.70
Barium	110		mg/Kg	0.99	0.31
Beryllium	0.51		mg/Kg	0.50	0.033
Cadmium	1.9		mg/Kg	0.50	0.074
Chromium	22		mg/Kg	0.99	0.30
Cobalt	12		mg/Kg	0.50	0.26
Copper	37		mg/Kg	0.99	0.75
Lead	15		mg/Kg	0.99	0.71
Molybdenum	2.2		mg/Kg	0.99	0.54
Nickel	19		mg/Kg	0.99	0.34
Vanadium	60		mg/Kg	0.99	0.16
Zinc	120		mg/Kg	5.0	2.3
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Naphthalene	1.7	J	ug/Kg	10	1.7
Phenanthrene	6.1	J	ug/Kg	10	1.7
Anthracene	1.3	J	ug/Kg	10	1.0
Fluoranthene	3.5	J	ug/Kg	10	1.5
Benzo(a)anthracene	1.0	J	ug/Kg	10	0.81
Chrysene	1.6	J	ug/Kg	10	0.68
Benzo(b)fluoranthene	2.3	J	ug/Kg	10	0.91
Indeno(1,2,3-cd)pyrene	1.1	J	ug/Kg	10	1.0
Benzo(g,h,i)perylene	1.8	J	ug/Kg	10	1.3

Sample ID: TB-050125	Lab ID: 532165-051	Collected: 05/01/25
-----------------------------	---------------------------	----------------------------

No Detections

- C Presence confirmed, but RPD between columns exceeds 40%
J Estimated value

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
Lab No: 532165		Page: 1 of 6		Standard:		3 Day: Custom TAT:	
Enthalpy Analytical - Orange		Matrix: A = Air S = Soil/Solid		Preservatives:		Sample Receipt Temp:	
931 W. Barkley Avenue, Orange, CA 92868		W = Water DW = Drinking Water SD = Sediment		1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃			
Phone 714-771-6900		PP = Pure Product SEA = Sea Water		4 = H ₂ SO ₄ 5 = NaOH 6 = Other			
		SW = Swab T = Tissue WP = Wipe O = Other				(lab use only)	
CUSTOMER INFORMATION				PROJECT INFORMATION			
Company:	Terraphase Engineering Inc.	Name:	Marquez CES				
Report To:	Clare Steedman	Number:	S030.076				
Email:	clare.steedman@terrphase.com	P.O. #:					
Address:	18401 Von Karman Ave. #410,	Address:	16821 Marquez Ave,				
	Irvine, CA 91812		Pacific Palisades, CA 90272				
Phone:	949-377-2227	Global ID:					
Fax:		Sampled By:	Jon Marshall				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.		
6449	5-1-25	8:17	S	1-802	ICE		
6450	5-1-25	8:21	S	1-802	ICE		
6451	5-1-25	8:25	S	1-802	ICE		
6452	5-1-25	8:30	S	30A 802	ICE		
COMP-11	-	-	-	-	-		
6453	5-1-25	0915	S	1-802	ICE		
6454	5-1-25	0918	S	1-802	ICE		
6455	5-1-25	0921	S	1-802	ICE		
6456	5-1-25	0925	S	1-802	ICE		
6457	5-1-25	0931	S	1-802, 3 VOA	ICE		
Signature			Print Name		Company / Title		
[Signature]			Jon Marshall		TEL / Geologist		
[Signature]			GEMA O.		EAMH		
[Signature]			GEMA O.		EAMH		
[Signature]			Nao 7 Mar		E.A		
[Signature]			Nao 7 Mar		E.A		
[Signature]			NCM		E.A		
1 Relinquished By:					Date / Time		
1 Received By:			5/01/25		16:28		
2 Relinquished By:			5/01/25		16:28		
2 Received By:			5/2/25		10:50		
3 Relinquished By:			5-2-25		10:50		
3 Received By:			5-2-25		12:21		
3 Received By:			5/2/25		12:21		

jonathan.marshak@terrphase.com
 Additionally, send EDD report
 - Report results in dry weight

Barcode: 532165
 Login: 532165

Moisture content

EPA 8015 carbon chain

8260B/5035 - VOCs

EPA Method 8290 (Dioxins and Furans)

8082 - PCBs

8081A - OCPs

8270 SIM PAHs

PLM - Asbestos

EPA 7471A - Hg

EPA 6010B T22 Metals

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
Lab No: 532165				Standard:		5 Day: X	
Page: 2 of 6				2 Day:		1 Day:	
Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other				Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other		Sample Receipt Temp:	
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900				1 Day:		Custom TAT:	
PROJECT INFORMATION				Analysis Request			
Name: Marquez CES				Please email report to the following: jonathan.marshak@terraphase.com Additionally, send EDD report			
Number: 5030.076							
P.O. #: 16821 Marquez Ave,							
Address: Pacific Palisades, CA 90272							
Global ID:							
Sampled By: Jon Marshak							
Sample ID				Moisture content			
COMP-12				X Composite of discrete globe			
DUP01-050125				X Duplicate of "COMP-12"			
DUP02-050125				X Duplicate of "JN"			
G58				X			
G59				X			
G60				X			
G61				X			
G62				X			
COMP-13				X Composite of discrete globe			
Signature				Date / Time			
Relinquished By:				TEF / Geologist 5/6/25 16:28			
Received By:				EANTH 5-01-25 16:28			
Relinquished By:				EANTH 5-2-25 10:50			
Received By:				E.A. 5-2-25 10:50			
Relinquished By:				E.A. 5-2-25 12:21			
Received By:				NCM 5/2/25 12:21			

IR114-3 / 4-4



Enthalpy Analytical - Orange

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

Chain of Custody Record

Lab No: 532165

Page: 3 of 6

Turn Around Time (rush by advanced notice only)

Standard:

5 Day: X

3 Day:

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid

W = Water DW = Drinking Water SD = Sediment

PP = Pure Product SEA = Sea Water

SW = Swab T = Tissue WP = Wipe O = Other

Company: Terraphase Engineering Inc.

Report To: Clare Steedman

Email: clare.steedman@terraphase.com

Address: 18401 Von Karman Ave. #410, Irvine, CA 91812

Phone: 949-377-2227

Fax:

Name: Marquez CES

Number: 5030.076

P.O. #: 16821 Marquez Ave, Pacific Palisades, CA 90272

Global ID:

Sampled By: Jon Marshak

Sample ID

Sampling Date

Sampling Time

Matrix

Container No. / Size

Pres.

1

663

5-1-25

0951

S

1-802

ICE

2

664

5-1-25

0955

S

1-802

ICE

3

665

5-1-25

1000

S

1-802

ICE

4

COMP-14

-

-

-

-

-

5

666

5-1-25

1015

S

1-802

ICE

6

667

5-1-25

1018

S

1-802

ICE

7

668

5-1-25

1020

S

1-802

ICE

8

669

5-1-25

1023

S

1-802

ICE

9

670

5-1-25

1026

S

1-802

ICE

10

COMP-13

-

-

-

-

-

Analysis Request

EPA 6010B T22 Metals

EPA 7471A - Hg

PLM - Asbestos

8270 SIM PAHs

8081A - OCPs

8082 - PCBs

EPA Method 8290 (Dioxins and Furans)

8260B/5035 - VOCs

EPA 8015 carbon chain

Moisture content

Test Instructions / Comments

Please email report to the following: jonathan.marshak@terraphase.com

Additionally, send EDD report

Report Results in dry weight

COMP-14

Composite of discretes above

COMP-15

Composite of discretes

Signature

Print Name

Company / Title

Date / Time

1 Relinquished By: [Signature]

1 Received By: Jon Marshak

2 Relinquished By: [Signature]

2 Received By: GEMA O.

3 Relinquished By: [Signature]

3 Received By: HAO MAN

4 Relinquished By: [Signature]

4 Received By: NCM

Standard:

5 Day: X

3 Day:

Preservatives:

1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃

4 = H₂SO₄ 5 = NaOH 6 = Other

Sample Receipt Temp:

(lab use only)

IR 11 4.3 14.4

22 of 112



Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Chain of Custody Record

Lab No: 532165
Page: 4 of 6

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

Turn Around Time (rush by advanced notice only)

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

Preservatives:
1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
4 = H₂SO₄ 5 = NaOH 6 = Other
Sample Receipt Temp:
(lab use only)

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request										Test Instructions / Comments	
Company:	Terraphase Engineering Inc.			Name:	Marquez CES			EPA 6010B T22 Metals	EPA 7471A - Hg	PLM - Asbestos	8270 SIM PAHs	8081A - OCPs	8082 - PCBs	EPA Method 8290 (Dioxins and Furans)	8260B/5035 - VOCs	EPA 8015 carbon chain	Moisture content	Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report -report results in dry weight	
Report To:	Clare Steedman			Number:	S030.076														
Email:	clare.steedman@terrphase.com			P.O. #:															
Address:	18401 Von Karman Ave. #410, Irvine, CA 91812			Address:	16821 Marquez Ave, Pacific Palisades, CA 90272														
Phone:	949-377-2227			Global ID:															
Fax:				Sampled By:	Don Marshak														
				Sampling Date	Sampling Time	Matrix	Container No. / Size												Pres.
				5-1-25	1030	S	1-802												ICE
				5-1-25	1033	S	1-802												ICE
				5-1-25	1038	S	1-802												ICE
				5-1-25	1042	S	1-802	ICE											
5	G75	5-1-25	1045	S	1-802	ICE												} COMP-16	
6	COMP-16	-	-	-	-	-													
7	G76	5-1-25	1050	S	1-802 3/4	ICE													} Composite of discretes
8	G77	5-1-25	1055	S	1-802	ICE													
9	G78	5-1-25	1100	S	1-802	ICE													
10	G79	5-1-25	1105	S	1-802	ICE													

Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By:		Don Marshak	Don Marshak	TEL / Geologist	EA NH	5/1/25	16:28
1 Received By:		GEMA O	GEMA O	EA NH	EA NH	5/1/25	16:28
2 Relinquished By:						5/2/25	10:50
2 Received By:						5-2-25	10:50
3 Relinquished By:						5-2-25	12:21
3 Received By:						5/2/25	12:21

IR 4.3 / 4.4



ENTHALPY

ANALYTICAL

Enthalpy Analytical - Orange

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

Chain of Custody Record

Lab No: 532165

Page: 5 of 6

Standard:

5 Day: X

1 Day:

2 Day:

3 Day: X

Turn Around Time (rush by advanced notice only)

Standard:

5 Day: X

1 Day:

2 Day:

3 Day: X

Matrix:

A = Air

S = Soil/Solid

W = Water

DW = Drinking Water

SD = Sediment

PP = Pure Product

SEA = Sea Water

SW = Swab

T = Tissue

WP = Wipe

O = Other

Preservatives:

1 = Na₂S₂O₃

2 = HCl

3 = HNO₃

4 = H₂SO₄

5 = NaOH

6 = Other

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION

Company:

Terraphase Engineering Inc.

Report To:

Clare Steedman

Email:

clare.steedman@terrphase.com

Address:

18401 Von Karman Ave. #410,
Irvine, CA 91812

Phone:

949-377-2227

Fax:

PROJECT INFORMATION

Name:

Marquez CES

Number:

5030.076

P.O. #:

Address:

16821 Marquez Ave,
Pacific Palisades, CA 90272

Global ID:

Sampled By:

Jon Marshak

Sample ID

1

G80

2

Comp-17

3

G81

4

G82

5

G83

6

G84

7

G85

8

Comp-18

9

10

Sampling Date

5-1-25

-

5-1-25

5-1-25

5-1-25

5-1-25

5-1-25

-

Sampling Time

1110

-

1115

1120

1125

1130

1135

-

Container No. / Size

1-802

-

1-802

1-802

1-802

1-802

1-802

-

Matrix

S

-

S

S

S

S

S

-

Pres.

ICE

-

ICE

ICE

ICE

ICE

ICE

-

Analysis Request

EPA 6010B T22 Metals

EPA 7471A - Hg

PLM - Asbestos

8270 SIM PAHs

8081A - OCPs

8082 - PCBs

EPA Method 8290 (Dioxins and Furans)

8260B/5035 - VOCs

EPA 8015 carbon chain

Moisture content

Test Instructions / Comments

Please email report to the following:
jonathan.marshak@terrphase.com
Additionally, send EDD report
- Report Results in dry weight

(see previous page)

Composite of discretes above

Comp-18

Composite of discretes

Signature

Jon Marshak

Clare Steedman

Jon Marshak

Clare Steedman

Jon Marshak

Clare Steedman

Jon Marshak

Clare Steedman

Jon Marshak

Clare Steedman

Print Name

Jon Marshak

Clare Steedman

Jon Marshak

Clare Steedman

Jon Marshak

Clare Steedman

Jon Marshak

Clare Steedman

Jon Marshak

Clare Steedman

Company / Title

TEP/Geologist

EA NH

EA NH

EA

EA

EA

EA

EA

EA

EA

Date / Time

5/01/25 16:28

5/01/25 16:28

5/2/25 10:50

5-2-25 10:50

5-2-25 12:21

5/2/25 12:21

5/2/25 12:21

5/2/25 12:21

5/2/25 12:21

5/2/25 12:21

IR 11 4-3/4-4

Date Received: 5/1/25 WO# 532165 Client: Terraphase

Are custody seals present? ☐ Yes ☒ No

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

Cooler Temp (°C) #1: 4.3 / 4.4 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

☒ No microbiology samples submitted (skip 3b)

☐ Adequate headspace for microbiology analysis.

☒ No air samples submitted (skip 3c)☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

YES	NO	N/A
-----	----	-----



--	--	--



1		
---	--	--

--	--	--

(If no comments are made, then no discrepancies noted.)

[illegible]☐ No additional discrepancies

Date Labeled 5/2/25 By (print) EA-OR (sign) [Signature]

[External] - RE: LAUSD Marquez CES 5/1/25 soils partial report - Enthalpy Data (532165)

From Jonathan Marshak <jonathan.marshak@terrphase.com>

Date Thu 5/8/2025 3:26 PM

To Patty Mata <patty.mata@enthalpy.com>

Cc Clare Steedman <clare.steedman@terrphase.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hello Patty,

Could we please run the following samples for Lead by 6010B:

- G63 to G65 and G76 to G85 (13 total samples)

We would like to request reporting of these samples by close of business 5/14 if possible, 4 business days.

Thanks,

Jon Marshak, PG

Senior Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

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

www.terrphase.com

This e-mail (including any attachments to it) is intended solely for the use of the individual(s) or entity named above. It may contain confidential or privileged information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately and delete the original message.

From: Patty Mata <patty.mata@enthalpy.com>

Sent: Wednesday, May 7, 2025 4:57 PM

To: Jonathan Marshak <jonathan.marshak@terrphase.com>

Subject: LAUSD Marquez CES 5/1/25 soils partial report - Enthalpy Data (532165)

Hi Jon,

All results are attached except for the asbestos test results and the dioxin/furan test results.

Analysis Results for 532165

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 532165
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 05/01/25

Sample ID: G 52

Lab ID: 532165-004

Collected: 05/01/25 08:30

Matrix: Soil

Basis: Dry

532165-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	3		%	1		1	370452	05/04/25	05/04/25	CDR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	6.5	1.5	1.3	370552	05/06/25	05/06/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	6.5	1.9	1.3	370552	05/06/25	05/06/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	6.5	2.1	1.3	370552	05/06/25	05/06/25	ZST
Freon 12	ND		ug/Kg	6.5	3.4	1.3	370552	05/06/25	05/06/25	ZST
Chloromethane	ND		ug/Kg	6.5	4.6	1.3	370552	05/06/25	05/06/25	ZST
Vinyl Chloride	ND		ug/Kg	6.5	4.7	1.3	370552	05/06/25	05/06/25	ZST
Bromomethane	ND		ug/Kg	6.5	2.9	1.3	370552	05/06/25	05/06/25	ZST
Chloroethane	ND		ug/Kg	6.5	5.0	1.3	370552	05/06/25	05/06/25	ZST
Trichlorofluoromethane	ND		ug/Kg	6.5	4.2	1.3	370552	05/06/25	05/06/25	ZST
Acetone	60	J	ug/Kg	130	59	1.3	370552	05/06/25	05/06/25	ZST
Freon 113	ND		ug/Kg	6.5	1.7	1.3	370552	05/06/25	05/06/25	ZST
1,1-Dichloroethene	ND		ug/Kg	6.5	1.8	1.3	370552	05/06/25	05/06/25	ZST
Methylene Chloride	ND		ug/Kg	6.5	6.2	1.3	370552	05/06/25	05/06/25	ZST
MTBE	ND		ug/Kg	6.5	1.4	1.3	370552	05/06/25	05/06/25	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	6.5	2.2	1.3	370552	05/06/25	05/06/25	ZST
1,1-Dichloroethane	ND		ug/Kg	6.5	1.8	1.3	370552	05/06/25	05/06/25	ZST
2-Butanone	ND		ug/Kg	130	9.6	1.3	370552	05/06/25	05/06/25	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	6.5	1.6	1.3	370552	05/06/25	05/06/25	ZST
2,2-Dichloropropane	ND		ug/Kg	6.5	1.1	1.3	370552	05/06/25	05/06/25	ZST
Chloroform	ND		ug/Kg	6.5	0.9	1.3	370552	05/06/25	05/06/25	ZST
Bromochloromethane	ND		ug/Kg	6.5	0.9	1.3	370552	05/06/25	05/06/25	ZST
1,1,1-Trichloroethane	ND		ug/Kg	6.5	1.0	1.3	370552	05/06/25	05/06/25	ZST
1,1-Dichloropropene	ND		ug/Kg	6.5	1.3	1.3	370552	05/06/25	05/06/25	ZST
Carbon Tetrachloride	ND		ug/Kg	6.5	1.1	1.3	370552	05/06/25	05/06/25	ZST
1,2-Dichloroethane	ND		ug/Kg	6.5	0.9	1.3	370552	05/06/25	05/06/25	ZST
Benzene	ND		ug/Kg	6.5	1.2	1.3	370552	05/06/25	05/06/25	ZST
Trichloroethene	ND		ug/Kg	6.5	1.1	1.3	370552	05/06/25	05/06/25	ZST
1,2-Dichloropropane	ND		ug/Kg	6.5	1.5	1.3	370552	05/06/25	05/06/25	ZST
Bromodichloromethane	ND		ug/Kg	6.5	1.6	1.3	370552	05/06/25	05/06/25	ZST
Dibromomethane	ND		ug/Kg	6.5	1.4	1.3	370552	05/06/25	05/06/25	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	6.5	1.6	1.3	370552	05/06/25	05/06/25	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	6.5	2.4	1.3	370552	05/06/25	05/06/25	ZST
Toluene	ND		ug/Kg	6.5	1.2	1.3	370552	05/06/25	05/06/25	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	6.5	1.3	1.3	370552	05/06/25	05/06/25	ZST
1,1,2-Trichloroethane	ND		ug/Kg	6.5	0.6	1.3	370552	05/06/25	05/06/25	ZST
1,3-Dichloropropane	ND		ug/Kg	6.5	0.6	1.3	370552	05/06/25	05/06/25	ZST
Tetrachloroethene	ND		ug/Kg	6.5	1.6	1.3	370552	05/06/25	05/06/25	ZST
Dibromochloromethane	ND		ug/Kg	6.5	1.4	1.3	370552	05/06/25	05/06/25	ZST

Analysis Results for 532165

532165-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dibromoethane	ND		ug/Kg	6.5	0.8	1.3	370552	05/06/25	05/06/25	ZST
Chlorobenzene	ND		ug/Kg	6.5	1.4	1.3	370552	05/06/25	05/06/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	6.5	1.3	1.3	370552	05/06/25	05/06/25	ZST
Ethylbenzene	ND		ug/Kg	6.5	1.3	1.3	370552	05/06/25	05/06/25	ZST
m,p-Xylenes	ND		ug/Kg	13	2.6	1.3	370552	05/06/25	05/06/25	ZST
o-Xylene	ND		ug/Kg	6.5	0.8	1.3	370552	05/06/25	05/06/25	ZST
Styrene	ND		ug/Kg	6.5	1.0	1.3	370552	05/06/25	05/06/25	ZST
Bromoform	ND		ug/Kg	6.5	1.1	1.3	370552	05/06/25	05/06/25	ZST
Isopropylbenzene	ND		ug/Kg	6.5	1.3	1.3	370552	05/06/25	05/06/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	6.5	0.7	1.3	370552	05/06/25	05/06/25	ZST
1,2,3-Trichloropropane	ND		ug/Kg	6.5	1.3	1.3	370552	05/06/25	05/06/25	ZST
Propylbenzene	ND		ug/Kg	6.5	1.3	1.3	370552	05/06/25	05/06/25	ZST
Bromobenzene	ND		ug/Kg	6.5	1.3	1.3	370552	05/06/25	05/06/25	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	6.5	1.3	1.3	370552	05/06/25	05/06/25	ZST
2-Chlorotoluene	ND		ug/Kg	6.5	1.2	1.3	370552	05/06/25	05/06/25	ZST
4-Chlorotoluene	ND		ug/Kg	6.5	1.1	1.3	370552	05/06/25	05/06/25	ZST
tert-Butylbenzene	ND		ug/Kg	6.5	1.2	1.3	370552	05/06/25	05/06/25	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	6.5	1.1	1.3	370552	05/06/25	05/06/25	ZST
sec-Butylbenzene	ND		ug/Kg	6.5	1.4	1.3	370552	05/06/25	05/06/25	ZST
para-Isopropyl Toluene	ND		ug/Kg	6.5	1.1	1.3	370552	05/06/25	05/06/25	ZST
1,3-Dichlorobenzene	ND		ug/Kg	6.5	1.0	1.3	370552	05/06/25	05/06/25	ZST
1,4-Dichlorobenzene	ND		ug/Kg	6.5	1.0	1.3	370552	05/06/25	05/06/25	ZST
n-Butylbenzene	ND		ug/Kg	6.5	1.3	1.3	370552	05/06/25	05/06/25	ZST
1,2-Dichlorobenzene	ND		ug/Kg	6.5	1.0	1.3	370552	05/06/25	05/06/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	6.5	2.3	1.3	370552	05/06/25	05/06/25	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	6.5	1.7	1.3	370552	05/06/25	05/06/25	ZST
Hexachlorobutadiene	ND		ug/Kg	6.5	1.3	1.3	370552	05/06/25	05/06/25	ZST
Naphthalene	ND		ug/Kg	6.5	1.5	1.3	370552	05/06/25	05/06/25	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	6.5	1.4	1.3	370552	05/06/25	05/06/25	ZST
Xylene (total)	ND		ug/Kg	6.5		1.3	370552	05/06/25	05/06/25	ZST
Surrogates	Limits									
Dibromofluoromethane	101%		%REC	70-145		1.3	370552	05/06/25	05/06/25	ZST
1,2-Dichloroethane-d4	127%		%REC	70-145		1.3	370552	05/06/25	05/06/25	ZST
Toluene-d8	107%		%REC	70-145		1.3	370552	05/06/25	05/06/25	ZST
Bromofluorobenzene	108%		%REC	70-145		1.3	370552	05/06/25	05/06/25	ZST

Analysis Results for 532165

Sample ID: COMP-11
Lab ID: 532165-005
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	4		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.5	0.95	370407	05/03/25	05/04/25	KCD
Arsenic	4.4		mg/Kg	0.99	0.70	0.95	370407	05/03/25	05/04/25	KCD
Barium	180		mg/Kg	0.99	0.31	0.95	370407	05/03/25	05/04/25	KCD
Beryllium	0.43	J	mg/Kg	0.50	0.033	0.95	370407	05/03/25	05/04/25	KCD
Cadmium	1.0		mg/Kg	0.50	0.074	0.95	370407	05/03/25	05/04/25	KCD
Chromium	24		mg/Kg	0.99	0.30	0.95	370407	05/03/25	05/04/25	KCD
Cobalt	9.4		mg/Kg	0.50	0.26	0.95	370407	05/03/25	05/04/25	KCD
Copper	39		mg/Kg	0.99	0.75	0.95	370407	05/03/25	05/04/25	KCD
Lead	8.8		mg/Kg	0.99	0.71	0.95	370407	05/03/25	05/04/25	KCD
Molybdenum	2.5		mg/Kg	0.99	0.54	0.95	370407	05/03/25	05/04/25	KCD
Nickel	18		mg/Kg	0.99	0.34	0.95	370407	05/03/25	05/04/25	KCD
Selenium	ND		mg/Kg	3.0	1.2	0.95	370407	05/03/25	05/04/25	KCD
Silver	ND		mg/Kg	0.50	0.17	0.95	370407	05/03/25	05/04/25	KCD
Thallium	ND		mg/Kg	3.0	1.1	0.95	370407	05/03/25	05/04/25	KCD
Vanadium	50		mg/Kg	0.99	0.16	0.95	370407	05/03/25	05/04/25	KCD
Zinc	140		mg/Kg	5.0	2.3	0.95	370407	05/03/25	05/04/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.15	0.054	1	370472	05/05/25	05/05/25	KCD
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10	3.8	0.99	370583	05/06/25	05/07/25	KMB
DRO C10-C28	12		mg/Kg	10	3.8	0.99	370583	05/06/25	05/07/25	KMB
ORO C28-C44	28		mg/Kg	21	3.8	0.99	370583	05/06/25	05/07/25	KMB
Surrogates	Limits									
n-Triacontane	109%		%REC	70-130		0.99	370583	05/06/25	05/07/25	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.3	2.1	1	370470	05/05/25	05/06/25	HQN
beta-BHC	ND		ug/Kg	5.3	2.0	1	370470	05/05/25	05/06/25	HQN
gamma-BHC	ND		ug/Kg	5.3	1.8	1	370470	05/05/25	05/06/25	HQN
delta-BHC	ND		ug/Kg	5.3	2.5	1	370470	05/05/25	05/06/25	HQN
Heptachlor	ND		ug/Kg	5.3	2.0	1	370470	05/05/25	05/06/25	HQN
Aldrin	ND		ug/Kg	5.3	2.4	1	370470	05/05/25	05/06/25	HQN
Heptachlor epoxide	ND		ug/Kg	5.3	2.2	1	370470	05/05/25	05/06/25	HQN
Endosulfan I	ND		ug/Kg	5.3	2.3	1	370470	05/05/25	05/06/25	HQN
Dieldrin	ND		ug/Kg	5.3	3.2	1	370470	05/05/25	05/06/25	HQN
4,4'-DDE	ND		ug/Kg	5.3	3.3	1	370470	05/05/25	05/06/25	HQN
Endrin	ND		ug/Kg	5.3	2.1	1	370470	05/05/25	05/06/25	HQN
Endosulfan II	ND		ug/Kg	5.3	2.1	1	370470	05/05/25	05/06/25	HQN
Endosulfan sulfate	ND		ug/Kg	5.3	3.4	1	370470	05/05/25	05/06/25	HQN
4,4'-DDD	ND		ug/Kg	5.3	1.7	1	370470	05/05/25	05/06/25	HQN

Analysis Results for 532165

532165-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.3	3.7	1	370470	05/05/25	05/06/25	HQN
Endrin ketone	ND		ug/Kg	5.3	2.2	1	370470	05/05/25	05/06/25	HQN
4,4'-DDT	ND		ug/Kg	5.3	2.1	1	370470	05/05/25	05/06/25	HQN
Methoxychlor	ND		ug/Kg	11	4.0	1	370470	05/05/25	05/06/25	HQN
Toxaphene	ND		ug/Kg	110	92	1	370470	05/05/25	05/06/25	HQN
Chlordane (Technical)	ND		ug/Kg	53	41	1	370470	05/05/25	05/06/25	HQN
Surrogates			Limits							
TCMX	86%		%REC	23-120		1	370470	05/05/25	05/06/25	HQN
Decachlorobiphenyl	80%		%REC	24-120		1	370470	05/05/25	05/06/25	HQN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND		ug/Kg	53	25	1	370470	05/05/25	05/06/25	HQN
Aroclor-1221	ND		ug/Kg	53	25	1	370470	05/05/25	05/06/25	HQN
Aroclor-1232	ND		ug/Kg	53	21	1	370470	05/05/25	05/06/25	HQN
Aroclor-1242	ND		ug/Kg	53	28	1	370470	05/05/25	05/06/25	HQN
Aroclor-1248	ND		ug/Kg	53	37	1	370470	05/05/25	05/06/25	HQN
Aroclor-1254	ND		ug/Kg	53	39	1	370470	05/05/25	05/06/25	HQN
Aroclor-1260	ND		ug/Kg	53	29	1	370470	05/05/25	05/06/25	HQN
Aroclor-1262	ND		ug/Kg	53	26	1	370470	05/05/25	05/06/25	HQN
Aroclor-1268	ND		ug/Kg	53	32	1	370470	05/05/25	05/06/25	HQN
Total PCBs	ND		ug/Kg	53		1	370470	05/05/25	05/06/25	HQN

Surrogates

Limits

Decachlorobiphenyl (PCB)	74%		%REC	19-121		1	370470	05/05/25	05/06/25	HQN
--------------------------	-----	--	------	--------	--	---	--------	----------	----------	-----

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	10	1.1	1	370458	05/05/25	05/06/25	HQN
2-Methylnaphthalene	ND		ug/Kg	10	1.5	1	370458	05/05/25	05/06/25	HQN
Naphthalene	2.3	J	ug/Kg	10	1.7	1	370458	05/05/25	05/06/25	HQN
Acenaphthylene	ND		ug/Kg	10	1.2	1	370458	05/05/25	05/06/25	HQN
Acenaphthene	ND		ug/Kg	10	0.79	1	370458	05/05/25	05/06/25	HQN
Fluorene	ND		ug/Kg	10	0.88	1	370458	05/05/25	05/06/25	HQN
Phenanthrene	7.2	J	ug/Kg	10	1.8	1	370458	05/05/25	05/06/25	HQN
Anthracene	1.6	J	ug/Kg	10	1.0	1	370458	05/05/25	05/06/25	HQN
Fluoranthene	5.2	J	ug/Kg	10	1.5	1	370458	05/05/25	05/06/25	HQN
Pyrene	4.3	J	ug/Kg	10	3.4	1	370458	05/05/25	05/06/25	HQN
Benzo(a)anthracene	2.0	J	ug/Kg	10	0.82	1	370458	05/05/25	05/06/25	HQN
Chrysene	2.2	J	ug/Kg	10	0.69	1	370458	05/05/25	05/06/25	HQN
Benzo(b)fluoranthene	3.2	J	ug/Kg	10	0.92	1	370458	05/05/25	05/06/25	HQN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.4	1	370458	05/05/25	05/06/25	HQN
Benzo(a)pyrene	1.6	J	ug/Kg	10	1.6	1	370458	05/05/25	05/06/25	HQN
Indeno(1,2,3-cd)pyrene	1.4	J	ug/Kg	10	1.0	1	370458	05/05/25	05/06/25	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.1	1	370458	05/05/25	05/06/25	HQN
Benzo(g,h,i)perylene	2.2	J	ug/Kg	10	1.3	1	370458	05/05/25	05/06/25	HQN

Surrogates

Limits

Nitrobenzene-d5	41%		%REC	27-125		1	370458	05/05/25	05/06/25	HQN
2-Fluorobiphenyl	46%		%REC	30-120		1	370458	05/05/25	05/06/25	HQN
Terphenyl-d14	72%		%REC	33-155		1	370458	05/05/25	05/06/25	HQN

Analysis Results for 532165

Sample ID: G 57
Lab ID: 532165-010
Collected: 05/01/25 09:31
Matrix: Soil
Basis: Dry

532165-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216										
Prep Method: METHOD										
Moisture, Percent	7		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 8260B										
Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	540	77	100	370403	05/03/25	05/03/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/Kg	540	160	100	370403	05/03/25	05/03/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/Kg	540	130	100	370403	05/03/25	05/03/25	TCN
Freon 12	ND		ug/Kg	540	210	100	370403	05/03/25	05/03/25	TCN
Chloromethane	ND		ug/Kg	540	230	100	370403	05/03/25	05/03/25	TCN
Vinyl Chloride	ND		ug/Kg	540	34	100	370403	05/03/25	05/03/25	TCN
Bromomethane	ND		ug/Kg	540	390	100	370403	05/03/25	05/03/25	TCN
Chloroethane	ND		ug/Kg	580	580	100	370403	05/03/25	05/03/25	TCN
Trichlorofluoromethane	ND		ug/Kg	540	120	100	370403	05/03/25	05/03/25	TCN
Acetone	ND		ug/Kg	11,000	7,800	100	370403	05/03/25	05/03/25	TCN
Freon 113	ND		ug/Kg	540	66	100	370403	05/03/25	05/03/25	TCN
1,1-Dichloroethene	ND		ug/Kg	540	63	100	370403	05/03/25	05/03/25	TCN
Methylene Chloride	ND		ug/Kg	1,900	1,900	100	370403	05/03/25	05/03/25	TCN
MTBE	ND		ug/Kg	540	200	100	370403	05/03/25	05/03/25	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	540	61	100	370403	05/03/25	05/03/25	TCN
1,1-Dichloroethane	ND		ug/Kg	540	140	100	370403	05/03/25	05/03/25	TCN
2-Butanone	ND		ug/Kg	11,000	250	100	370403	05/03/25	05/03/25	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	540	72	100	370403	05/03/25	05/03/25	TCN
2,2-Dichloropropane	ND		ug/Kg	540	97	100	370403	05/03/25	05/03/25	TCN
Chloroform	ND		ug/Kg	540	180	100	370403	05/03/25	05/03/25	TCN
Bromochloromethane	ND		ug/Kg	540	180	100	370403	05/03/25	05/03/25	TCN
1,1,1-Trichloroethane	ND		ug/Kg	540	130	100	370403	05/03/25	05/03/25	TCN
1,1-Dichloropropene	ND		ug/Kg	540	130	100	370403	05/03/25	05/03/25	TCN
Carbon Tetrachloride	ND		ug/Kg	540	140	100	370403	05/03/25	05/03/25	TCN
1,2-Dichloroethane	ND		ug/Kg	540	220	100	370403	05/03/25	05/03/25	TCN
Benzene	ND		ug/Kg	540	37	100	370403	05/03/25	05/03/25	TCN
Trichloroethene	ND		ug/Kg	540	35	100	370403	05/03/25	05/03/25	TCN
1,2-Dichloropropane	ND		ug/Kg	540	68	100	370403	05/03/25	05/03/25	TCN
Bromodichloromethane	ND		ug/Kg	540	120	100	370403	05/03/25	05/03/25	TCN
Dibromomethane	ND		ug/Kg	540	140	100	370403	05/03/25	05/03/25	TCN
4-Methyl-2-Pentanone	ND		ug/Kg	540	240	100	370403	05/03/25	05/03/25	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	540	190	100	370403	05/03/25	05/03/25	TCN
Toluene	ND		ug/Kg	540	98	100	370403	05/03/25	05/03/25	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	540	190	100	370403	05/03/25	05/03/25	TCN
1,1,2-Trichloroethane	ND		ug/Kg	540	130	100	370403	05/03/25	05/03/25	TCN
1,3-Dichloropropane	ND		ug/Kg	540	89	100	370403	05/03/25	05/03/25	TCN
Tetrachloroethene	ND		ug/Kg	540	36	100	370403	05/03/25	05/03/25	TCN
Dibromochloromethane	ND		ug/Kg	540	200	100	370403	05/03/25	05/03/25	TCN
1,2-Dibromoethane	ND		ug/Kg	540	130	100	370403	05/03/25	05/03/25	TCN
Chlorobenzene	ND		ug/Kg	540	120	100	370403	05/03/25	05/03/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	540	150	100	370403	05/03/25	05/03/25	TCN
Ethylbenzene	ND		ug/Kg	540	110	100	370403	05/03/25	05/03/25	TCN

Analysis Results for 532165

532165-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/Kg	1,100	83	100	370403	05/03/25	05/03/25	TCN
o-Xylene	ND		ug/Kg	540	97	100	370403	05/03/25	05/03/25	TCN
Styrene	ND		ug/Kg	540	110	100	370403	05/03/25	05/03/25	TCN
Bromoform	ND		ug/Kg	540	300	100	370403	05/03/25	05/03/25	TCN
Isopropylbenzene	ND		ug/Kg	540	120	100	370403	05/03/25	05/03/25	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	540	94	100	370403	05/03/25	05/03/25	TCN
1,2,3-Trichloropropane	ND		ug/Kg	540	110	100	370403	05/03/25	05/03/25	TCN
Propylbenzene	ND		ug/Kg	540	92	100	370403	05/03/25	05/03/25	TCN
Bromobenzene	ND		ug/Kg	540	160	100	370403	05/03/25	05/03/25	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	540	99	100	370403	05/03/25	05/03/25	TCN
2-Chlorotoluene	ND		ug/Kg	540	98	100	370403	05/03/25	05/03/25	TCN
4-Chlorotoluene	ND		ug/Kg	540	90	100	370403	05/03/25	05/03/25	TCN
tert-Butylbenzene	ND		ug/Kg	540	110	100	370403	05/03/25	05/03/25	TCN
1,2,4-Trimethylbenzene	690		ug/Kg	540	97	100	370403	05/03/25	05/03/25	TCN
sec-Butylbenzene	ND		ug/Kg	540	100	100	370403	05/03/25	05/03/25	TCN
para-Isopropyl Toluene	9,900		ug/Kg	540	120	100	370403	05/03/25	05/03/25	TCN
1,3-Dichlorobenzene	ND		ug/Kg	540	140	100	370403	05/03/25	05/03/25	TCN
1,4-Dichlorobenzene	ND		ug/Kg	540	130	100	370403	05/03/25	05/03/25	TCN
n-Butylbenzene	ND		ug/Kg	540	79	100	370403	05/03/25	05/03/25	TCN
1,2-Dichlorobenzene	ND		ug/Kg	540	140	100	370403	05/03/25	05/03/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	540	160	100	370403	05/03/25	05/03/25	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	540	110	100	370403	05/03/25	05/03/25	TCN
Hexachlorobutadiene	ND		ug/Kg	540	180	100	370403	05/03/25	05/03/25	TCN
Naphthalene	ND		ug/Kg	540	270	100	370403	05/03/25	05/03/25	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	540	76	100	370403	05/03/25	05/03/25	TCN
Xylene (total)	ND		ug/Kg	540		100	370403	05/03/25	05/03/25	TCN
Surrogates	Limits									
Dibromofluoromethane	94%		%REC	70-145		100	370403	05/03/25	05/03/25	TCN
1,2-Dichloroethane-d4	116%		%REC	70-145		100	370403	05/03/25	05/03/25	TCN
Toluene-d8	103%		%REC	70-145		100	370403	05/03/25	05/03/25	TCN
Bromofluorobenzene	103%		%REC	70-145		100	370403	05/03/25	05/03/25	TCN

Analysis Results for 532165

Sample ID: COMP-12
Lab ID: 532165-011
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	4		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.5	0.98	370407	05/03/25	05/04/25	KCD
Arsenic	5.2		mg/Kg	1.0	0.72	0.98	370407	05/03/25	05/04/25	KCD
Barium	100		mg/Kg	1.0	0.32	0.98	370407	05/03/25	05/04/25	KCD
Beryllium	0.55		mg/Kg	0.51	0.034	0.98	370407	05/03/25	05/04/25	KCD
Cadmium	0.88		mg/Kg	0.51	0.076	0.98	370407	05/03/25	05/04/25	KCD
Chromium	20		mg/Kg	1.0	0.31	0.98	370407	05/03/25	05/04/25	KCD
Cobalt	9.0		mg/Kg	0.51	0.27	0.98	370407	05/03/25	05/04/25	KCD
Copper	25		mg/Kg	1.0	0.77	0.98	370407	05/03/25	05/04/25	KCD
Lead	11		mg/Kg	1.0	0.73	0.98	370407	05/03/25	05/04/25	KCD
Molybdenum	2.1		mg/Kg	1.0	0.56	0.98	370407	05/03/25	05/04/25	KCD
Nickel	17		mg/Kg	1.0	0.35	0.98	370407	05/03/25	05/04/25	KCD
Selenium	ND		mg/Kg	3.1	1.3	0.98	370407	05/03/25	05/04/25	KCD
Silver	ND		mg/Kg	0.51	0.17	0.98	370407	05/03/25	05/04/25	KCD
Thallium	ND		mg/Kg	3.1	1.1	0.98	370407	05/03/25	05/04/25	KCD
Vanadium	42		mg/Kg	1.0	0.16	0.98	370407	05/03/25	05/04/25	KCD
Zinc	310		mg/Kg	5.1	2.3	0.98	370407	05/03/25	05/04/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.15	0.056	1.1	370472	05/05/25	05/05/25	KCD
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	31		mg/Kg	21	7.6	2	370583	05/06/25	05/07/25	KMB
DRO C10-C28	260		mg/Kg	21	7.6	2	370583	05/06/25	05/07/25	KMB
ORO C28-C44	190		mg/Kg	41	7.6	2	370583	05/06/25	05/07/25	KMB
Surrogates	Limits									
n-Triacontane	76%		%REC	70-130		2	370583	05/06/25	05/07/25	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	2.0	0.99	370470	05/05/25	05/06/25	HQN
beta-BHC	ND		ug/Kg	5.2	2.0	0.99	370470	05/05/25	05/06/25	HQN
gamma-BHC	ND		ug/Kg	5.2	1.7	0.99	370470	05/05/25	05/06/25	HQN
delta-BHC	ND		ug/Kg	5.2	2.5	0.99	370470	05/05/25	05/06/25	HQN
Heptachlor	ND		ug/Kg	5.2	2.0	0.99	370470	05/05/25	05/06/25	HQN
Aldrin	ND		ug/Kg	5.2	2.4	0.99	370470	05/05/25	05/06/25	HQN
Heptachlor epoxide	ND		ug/Kg	5.2	2.2	0.99	370470	05/05/25	05/06/25	HQN
Endosulfan I	ND		ug/Kg	5.2	2.3	0.99	370470	05/05/25	05/06/25	HQN
Dieldrin	ND		ug/Kg	5.2	3.2	0.99	370470	05/05/25	05/06/25	HQN
4,4'-DDE	ND		ug/Kg	5.2	3.3	0.99	370470	05/05/25	05/06/25	HQN
Endrin	ND		ug/Kg	5.2	2.1	0.99	370470	05/05/25	05/06/25	HQN
Endosulfan II	ND		ug/Kg	5.2	2.1	0.99	370470	05/05/25	05/06/25	HQN
Endosulfan sulfate	ND		ug/Kg	5.2	3.3	0.99	370470	05/05/25	05/06/25	HQN
4,4'-DDD	ND		ug/Kg	5.2	1.6	0.99	370470	05/05/25	05/06/25	HQN

Analysis Results for 532165

532165-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.2	3.7	0.99	370470	05/05/25	05/06/25	HQN
Endrin ketone	ND		ug/Kg	5.2	2.1	0.99	370470	05/05/25	05/06/25	HQN
4,4'-DDT	ND		ug/Kg	5.2	2.1	0.99	370470	05/05/25	05/06/25	HQN
Methoxychlor	ND		ug/Kg	10	3.9	0.99	370470	05/05/25	05/06/25	HQN
Toxaphene	ND		ug/Kg	100	90	0.99	370470	05/05/25	05/06/25	HQN
Chlordane (Technical)	ND		ug/Kg	52	40	0.99	370470	05/05/25	05/06/25	HQN
Surrogates			Limits							
TCMX	84%		%REC	23-120		0.99	370470	05/05/25	05/06/25	HQN
Decachlorobiphenyl	53%		%REC	24-120		0.99	370470	05/05/25	05/06/25	HQN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND		ug/Kg	52	25	0.99	370470	05/05/25	05/06/25	HQN
Aroclor-1221	ND		ug/Kg	52	25	0.99	370470	05/05/25	05/06/25	HQN
Aroclor-1232	ND		ug/Kg	52	21	0.99	370470	05/05/25	05/06/25	HQN
Aroclor-1242	ND		ug/Kg	52	27	0.99	370470	05/05/25	05/06/25	HQN
Aroclor-1248	ND		ug/Kg	52	36	0.99	370470	05/05/25	05/06/25	HQN
Aroclor-1254	ND		ug/Kg	52	38	0.99	370470	05/05/25	05/06/25	HQN
Aroclor-1260	ND		ug/Kg	52	28	0.99	370470	05/05/25	05/06/25	HQN
Aroclor-1262	ND		ug/Kg	52	26	0.99	370470	05/05/25	05/06/25	HQN
Aroclor-1268	ND		ug/Kg	52	32	0.99	370470	05/05/25	05/06/25	HQN
Total PCBs	ND		ug/Kg	52		0.99	370470	05/05/25	05/06/25	HQN
Surrogates			Limits							
Decachlorobiphenyl (PCB)	47%		%REC	19-121		0.99	370470	05/05/25	05/06/25	HQN

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	16	J	ug/Kg	21	2.2	2	370458	05/05/25	05/06/25	HQN
2-Methylnaphthalene	21		ug/Kg	21	3.0	2	370458	05/05/25	05/06/25	HQN
Naphthalene	31		ug/Kg	21	3.3	2	370458	05/05/25	05/06/25	HQN
Acenaphthylene	6.8	J	ug/Kg	21	2.3	2	370458	05/05/25	05/06/25	HQN
Acenaphthene	ND		ug/Kg	21	1.6	2	370458	05/05/25	05/06/25	HQN
Fluorene	11	J	ug/Kg	21	1.7	2	370458	05/05/25	05/06/25	HQN
Phenanthrene	57		ug/Kg	21	3.5	2	370458	05/05/25	05/06/25	HQN
Anthracene	9.0	J	ug/Kg	21	2.1	2	370458	05/05/25	05/06/25	HQN
Fluoranthene	16	J	ug/Kg	21	3.0	2	370458	05/05/25	05/06/25	HQN
Pyrene	10	J	ug/Kg	21	6.8	2	370458	05/05/25	05/06/25	HQN
Benzo(a)anthracene	2.5	J	ug/Kg	21	1.6	2	370458	05/05/25	05/06/25	HQN
Chrysene	4.5	J	ug/Kg	21	1.4	2	370458	05/05/25	05/06/25	HQN
Benzo(b)fluoranthene	ND		ug/Kg	21	1.8	2	370458	05/05/25	05/06/25	HQN
Benzo(k)fluoranthene	ND		ug/Kg	21	2.8	2	370458	05/05/25	05/06/25	HQN
Benzo(a)pyrene	ND		ug/Kg	21	3.1	2	370458	05/05/25	05/06/25	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	21	2.0	2	370458	05/05/25	05/06/25	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	21	2.2	2	370458	05/05/25	05/06/25	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	21	2.6	2	370458	05/05/25	05/06/25	HQN
Surrogates			Limits							
Nitrobenzene-d5	59%		%REC	27-125		2	370458	05/05/25	05/06/25	HQN
2-Fluorobiphenyl	45%		%REC	30-120		2	370458	05/05/25	05/06/25	HQN
Terphenyl-d14	68%		%REC	33-155		2	370458	05/05/25	05/06/25	HQN

Analysis Results for 532165

Sample ID: DUP01-050125
Lab ID: 532165-012
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	3		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.5	0.98	370407	05/03/25	05/04/25	KCD
Arsenic	4.4		mg/Kg	1.0	0.71	0.98	370407	05/03/25	05/04/25	KCD
Barium	110		mg/Kg	1.0	0.32	0.98	370407	05/03/25	05/04/25	KCD
Beryllium	0.49	J	mg/Kg	0.51	0.034	0.98	370407	05/03/25	05/04/25	KCD
Cadmium	0.95		mg/Kg	0.51	0.075	0.98	370407	05/03/25	05/04/25	KCD
Chromium	20		mg/Kg	1.0	0.31	0.98	370407	05/03/25	05/04/25	KCD
Cobalt	8.2		mg/Kg	0.51	0.26	0.98	370407	05/03/25	05/04/25	KCD
Copper	31		mg/Kg	1.0	0.76	0.98	370407	05/03/25	05/04/25	KCD
Lead	17		mg/Kg	1.0	0.72	0.98	370407	05/03/25	05/04/25	KCD
Molybdenum	2.2		mg/Kg	1.0	0.55	0.98	370407	05/03/25	05/04/25	KCD
Nickel	18		mg/Kg	1.0	0.34	0.98	370407	05/03/25	05/04/25	KCD
Selenium	ND		mg/Kg	3.0	1.2	0.98	370407	05/03/25	05/04/25	KCD
Silver	ND		mg/Kg	0.51	0.17	0.98	370407	05/03/25	05/04/25	KCD
Thallium	ND		mg/Kg	3.0	1.1	0.98	370407	05/03/25	05/04/25	KCD
Vanadium	42		mg/Kg	1.0	0.16	0.98	370407	05/03/25	05/04/25	KCD
Zinc	310		mg/Kg	5.1	2.3	0.98	370407	05/03/25	05/04/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.17	0.061	1.2	370472	05/05/25	05/05/25	KCD
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	8.8	J	mg/Kg	20	7.4	2	370583	05/06/25	05/07/25	KMB
DRO C10-C28	100		mg/Kg	20	7.4	2	370583	05/06/25	05/07/25	KMB
ORO C28-C44	74		mg/Kg	40	7.4	2	370583	05/06/25	05/07/25	KMB
Surrogates	Limits									
n-Triacontane	83%		%REC	70-130		2	370583	05/06/25	05/07/25	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	2.0	1	370470	05/05/25	05/06/25	HQN
beta-BHC	ND		ug/Kg	5.2	2.0	1	370470	05/05/25	05/06/25	HQN
gamma-BHC	ND		ug/Kg	5.2	1.7	1	370470	05/05/25	05/06/25	HQN
delta-BHC	ND		ug/Kg	5.2	2.5	1	370470	05/05/25	05/06/25	HQN
Heptachlor	ND		ug/Kg	5.2	2.0	1	370470	05/05/25	05/06/25	HQN
Aldrin	ND		ug/Kg	5.2	2.4	1	370470	05/05/25	05/06/25	HQN
Heptachlor epoxide	ND		ug/Kg	5.2	2.2	1	370470	05/05/25	05/06/25	HQN
Endosulfan I	ND		ug/Kg	5.2	2.3	1	370470	05/05/25	05/06/25	HQN
Dieldrin	ND		ug/Kg	5.2	3.2	1	370470	05/05/25	05/06/25	HQN
4,4'-DDE	ND		ug/Kg	5.2	3.3	1	370470	05/05/25	05/06/25	HQN
Endrin	ND		ug/Kg	5.2	2.1	1	370470	05/05/25	05/06/25	HQN
Endosulfan II	ND		ug/Kg	5.2	2.1	1	370470	05/05/25	05/06/25	HQN
Endosulfan sulfate	ND		ug/Kg	5.2	3.3	1	370470	05/05/25	05/06/25	HQN
4,4'-DDD	ND		ug/Kg	5.2	1.6	1	370470	05/05/25	05/06/25	HQN

Analysis Results for 532165

532165-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.2	3.7	1	370470	05/05/25	05/06/25	HQN
Endrin ketone	ND		ug/Kg	5.2	2.1	1	370470	05/05/25	05/06/25	HQN
4,4'-DDT	ND		ug/Kg	5.2	2.1	1	370470	05/05/25	05/06/25	HQN
Methoxychlor	ND		ug/Kg	10	3.9	1	370470	05/05/25	05/06/25	HQN
Toxaphene	ND		ug/Kg	100	90	1	370470	05/05/25	05/06/25	HQN
Chlordane (Technical)	ND		ug/Kg	52	40	1	370470	05/05/25	05/06/25	HQN
Surrogates			Limits							
TCMX	82%		%REC	23-120		1	370470	05/05/25	05/06/25	HQN
Decachlorobiphenyl	69%		%REC	24-120		1	370470	05/05/25	05/06/25	HQN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND		ug/Kg	52	25	1	370470	05/05/25	05/06/25	HQN
Aroclor-1221	ND		ug/Kg	52	25	1	370470	05/05/25	05/06/25	HQN
Aroclor-1232	ND		ug/Kg	52	21	1	370470	05/05/25	05/06/25	HQN
Aroclor-1242	ND		ug/Kg	52	27	1	370470	05/05/25	05/06/25	HQN
Aroclor-1248	ND		ug/Kg	52	36	1	370470	05/05/25	05/06/25	HQN
Aroclor-1254	ND		ug/Kg	52	38	1	370470	05/05/25	05/06/25	HQN
Aroclor-1260	ND		ug/Kg	52	28	1	370470	05/05/25	05/06/25	HQN
Aroclor-1262	ND		ug/Kg	52	26	1	370470	05/05/25	05/06/25	HQN
Aroclor-1268	ND		ug/Kg	52	32	1	370470	05/05/25	05/06/25	HQN
Total PCBs	ND		ug/Kg	52		1	370470	05/05/25	05/06/25	HQN
Surrogates			Limits							
Decachlorobiphenyl (PCB)	73%		%REC	19-121		1	370470	05/05/25	05/06/25	HQN

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	21		ug/Kg	21	2.2	2	370458	05/05/25	05/06/25	HQN
2-Methylnaphthalene	31		ug/Kg	21	3.0	2	370458	05/05/25	05/06/25	HQN
Naphthalene	48		ug/Kg	21	3.3	2	370458	05/05/25	05/06/25	HQN
Acenaphthylene	7.6	J	ug/Kg	21	2.3	2	370458	05/05/25	05/06/25	HQN
Acenaphthene	ND		ug/Kg	21	1.6	2	370458	05/05/25	05/06/25	HQN
Fluorene	16	J	ug/Kg	21	1.7	2	370458	05/05/25	05/06/25	HQN
Phenanthrene	74		ug/Kg	21	3.4	2	370458	05/05/25	05/06/25	HQN
Anthracene	12	J	ug/Kg	21	2.0	2	370458	05/05/25	05/06/25	HQN
Fluoranthene	22		ug/Kg	21	3.0	2	370458	05/05/25	05/06/25	HQN
Pyrene	16	J	ug/Kg	21	6.7	2	370458	05/05/25	05/06/25	HQN
Benzo(a)anthracene	2.9	J	ug/Kg	21	1.6	2	370458	05/05/25	05/06/25	HQN
Chrysene	4.2	J	ug/Kg	21	1.4	2	370458	05/05/25	05/06/25	HQN
Benzo(b)fluoranthene	ND		ug/Kg	21	1.8	2	370458	05/05/25	05/06/25	HQN
Benzo(k)fluoranthene	ND		ug/Kg	21	2.8	2	370458	05/05/25	05/06/25	HQN
Benzo(a)pyrene	ND		ug/Kg	21	3.1	2	370458	05/05/25	05/06/25	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	21	2.0	2	370458	05/05/25	05/06/25	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	21	2.1	2	370458	05/05/25	05/06/25	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	21	2.6	2	370458	05/05/25	05/06/25	HQN
Surrogates			Limits							
Nitrobenzene-d5	54%		%REC	27-125		2	370458	05/05/25	05/06/25	HQN
2-Fluorobiphenyl	42%		%REC	30-120		2	370458	05/05/25	05/06/25	HQN
Terphenyl-d14	60%		%REC	33-155		2	370458	05/05/25	05/06/25	HQN

Analysis Results for 532165

Sample ID: DUP02-050125
Lab ID: 532165-013
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216										
Prep Method: METHOD										
Moisture, Percent	8		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 8260B										
Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	580	82	110	370403	05/03/25	05/03/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/Kg	580	170	110	370403	05/03/25	05/03/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/Kg	580	140	110	370403	05/03/25	05/03/25	TCN
Freon 12	ND		ug/Kg	580	220	110	370403	05/03/25	05/03/25	TCN
Chloromethane	ND		ug/Kg	580	240	110	370403	05/03/25	05/03/25	TCN
Vinyl Chloride	ND		ug/Kg	580	36	110	370403	05/03/25	05/03/25	TCN
Bromomethane	ND		ug/Kg	580	410	110	370403	05/03/25	05/03/25	TCN
Chloroethane	ND		ug/Kg	620	620	110	370403	05/03/25	05/03/25	TCN
Trichlorofluoromethane	ND		ug/Kg	580	130	110	370403	05/03/25	05/03/25	TCN
Acetone	ND		ug/Kg	12,000	8,300	110	370403	05/03/25	05/03/25	TCN
Freon 113	ND		ug/Kg	580	70	110	370403	05/03/25	05/03/25	TCN
1,1-Dichloroethene	ND		ug/Kg	580	67	110	370403	05/03/25	05/03/25	TCN
Methylene Chloride	ND		ug/Kg	2,000	2,000	110	370403	05/03/25	05/03/25	TCN
MTBE	ND		ug/Kg	580	210	110	370403	05/03/25	05/03/25	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	580	65	110	370403	05/03/25	05/03/25	TCN
1,1-Dichloroethane	ND		ug/Kg	580	150	110	370403	05/03/25	05/03/25	TCN
2-Butanone	ND		ug/Kg	12,000	270	110	370403	05/03/25	05/03/25	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	580	77	110	370403	05/03/25	05/03/25	TCN
2,2-Dichloropropane	ND		ug/Kg	580	100	110	370403	05/03/25	05/03/25	TCN
Chloroform	ND		ug/Kg	580	190	110	370403	05/03/25	05/03/25	TCN
Bromochloromethane	ND		ug/Kg	580	190	110	370403	05/03/25	05/03/25	TCN
1,1,1-Trichloroethane	ND		ug/Kg	580	140	110	370403	05/03/25	05/03/25	TCN
1,1-Dichloropropene	ND		ug/Kg	580	140	110	370403	05/03/25	05/03/25	TCN
Carbon Tetrachloride	ND		ug/Kg	580	150	110	370403	05/03/25	05/03/25	TCN
1,2-Dichloroethane	ND		ug/Kg	580	230	110	370403	05/03/25	05/03/25	TCN
Benzene	ND		ug/Kg	580	39	110	370403	05/03/25	05/03/25	TCN
Trichloroethene	ND		ug/Kg	580	37	110	370403	05/03/25	05/03/25	TCN
1,2-Dichloropropane	ND		ug/Kg	580	73	110	370403	05/03/25	05/03/25	TCN
Bromodichloromethane	ND		ug/Kg	580	130	110	370403	05/03/25	05/03/25	TCN
Dibromomethane	ND		ug/Kg	580	150	110	370403	05/03/25	05/03/25	TCN
4-Methyl-2-Pentanone	ND		ug/Kg	580	250	110	370403	05/03/25	05/03/25	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	580	200	110	370403	05/03/25	05/03/25	TCN
Toluene	ND		ug/Kg	580	100	110	370403	05/03/25	05/03/25	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	580	200	110	370403	05/03/25	05/03/25	TCN
1,1,2-Trichloroethane	ND		ug/Kg	580	140	110	370403	05/03/25	05/03/25	TCN
1,3-Dichloropropane	ND		ug/Kg	580	94	110	370403	05/03/25	05/03/25	TCN
Tetrachloroethene	ND		ug/Kg	580	38	110	370403	05/03/25	05/03/25	TCN
Dibromochloromethane	ND		ug/Kg	580	210	110	370403	05/03/25	05/03/25	TCN
1,2-Dibromoethane	ND		ug/Kg	580	130	110	370403	05/03/25	05/03/25	TCN
Chlorobenzene	ND		ug/Kg	580	130	110	370403	05/03/25	05/03/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	580	150	110	370403	05/03/25	05/03/25	TCN
Ethylbenzene	ND		ug/Kg	580	120	110	370403	05/03/25	05/03/25	TCN

Analysis Results for 532165

532165-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/Kg	1,200	88	110	370403	05/03/25	05/03/25	TCN
o-Xylene	ND		ug/Kg	580	100	110	370403	05/03/25	05/03/25	TCN
Styrene	ND		ug/Kg	580	120	110	370403	05/03/25	05/03/25	TCN
Bromoform	ND		ug/Kg	580	320	110	370403	05/03/25	05/03/25	TCN
Isopropylbenzene	ND		ug/Kg	580	130	110	370403	05/03/25	05/03/25	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	580	99	110	370403	05/03/25	05/03/25	TCN
1,2,3-Trichloropropane	ND		ug/Kg	580	120	110	370403	05/03/25	05/03/25	TCN
Propylbenzene	ND		ug/Kg	580	98	110	370403	05/03/25	05/03/25	TCN
Bromobenzene	ND		ug/Kg	580	170	110	370403	05/03/25	05/03/25	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	580	110	110	370403	05/03/25	05/03/25	TCN
2-Chlorotoluene	ND		ug/Kg	580	100	110	370403	05/03/25	05/03/25	TCN
4-Chlorotoluene	ND		ug/Kg	580	96	110	370403	05/03/25	05/03/25	TCN
tert-Butylbenzene	ND		ug/Kg	580	120	110	370403	05/03/25	05/03/25	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	580	100	110	370403	05/03/25	05/03/25	TCN
sec-Butylbenzene	ND		ug/Kg	580	110	110	370403	05/03/25	05/03/25	TCN
para-Isopropyl Toluene	3,200		ug/Kg	580	120	110	370403	05/03/25	05/03/25	TCN
1,3-Dichlorobenzene	ND		ug/Kg	580	140	110	370403	05/03/25	05/03/25	TCN
1,4-Dichlorobenzene	ND		ug/Kg	580	140	110	370403	05/03/25	05/03/25	TCN
n-Butylbenzene	ND		ug/Kg	580	84	110	370403	05/03/25	05/03/25	TCN
1,2-Dichlorobenzene	ND		ug/Kg	580	150	110	370403	05/03/25	05/03/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	580	170	110	370403	05/03/25	05/03/25	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	580	120	110	370403	05/03/25	05/03/25	TCN
Hexachlorobutadiene	ND		ug/Kg	580	190	110	370403	05/03/25	05/03/25	TCN
Naphthalene	ND		ug/Kg	580	290	110	370403	05/03/25	05/03/25	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	580	81	110	370403	05/03/25	05/03/25	TCN
Xylene (total)	ND		ug/Kg	580		110	370403	05/03/25	05/03/25	TCN
Surrogates	Limits									
Dibromofluoromethane	88%		%REC	70-145		110	370403	05/03/25	05/03/25	TCN
1,2-Dichloroethane-d4	113%		%REC	70-145		110	370403	05/03/25	05/03/25	TCN
Toluene-d8	105%		%REC	70-145		110	370403	05/03/25	05/03/25	TCN
Bromofluorobenzene	104%		%REC	70-145		110	370403	05/03/25	05/03/25	TCN

Analysis Results for 532165

Sample ID: COMP-13
Lab ID: 532165-019
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-019 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	6		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	1.6	J	mg/Kg	3.2	1.6	1	370407	05/03/25	05/04/25	KCD
Arsenic	5.7		mg/Kg	1.1	0.75	1	370407	05/03/25	05/04/25	KCD
Barium	160		mg/Kg	1.1	0.34	1	370407	05/03/25	05/04/25	KCD
Beryllium	0.51	J	mg/Kg	0.53	0.036	1	370407	05/03/25	05/04/25	KCD
Cadmium	2.0		mg/Kg	0.53	0.079	1	370407	05/03/25	05/04/25	KCD
Chromium	14		mg/Kg	1.1	0.32	1	370407	05/03/25	05/04/25	KCD
Cobalt	9.4		mg/Kg	0.53	0.28	1	370407	05/03/25	05/04/25	KCD
Copper	38		mg/Kg	1.1	0.80	1	370407	05/03/25	05/04/25	KCD
Lead	33		mg/Kg	1.1	0.76	1	370407	05/03/25	05/04/25	KCD
Molybdenum	2.4		mg/Kg	1.1	0.58	1	370407	05/03/25	05/04/25	KCD
Nickel	17		mg/Kg	1.1	0.36	1	370407	05/03/25	05/04/25	KCD
Selenium	ND		mg/Kg	3.2	1.3	1	370407	05/03/25	05/04/25	KCD
Silver	ND		mg/Kg	0.53	0.18	1	370407	05/03/25	05/04/25	KCD
Thallium	ND		mg/Kg	3.2	1.2	1	370407	05/03/25	05/04/25	KCD
Vanadium	61		mg/Kg	1.1	0.17	1	370407	05/03/25	05/04/25	KCD
Zinc	220		mg/Kg	5.3	2.4	1	370407	05/03/25	05/04/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.18	0.065	1.2	370472	05/05/25	05/05/25	KCD
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	27		ug/Kg	21	2.3	2	370458	05/05/25	05/06/25	HQN
2-Methylnaphthalene	31		ug/Kg	21	3.1	2	370458	05/05/25	05/06/25	HQN
Naphthalene	65		ug/Kg	21	3.4	2	370458	05/05/25	05/06/25	HQN
Acenaphthylene	9.6	J	ug/Kg	21	2.4	2	370458	05/05/25	05/06/25	HQN
Acenaphthene	1.7	J	ug/Kg	21	1.6	2	370458	05/05/25	05/06/25	HQN
Fluorene	9.9	J	ug/Kg	21	1.8	2	370458	05/05/25	05/06/25	HQN
Phenanthrene	52		ug/Kg	21	3.6	2	370458	05/05/25	05/06/25	HQN
Anthracene	10	J	ug/Kg	21	2.1	2	370458	05/05/25	05/06/25	HQN
Fluoranthene	15	J	ug/Kg	21	3.1	2	370458	05/05/25	05/06/25	HQN
Pyrene	12	J	ug/Kg	21	7.0	2	370458	05/05/25	05/06/25	HQN
Benzo(a)anthracene	2.6	J	ug/Kg	21	1.7	2	370458	05/05/25	05/06/25	HQN
Chrysene	4.0	J	ug/Kg	21	1.4	2	370458	05/05/25	05/06/25	HQN
Benzo(b)fluoranthene	ND		ug/Kg	21	1.9	2	370458	05/05/25	05/06/25	HQN
Benzo(k)fluoranthene	ND		ug/Kg	21	2.9	2	370458	05/05/25	05/06/25	HQN
Benzo(a)pyrene	ND		ug/Kg	21	3.2	2	370458	05/05/25	05/06/25	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	21	2.1	2	370458	05/05/25	05/06/25	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	21	2.2	2	370458	05/05/25	05/06/25	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	21	2.7	2	370458	05/05/25	05/06/25	HQN
Surrogates				Limits						
Nitrobenzene-d5	56%		%REC	27-125		2	370458	05/05/25	05/06/25	HQN
2-Fluorobiphenyl	63%		%REC	30-120		2	370458	05/05/25	05/06/25	HQN

Analysis Results for 532165

532165-019 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Terphenyl-d14	67%		%REC	33-155		2	370458	05/05/25	05/06/25	HQN

Sample ID: G 63
Lab ID: 532165-020
Collected: 05/01/25 09:51
Matrix: Soil
Basis: Dry

532165-020 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
--------------------	--------	------	-------	----	-----	----	-------	----------	----------	---------

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent	2		%	1		1	371221	05/13/25	05/14/25	TRR
-------------------	---	--	---	---	--	---	--------	----------	----------	-----

Method: EPA 6010B

Prep Method: EPA 3050B

Lead	44		mg/Kg	1.0	0.72	0.99	370947	05/09/25	05/09/25	CAP
------	----	--	-------	-----	------	------	--------	----------	----------	-----

Sample ID: G 64
Lab ID: 532165-021
Collected: 05/01/25 09:55
Matrix: Soil
Basis: Dry

532165-021 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
--------------------	--------	------	-------	----	-----	----	-------	----------	----------	---------

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent	1		%	1		1	371221	05/13/25	05/14/25	TRR
-------------------	---	--	---	---	--	---	--------	----------	----------	-----

Method: EPA 6010B

Prep Method: EPA 3050B

Lead	80		mg/Kg	0.96	0.69	0.95	370947	05/09/25	05/09/25	CAP
------	----	--	-------	------	------	------	--------	----------	----------	-----

Sample ID: G 65
Lab ID: 532165-022
Collected: 05/01/25 10:00
Matrix: Soil
Basis: Dry

532165-022 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
--------------------	--------	------	-------	----	-----	----	-------	----------	----------	---------

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent	ND		%	1		1	371221	05/13/25	05/14/25	TRR
-------------------	----	--	---	---	--	---	--------	----------	----------	-----

Method: EPA 6010B

Prep Method: EPA 3050B

Lead	73		mg/Kg	0.98	0.70	0.98	370947	05/09/25	05/09/25	CAP
------	----	--	-------	------	------	------	--------	----------	----------	-----

Analysis Results for 532165

Sample ID: COMP-14	Lab ID: 532165-023	Collected: 05/01/25
	Matrix: Soil	Basis: Dry

532165-023 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	5		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.5	0.97	370407	05/03/25	05/04/25	KCD
Arsenic	7.5		mg/Kg	1.0	0.72	0.97	370407	05/03/25	05/04/25	KCD
Barium	88		mg/Kg	1.0	0.32	0.97	370407	05/03/25	05/04/25	KCD
Beryllium	0.43	J	mg/Kg	0.51	0.034	0.97	370407	05/03/25	05/04/25	KCD
Cadmium	1.6		mg/Kg	0.51	0.076	0.97	370407	05/03/25	05/04/25	KCD
Chromium	18		mg/Kg	1.0	0.31	0.97	370407	05/03/25	05/04/25	KCD
Cobalt	9.1		mg/Kg	0.51	0.27	0.97	370407	05/03/25	05/04/25	KCD
Copper	42		mg/Kg	1.0	0.77	0.97	370407	05/03/25	05/04/25	KCD
Lead	53		mg/Kg	1.0	0.73	0.97	370407	05/03/25	05/04/25	KCD
Molybdenum	2.9		mg/Kg	1.0	0.56	0.97	370407	05/03/25	05/04/25	KCD
Nickel	18		mg/Kg	1.0	0.35	0.97	370407	05/03/25	05/04/25	KCD
Selenium	ND		mg/Kg	3.1	1.3	0.97	370407	05/03/25	05/04/25	KCD
Silver	ND		mg/Kg	0.51	0.17	0.97	370407	05/03/25	05/04/25	KCD
Thallium	ND		mg/Kg	3.1	1.1	0.97	370407	05/03/25	05/04/25	KCD
Vanadium	44		mg/Kg	1.0	0.16	0.97	370407	05/03/25	05/04/25	KCD
Zinc	230		mg/Kg	5.1	2.3	0.97	370407	05/03/25	05/04/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.17	0.063	1.2	370472	05/05/25	05/05/25	KCD
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	10	4.1	2	370470	05/05/25	05/06/25	HQN
beta-BHC	ND		ug/Kg	10	4.0	2	370470	05/05/25	05/06/25	HQN
gamma-BHC	ND		ug/Kg	10	3.5	2	370470	05/05/25	05/06/25	HQN
delta-BHC	ND		ug/Kg	10	5.0	2	370470	05/05/25	05/06/25	HQN
Heptachlor	ND		ug/Kg	10	4.0	2	370470	05/05/25	05/06/25	HQN
Aldrin	ND		ug/Kg	10	4.8	2	370470	05/05/25	05/06/25	HQN
Heptachlor epoxide	ND		ug/Kg	10	4.4	2	370470	05/05/25	05/06/25	HQN
Endosulfan I	ND		ug/Kg	10	4.7	2	370470	05/05/25	05/06/25	HQN
Dieldrin	ND		ug/Kg	10	6.4	2	370470	05/05/25	05/06/25	HQN
4,4'-DDE	ND		ug/Kg	10	6.6	2	370470	05/05/25	05/06/25	HQN
Endrin	ND		ug/Kg	10	4.2	2	370470	05/05/25	05/06/25	HQN
Endosulfan II	ND		ug/Kg	10	4.2	2	370470	05/05/25	05/06/25	HQN
Endosulfan sulfate	ND		ug/Kg	10	6.7	2	370470	05/05/25	05/06/25	HQN
4,4'-DDD	ND		ug/Kg	10	3.3	2	370470	05/05/25	05/06/25	HQN
Endrin aldehyde	ND		ug/Kg	10	7.4	2	370470	05/05/25	05/06/25	HQN
Endrin ketone	ND		ug/Kg	10	4.3	2	370470	05/05/25	05/06/25	HQN
4,4'-DDT	ND		ug/Kg	10	4.2	2	370470	05/05/25	05/06/25	HQN
Methoxychlor	ND		ug/Kg	21	7.9	2	370470	05/05/25	05/06/25	HQN
Toxaphene	ND		ug/Kg	210	180	2	370470	05/05/25	05/06/25	HQN
Chlordane (Technical)	ND		ug/Kg	100	80	2	370470	05/05/25	05/06/25	HQN
Surrogates	Limits									

Analysis Results for 532165

532165-023 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX	89%		%REC	23-120		2	370470	05/05/25	05/06/25	HQN
Decachlorobiphenyl	152%	*	%REC	24-120		2	370470	05/05/25	05/06/25	HQN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	17	J	ug/Kg	21	2.3	2	370458	05/05/25	05/06/25	HQN
2-Methylnaphthalene	18	J	ug/Kg	21	3.0	2	370458	05/05/25	05/06/25	HQN
Naphthalene	45		ug/Kg	21	3.3	2	370458	05/05/25	05/06/25	HQN
Acenaphthylene	4.2	J	ug/Kg	21	2.3	2	370458	05/05/25	05/06/25	HQN
Acenaphthene	ND		ug/Kg	21	1.6	2	370458	05/05/25	05/06/25	HQN
Fluorene	4.8	J	ug/Kg	21	1.8	2	370458	05/05/25	05/06/25	HQN
Phenanthrene	55		ug/Kg	21	3.5	2	370458	05/05/25	05/06/25	HQN
Anthracene	9.7	J	ug/Kg	21	2.1	2	370458	05/05/25	05/06/25	HQN
Fluoranthene	20	J	ug/Kg	21	3.0	2	370458	05/05/25	05/06/25	HQN
Pyrene	16	J	ug/Kg	21	6.8	2	370458	05/05/25	05/06/25	HQN
Benzo(a)anthracene	4.2	J	ug/Kg	21	1.6	2	370458	05/05/25	05/06/25	HQN
Chrysene	7.5	J	ug/Kg	21	1.4	2	370458	05/05/25	05/06/25	HQN
Benzo(b)fluoranthene	ND		ug/Kg	21	1.8	2	370458	05/05/25	05/06/25	HQN
Benzo(k)fluoranthene	ND		ug/Kg	21	2.8	2	370458	05/05/25	05/06/25	HQN
Benzo(a)pyrene	ND		ug/Kg	21	3.2	2	370458	05/05/25	05/06/25	HQN
Indeno(1,2,3-cd)pyrene	2.2	J	ug/Kg	21	2.0	2	370458	05/05/25	05/06/25	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	21	2.2	2	370458	05/05/25	05/06/25	HQN
Benzo(g,h,i)perylene	2.8	J	ug/Kg	21	2.6	2	370458	05/05/25	05/06/25	HQN
Surrogates	Limits									
Nitrobenzene-d5	42%		%REC	27-125		2	370458	05/05/25	05/06/25	HQN
2-Fluorobiphenyl	40%		%REC	30-120		2	370458	05/05/25	05/06/25	HQN
Terphenyl-d14	57%		%REC	33-155		2	370458	05/05/25	05/06/25	HQN

Analysis Results for 532165

Sample ID: COMP-15
Lab ID: 532165-029
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-029 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	7		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.2	1.6	1	370407	05/03/25	05/04/25	KCD
Arsenic	5.9		mg/Kg	1.1	0.76	1	370407	05/03/25	05/04/25	KCD
Barium	110		mg/Kg	1.1	0.34	1	370407	05/03/25	05/04/25	KCD
Beryllium	0.57		mg/Kg	0.54	0.036	1	370407	05/03/25	05/04/25	KCD
Cadmium	1.5		mg/Kg	0.54	0.080	1	370407	05/03/25	05/04/25	KCD
Chromium	25		mg/Kg	1.1	0.33	1	370407	05/03/25	05/04/25	KCD
Cobalt	10		mg/Kg	0.54	0.28	1	370407	05/03/25	05/04/25	KCD
Copper	38		mg/Kg	1.1	0.81	1	370407	05/03/25	05/04/25	KCD
Lead	33		mg/Kg	1.1	0.77	1	370407	05/03/25	05/04/25	KCD
Molybdenum	3.5		mg/Kg	1.1	0.59	1	370407	05/03/25	05/04/25	KCD
Nickel	19		mg/Kg	1.1	0.37	1	370407	05/03/25	05/04/25	KCD
Selenium	ND		mg/Kg	3.2	1.3	1	370407	05/03/25	05/04/25	KCD
Silver	ND		mg/Kg	0.54	0.18	1	370407	05/03/25	05/04/25	KCD
Thallium	ND		mg/Kg	3.2	1.2	1	370407	05/03/25	05/04/25	KCD
Vanadium	55		mg/Kg	1.1	0.17	1	370407	05/03/25	05/04/25	KCD
Zinc	370		mg/Kg	5.4	2.5	1	370407	05/03/25	05/04/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.15	0.056	1	370472	05/05/25	05/05/25	KCD
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.4	2.1	1	370470	05/05/25	05/06/25	HQN
beta-BHC	ND		ug/Kg	5.4	2.1	1	370470	05/05/25	05/06/25	HQN
gamma-BHC	ND		ug/Kg	5.4	1.8	1	370470	05/05/25	05/06/25	HQN
delta-BHC	ND		ug/Kg	5.4	2.6	1	370470	05/05/25	05/06/25	HQN
Heptachlor	ND		ug/Kg	5.4	2.1	1	370470	05/05/25	05/06/25	HQN
Aldrin	ND		ug/Kg	5.4	2.5	1	370470	05/05/25	05/06/25	HQN
Heptachlor epoxide	ND		ug/Kg	5.4	2.3	1	370470	05/05/25	05/06/25	HQN
Endosulfan I	ND		ug/Kg	5.4	2.4	1	370470	05/05/25	05/06/25	HQN
Dieldrin	ND		ug/Kg	5.4	3.3	1	370470	05/05/25	05/06/25	HQN
4,4'-DDE	5.0	J	ug/Kg	5.4	3.4	1	370470	05/05/25	05/06/25	HQN
Endrin	ND		ug/Kg	5.4	2.2	1	370470	05/05/25	05/06/25	HQN
Endosulfan II	ND		ug/Kg	5.4	2.2	1	370470	05/05/25	05/06/25	HQN
Endosulfan sulfate	ND		ug/Kg	5.4	3.4	1	370470	05/05/25	05/06/25	HQN
4,4'-DDD	ND		ug/Kg	5.4	1.7	1	370470	05/05/25	05/06/25	HQN
Endrin aldehyde	ND		ug/Kg	5.4	3.8	1	370470	05/05/25	05/06/25	HQN
Endrin ketone	ND		ug/Kg	5.4	2.2	1	370470	05/05/25	05/06/25	HQN
4,4'-DDT	15	C	ug/Kg	5.4	2.2	1	370470	05/05/25	05/06/25	HQN
Methoxychlor	ND		ug/Kg	11	4.1	1	370470	05/05/25	05/06/25	HQN
Toxaphene	ND		ug/Kg	110	94	1	370470	05/05/25	05/06/25	HQN
Chlordane (Technical)	ND		ug/Kg	54	41	1	370470	05/05/25	05/06/25	HQN
Surrogates	Limits									

Analysis Results for 532165

532165-029 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX	83%		%REC	23-120		1	370470	05/05/25	05/06/25	HQN
Decachlorobiphenyl	69%		%REC	24-120		1	370470	05/05/25	05/06/25	HQN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	210	23	20	370458	05/05/25	05/06/25	HQN
2-Methylnaphthalene	ND		ug/Kg	210	31	20	370458	05/05/25	05/06/25	HQN
Naphthalene	ND		ug/Kg	210	34	20	370458	05/05/25	05/06/25	HQN
Acenaphthylene	ND		ug/Kg	210	24	20	370458	05/05/25	05/06/25	HQN
Acenaphthene	ND		ug/Kg	210	16	20	370458	05/05/25	05/06/25	HQN
Fluorene	ND		ug/Kg	210	18	20	370458	05/05/25	05/06/25	HQN
Phenanthrene	ND		ug/Kg	210	36	20	370458	05/05/25	05/06/25	HQN
Anthracene	ND		ug/Kg	210	21	20	370458	05/05/25	05/06/25	HQN
Fluoranthene	ND		ug/Kg	210	31	20	370458	05/05/25	05/06/25	HQN
Pyrene	ND		ug/Kg	210	70	20	370458	05/05/25	05/06/25	HQN
Benzo(a)anthracene	ND		ug/Kg	210	17	20	370458	05/05/25	05/06/25	HQN
Chrysene	ND		ug/Kg	210	14	20	370458	05/05/25	05/06/25	HQN
Benzo(b)fluoranthene	ND		ug/Kg	210	19	20	370458	05/05/25	05/06/25	HQN
Benzo(k)fluoranthene	ND		ug/Kg	210	29	20	370458	05/05/25	05/06/25	HQN
Benzo(a)pyrene	ND		ug/Kg	210	32	20	370458	05/05/25	05/06/25	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	210	21	20	370458	05/05/25	05/06/25	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	210	22	20	370458	05/05/25	05/06/25	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	210	27	20	370458	05/05/25	05/06/25	HQN
Surrogates	Limits									
Nitrobenzene-d5	62%		%REC	27-125		20	370458	05/05/25	05/06/25	HQN
2-Fluorobiphenyl	66%		%REC	30-120		20	370458	05/05/25	05/06/25	HQN
Terphenyl-d14	72%		%REC	33-155		20	370458	05/05/25	05/06/25	HQN

Analysis Results for 532165

Sample ID: COMP-16	Lab ID: 532165-035	Collected: 05/01/25
	Matrix: Soil	Basis: Dry

532165-035 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	5		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.5	0.96	370407	05/03/25	05/04/25	KCD
Arsenic	12		mg/Kg	1.0	0.71	0.96	370407	05/03/25	05/04/25	KCD
Barium	130		mg/Kg	1.0	0.32	0.96	370407	05/03/25	05/04/25	KCD
Beryllium	0.41	J	mg/Kg	0.51	0.034	0.96	370407	05/03/25	05/04/25	KCD
Cadmium	1.4		mg/Kg	0.51	0.075	0.96	370407	05/03/25	05/04/25	KCD
Chromium	32		mg/Kg	1.0	0.31	0.96	370407	05/03/25	05/04/25	KCD
Cobalt	6.9		mg/Kg	0.51	0.26	0.96	370407	05/03/25	05/04/25	KCD
Copper	50		mg/Kg	1.0	0.76	0.96	370407	05/03/25	05/04/25	KCD
Lead	41		mg/Kg	1.0	0.72	0.96	370407	05/03/25	05/04/25	KCD
Molybdenum	2.2		mg/Kg	1.0	0.55	0.96	370407	05/03/25	05/04/25	KCD
Nickel	24		mg/Kg	1.0	0.34	0.96	370407	05/03/25	05/04/25	KCD
Selenium	ND		mg/Kg	3.0	1.3	0.96	370407	05/03/25	05/04/25	KCD
Silver	0.29	J	mg/Kg	0.51	0.17	0.96	370407	05/03/25	05/04/25	KCD
Thallium	ND		mg/Kg	3.0	1.1	0.96	370407	05/03/25	05/04/25	KCD
Vanadium	40		mg/Kg	1.0	0.16	0.96	370407	05/03/25	05/04/25	KCD
Zinc	210		mg/Kg	5.1	2.3	0.96	370407	05/03/25	05/04/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	0.17		mg/Kg	0.16	0.058	1.1	370472	05/05/25	05/05/25	KCD
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	100	11	9.9	370458	05/05/25	05/06/25	HQN
2-Methylnaphthalene	ND		ug/Kg	100	15	9.9	370458	05/05/25	05/06/25	HQN
Naphthalene	ND		ug/Kg	100	17	9.9	370458	05/05/25	05/06/25	HQN
Acenaphthylene	ND		ug/Kg	100	12	9.9	370458	05/05/25	05/06/25	HQN
Acenaphthene	ND		ug/Kg	100	7.8	9.9	370458	05/05/25	05/06/25	HQN
Fluorene	ND		ug/Kg	100	8.8	9.9	370458	05/05/25	05/06/25	HQN
Phenanthrene	22	J	ug/Kg	100	17	9.9	370458	05/05/25	05/06/25	HQN
Anthracene	ND		ug/Kg	100	10	9.9	370458	05/05/25	05/06/25	HQN
Fluoranthene	33	J	ug/Kg	100	15	9.9	370458	05/05/25	05/06/25	HQN
Pyrene	ND		ug/Kg	100	34	9.9	370458	05/05/25	05/06/25	HQN
Benzo(a)anthracene	13	J	ug/Kg	100	8.1	9.9	370458	05/05/25	05/06/25	HQN
Chrysene	20	J	ug/Kg	100	6.8	9.9	370458	05/05/25	05/06/25	HQN
Benzo(b)fluoranthene	25	J	ug/Kg	100	9.1	9.9	370458	05/05/25	05/06/25	HQN
Benzo(k)fluoranthene	ND		ug/Kg	100	14	9.9	370458	05/05/25	05/06/25	HQN
Benzo(a)pyrene	ND		ug/Kg	100	16	9.9	370458	05/05/25	05/06/25	HQN
Indeno(1,2,3-cd)pyrene	11	J	ug/Kg	100	10	9.9	370458	05/05/25	05/06/25	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	100	11	9.9	370458	05/05/25	05/06/25	HQN
Benzo(g,h,i)perylene	17	J	ug/Kg	100	13	9.9	370458	05/05/25	05/06/25	HQN
Surrogates				Limits						
Nitrobenzene-d5	55%		%REC	27-125		9.9	370458	05/05/25	05/06/25	HQN
2-Fluorobiphenyl	60%		%REC	30-120		9.9	370458	05/05/25	05/06/25	HQN

Analysis Results for 532165

532165-035 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Terphenyl-d14	72%		%REC	33-155		9.9	370458	05/05/25	05/06/25	HQN

Analysis Results for 532165

Sample ID: G 76
Lab ID: 532165-036
Collected: 05/01/25 10:50
Matrix: Soil

532165-036 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	4		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	75		mg/Kg	0.98	0.70	0.98	370947	05/09/25	05/09/25	CAP
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	9.1	2.1	1.8	370552	05/06/25	05/06/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	9.1	2.6	1.8	370552	05/06/25	05/06/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	9.1	3.0	1.8	370552	05/06/25	05/06/25	ZST
Freon 12	ND		ug/Kg	9.1	4.8	1.8	370552	05/06/25	05/06/25	ZST
Chloromethane	ND		ug/Kg	9.1	6.4	1.8	370552	05/06/25	05/06/25	ZST
Vinyl Chloride	ND		ug/Kg	9.1	6.5	1.8	370552	05/06/25	05/06/25	ZST
Bromomethane	ND		ug/Kg	9.1	4.0	1.8	370552	05/06/25	05/06/25	ZST
Chloroethane	ND		ug/Kg	9.1	6.9	1.8	370552	05/06/25	05/06/25	ZST
Trichlorofluoromethane	ND		ug/Kg	9.1	5.8	1.8	370552	05/06/25	05/06/25	ZST
Acetone	210		ug/Kg	180	82	1.8	370552	05/06/25	05/06/25	ZST
Freon 113	ND		ug/Kg	9.1	2.3	1.8	370552	05/06/25	05/06/25	ZST
1,1-Dichloroethene	ND		ug/Kg	9.1	2.6	1.8	370552	05/06/25	05/06/25	ZST
Methylene Chloride	ND		ug/Kg	9.1	8.7	1.8	370552	05/06/25	05/06/25	ZST
MTBE	ND		ug/Kg	9.1	2.0	1.8	370552	05/06/25	05/06/25	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	9.1	3.0	1.8	370552	05/06/25	05/06/25	ZST
1,1-Dichloroethane	ND		ug/Kg	9.1	2.5	1.8	370552	05/06/25	05/06/25	ZST
2-Butanone	14	J	ug/Kg	180	13	1.8	370552	05/06/25	05/06/25	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	9.1	2.2	1.8	370552	05/06/25	05/06/25	ZST
2,2-Dichloropropane	ND		ug/Kg	9.1	1.5	1.8	370552	05/06/25	05/06/25	ZST
Chloroform	ND		ug/Kg	9.1	1.2	1.8	370552	05/06/25	05/06/25	ZST
Bromochloromethane	ND		ug/Kg	9.1	1.3	1.8	370552	05/06/25	05/06/25	ZST
1,1,1-Trichloroethane	ND		ug/Kg	9.1	1.4	1.8	370552	05/06/25	05/06/25	ZST
1,1-Dichloropropene	ND		ug/Kg	9.1	1.8	1.8	370552	05/06/25	05/06/25	ZST
Carbon Tetrachloride	ND		ug/Kg	9.1	1.5	1.8	370552	05/06/25	05/06/25	ZST
1,2-Dichloroethane	ND		ug/Kg	9.1	1.3	1.8	370552	05/06/25	05/06/25	ZST
Benzene	ND		ug/Kg	9.1	1.7	1.8	370552	05/06/25	05/06/25	ZST
Trichloroethene	ND		ug/Kg	9.1	1.5	1.8	370552	05/06/25	05/06/25	ZST
1,2-Dichloropropane	ND		ug/Kg	9.1	2.1	1.8	370552	05/06/25	05/06/25	ZST
Bromodichloromethane	ND		ug/Kg	9.1	2.2	1.8	370552	05/06/25	05/06/25	ZST
Dibromomethane	ND		ug/Kg	9.1	2.0	1.8	370552	05/06/25	05/06/25	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	9.1	2.2	1.8	370552	05/06/25	05/06/25	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	9.1	3.4	1.8	370552	05/06/25	05/06/25	ZST
Toluene	ND		ug/Kg	9.1	1.7	1.8	370552	05/06/25	05/06/25	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	9.1	1.8	1.8	370552	05/06/25	05/06/25	ZST
1,1,2-Trichloroethane	ND		ug/Kg	9.1	0.9	1.8	370552	05/06/25	05/06/25	ZST
1,3-Dichloropropane	ND		ug/Kg	9.1	0.9	1.8	370552	05/06/25	05/06/25	ZST
Tetrachloroethene	ND		ug/Kg	9.1	2.3	1.8	370552	05/06/25	05/06/25	ZST
Dibromochloromethane	ND		ug/Kg	9.1	2.0	1.8	370552	05/06/25	05/06/25	ZST
1,2-Dibromoethane	ND		ug/Kg	9.1	1.1	1.8	370552	05/06/25	05/06/25	ZST

Analysis Results for 532165

532165-036 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Chlorobenzene	ND		ug/Kg	9.1	2.0	1.8	370552	05/06/25	05/06/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	9.1	1.9	1.8	370552	05/06/25	05/06/25	ZST
Ethylbenzene	ND		ug/Kg	9.1	1.8	1.8	370552	05/06/25	05/06/25	ZST
m,p-Xylenes	ND		ug/Kg	18	3.6	1.8	370552	05/06/25	05/06/25	ZST
o-Xylene	ND		ug/Kg	9.1	1.1	1.8	370552	05/06/25	05/06/25	ZST
Styrene	ND		ug/Kg	9.1	1.3	1.8	370552	05/06/25	05/06/25	ZST
Bromoform	ND		ug/Kg	9.1	1.6	1.8	370552	05/06/25	05/06/25	ZST
Isopropylbenzene	ND		ug/Kg	9.1	1.8	1.8	370552	05/06/25	05/06/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	9.1	1.0	1.8	370552	05/06/25	05/06/25	ZST
1,2,3-Trichloropropane	ND		ug/Kg	9.1	1.8	1.8	370552	05/06/25	05/06/25	ZST
Propylbenzene	ND		ug/Kg	9.1	1.9	1.8	370552	05/06/25	05/06/25	ZST
Bromobenzene	ND		ug/Kg	9.1	1.8	1.8	370552	05/06/25	05/06/25	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	9.1	1.8	1.8	370552	05/06/25	05/06/25	ZST
2-Chlorotoluene	ND		ug/Kg	9.1	1.7	1.8	370552	05/06/25	05/06/25	ZST
4-Chlorotoluene	ND		ug/Kg	9.1	1.5	1.8	370552	05/06/25	05/06/25	ZST
tert-Butylbenzene	ND		ug/Kg	9.1	1.6	1.8	370552	05/06/25	05/06/25	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	9.1	1.5	1.8	370552	05/06/25	05/06/25	ZST
sec-Butylbenzene	ND		ug/Kg	9.1	1.9	1.8	370552	05/06/25	05/06/25	ZST
para-Isopropyl Toluene	ND		ug/Kg	9.1	1.6	1.8	370552	05/06/25	05/06/25	ZST
1,3-Dichlorobenzene	ND		ug/Kg	9.1	1.3	1.8	370552	05/06/25	05/06/25	ZST
1,4-Dichlorobenzene	ND		ug/Kg	9.1	1.4	1.8	370552	05/06/25	05/06/25	ZST
n-Butylbenzene	ND		ug/Kg	9.1	1.8	1.8	370552	05/06/25	05/06/25	ZST
1,2-Dichlorobenzene	ND		ug/Kg	9.1	1.4	1.8	370552	05/06/25	05/06/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	9.1	3.3	1.8	370552	05/06/25	05/06/25	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	9.1	2.3	1.8	370552	05/06/25	05/06/25	ZST
Hexachlorobutadiene	ND		ug/Kg	9.1	1.8	1.8	370552	05/06/25	05/06/25	ZST
Naphthalene	ND		ug/Kg	9.1	2.1	1.8	370552	05/06/25	05/06/25	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	9.1	1.9	1.8	370552	05/06/25	05/06/25	ZST
Xylene (total)	ND		ug/Kg	9.1		1.8	370552	05/06/25	05/06/25	ZST
Surrogates	Limits									
Dibromofluoromethane	96%		%REC	70-145		1.8	370552	05/06/25	05/06/25	ZST
1,2-Dichloroethane-d4	119%		%REC	70-145		1.8	370552	05/06/25	05/06/25	ZST
Toluene-d8	103%		%REC	70-145		1.8	370552	05/06/25	05/06/25	ZST
Bromofluorobenzene	103%		%REC	70-145		1.8	370552	05/06/25	05/06/25	ZST

Sample ID: G 77
Lab ID: 532165-037
Collected: 05/01/25 10:55
Matrix: Soil
Basis: Dry

532165-037 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216										
Prep Method: METHOD										
Moisture, Percent	2		%	1		1	371221	05/13/25	05/14/25	TRR
Method: EPA 6010B										
Prep Method: EPA 3050B										
Lead	75		mg/Kg	1.0	0.73	1	370947	05/09/25	05/09/25	CAP

Analysis Results for 532165

Sample ID: G 78	Lab ID: 532165-038	Collected: 05/01/25 11:00
	Matrix: Soil	Basis: Dry

532165-038 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	3		%	1		1	371221	05/13/25	05/14/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	61		mg/Kg	1.0	0.72	0.97	370947	05/09/25	05/09/25	CAP

Sample ID: G 79	Lab ID: 532165-039	Collected: 05/01/25 11:05
	Matrix: Soil	Basis: Dry

532165-039 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	2		%	1		1	371221	05/13/25	05/14/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	110		mg/Kg	1.0	0.71	0.98	370947	05/09/25	05/09/25	CAP

Sample ID: G 80	Lab ID: 532165-040	Collected: 05/01/25 11:10
	Matrix: Soil	Basis: Dry

532165-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	2		%	1		1	371221	05/13/25	05/14/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	48		mg/Kg	0.97	0.69	0.95	370947	05/09/25	05/09/25	CAP

Analysis Results for 532165

Sample ID: COMP-17
Lab ID: 532165-041
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	4		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.5	0.98	370407	05/03/25	05/04/25	KCD
Arsenic	6.7		mg/Kg	1.0	0.72	0.98	370407	05/03/25	05/04/25	KCD
Barium	69		mg/Kg	1.0	0.32	0.98	370407	05/03/25	05/04/25	KCD
Beryllium	0.36	J	mg/Kg	0.51	0.034	0.98	370407	05/03/25	05/04/25	KCD
Cadmium	1.3		mg/Kg	0.51	0.076	0.98	370407	05/03/25	05/04/25	KCD
Chromium	32		mg/Kg	1.0	0.31	0.98	370407	05/03/25	05/04/25	KCD
Cobalt	7.7		mg/Kg	0.51	0.27	0.98	370407	05/03/25	05/04/25	KCD
Copper	42		mg/Kg	1.0	0.77	0.98	370407	05/03/25	05/04/25	KCD
Lead	94		mg/Kg	1.0	0.73	0.98	370407	05/03/25	05/04/25	KCD
Molybdenum	1.8		mg/Kg	1.0	0.56	0.98	370407	05/03/25	05/04/25	KCD
Nickel	16		mg/Kg	1.0	0.35	0.98	370407	05/03/25	05/04/25	KCD
Selenium	ND		mg/Kg	3.1	1.3	0.98	370407	05/03/25	05/04/25	KCD
Silver	ND		mg/Kg	0.51	0.17	0.98	370407	05/03/25	05/04/25	KCD
Thallium	ND		mg/Kg	3.1	1.1	0.98	370407	05/03/25	05/04/25	KCD
Vanadium	36		mg/Kg	1.0	0.16	0.98	370407	05/03/25	05/04/25	KCD
Zinc	410		mg/Kg	5.1	2.3	0.98	370407	05/03/25	05/04/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	0.12	J	mg/Kg	0.17	0.062	1.2	370472	05/05/25	05/05/25	KCD
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	21	7.7	2	370583	05/06/25	05/07/25	KMB
DRO C10-C28	110		mg/Kg	21	7.7	2	370583	05/06/25	05/07/25	KMB
ORO C28-C44	120		mg/Kg	42	7.7	2	370583	05/06/25	05/07/25	KMB
Surrogates	Limits									
n-Triacontane	95%		%REC	70-130		2	370583	05/06/25	05/07/25	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	2.0	1	370470	05/05/25	05/06/25	HQN
beta-BHC	ND		ug/Kg	5.2	2.0	1	370470	05/05/25	05/06/25	HQN
gamma-BHC	ND		ug/Kg	5.2	1.8	1	370470	05/05/25	05/06/25	HQN
delta-BHC	ND		ug/Kg	5.2	2.5	1	370470	05/05/25	05/06/25	HQN
Heptachlor	ND		ug/Kg	5.2	2.0	1	370470	05/05/25	05/06/25	HQN
Aldrin	ND		ug/Kg	5.2	2.4	1	370470	05/05/25	05/06/25	HQN
Heptachlor epoxide	ND		ug/Kg	5.2	2.2	1	370470	05/05/25	05/06/25	HQN
Endosulfan I	ND		ug/Kg	5.2	2.3	1	370470	05/05/25	05/06/25	HQN
Dieldrin	ND		ug/Kg	5.2	3.2	1	370470	05/05/25	05/06/25	HQN
4,4'-DDE	73		ug/Kg	5.2	3.3	1	370470	05/05/25	05/06/25	HQN
Endrin	ND		ug/Kg	5.2	2.1	1	370470	05/05/25	05/06/25	HQN
Endosulfan II	ND		ug/Kg	5.2	2.1	1	370470	05/05/25	05/06/25	HQN
Endosulfan sulfate	ND		ug/Kg	5.2	3.3	1	370470	05/05/25	05/06/25	HQN
4,4'-DDD	ND		ug/Kg	5.2	1.6	1	370470	05/05/25	05/06/25	HQN

Analysis Results for 532165

532165-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.2	3.7	1	370470	05/05/25	05/06/25	HQN
Endrin ketone	ND		ug/Kg	5.2	2.2	1	370470	05/05/25	05/06/25	HQN
4,4'-DDT	33		ug/Kg	5.2	2.1	1	370470	05/05/25	05/06/25	HQN
Methoxychlor	ND		ug/Kg	10	4.0	1	370470	05/05/25	05/06/25	HQN
Toxaphene	ND		ug/Kg	100	91	1	370470	05/05/25	05/06/25	HQN
Chlordane (Technical)	ND		ug/Kg	52	40	1	370470	05/05/25	05/06/25	HQN
Surrogates			Limits							
TCMX	85%		%REC	23-120		1	370470	05/05/25	05/06/25	HQN
Decachlorobiphenyl	90%		%REC	24-120		1	370470	05/05/25	05/06/25	HQN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND		ug/Kg	52	25	1	370470	05/05/25	05/06/25	HQN
Aroclor-1221	ND		ug/Kg	52	25	1	370470	05/05/25	05/06/25	HQN
Aroclor-1232	ND		ug/Kg	52	21	1	370470	05/05/25	05/06/25	HQN
Aroclor-1242	ND		ug/Kg	52	27	1	370470	05/05/25	05/06/25	HQN
Aroclor-1248	ND		ug/Kg	52	36	1	370470	05/05/25	05/06/25	HQN
Aroclor-1254	ND		ug/Kg	52	39	1	370470	05/05/25	05/06/25	HQN
Aroclor-1260	ND		ug/Kg	52	28	1	370470	05/05/25	05/06/25	HQN
Aroclor-1262	ND		ug/Kg	52	26	1	370470	05/05/25	05/06/25	HQN
Aroclor-1268	ND		ug/Kg	52	32	1	370470	05/05/25	05/06/25	HQN
Total PCBs	ND		ug/Kg	52		1	370470	05/05/25	05/06/25	HQN
Surrogates			Limits							
Decachlorobiphenyl (PCB)	95%		%REC	19-121		1	370470	05/05/25	05/06/25	HQN

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	100	11	10	370458	05/05/25	05/07/25	HQN
2-Methylnaphthalene	ND		ug/Kg	100	15	10	370458	05/05/25	05/07/25	HQN
Naphthalene	ND		ug/Kg	100	17	10	370458	05/05/25	05/07/25	HQN
Acenaphthylene	ND		ug/Kg	100	12	10	370458	05/05/25	05/07/25	HQN
Acenaphthene	ND		ug/Kg	100	7.8	10	370458	05/05/25	05/07/25	HQN
Fluorene	ND		ug/Kg	100	8.7	10	370458	05/05/25	05/07/25	HQN
Phenanthrene	ND		ug/Kg	100	17	10	370458	05/05/25	05/07/25	HQN
Anthracene	ND		ug/Kg	100	10	10	370458	05/05/25	05/07/25	HQN
Fluoranthene	ND		ug/Kg	100	15	10	370458	05/05/25	05/07/25	HQN
Pyrene	ND		ug/Kg	100	34	10	370458	05/05/25	05/07/25	HQN
Benzo(a)anthracene	ND		ug/Kg	100	8.1	10	370458	05/05/25	05/07/25	HQN
Chrysene	6.9	J	ug/Kg	100	6.8	10	370458	05/05/25	05/07/25	HQN
Benzo(b)fluoranthene	10	J	ug/Kg	100	9.1	10	370458	05/05/25	05/07/25	HQN
Benzo(k)fluoranthene	ND		ug/Kg	100	14	10	370458	05/05/25	05/07/25	HQN
Benzo(a)pyrene	ND		ug/Kg	100	16	10	370458	05/05/25	05/07/25	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	100	10	10	370458	05/05/25	05/07/25	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	100	11	10	370458	05/05/25	05/07/25	HQN
Benzo(g,h,i)perylene	14	J	ug/Kg	100	13	10	370458	05/05/25	05/07/25	HQN

Surrogates			Limits							
Nitrobenzene-d5	54%		%REC	27-125		10	370458	05/05/25	05/07/25	HQN
2-Fluorobiphenyl	62%		%REC	30-120		10	370458	05/05/25	05/07/25	HQN
Terphenyl-d14	75%		%REC	33-155		10	370458	05/05/25	05/07/25	HQN

Analysis Results for 532165

Sample ID: G 81	Lab ID: 532165-042	Collected: 05/01/25 11:15
	Matrix: Soil	Basis: Dry

532165-042 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	ND		%	1		1	371221	05/13/25	05/14/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	270		mg/Kg	1.0	0.72	1	370947	05/09/25	05/09/25	CAP

Sample ID: G 82	Lab ID: 532165-043	Collected: 05/01/25 11:20
	Matrix: Soil	Basis: Dry

532165-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	5		%	1		1	371221	05/13/25	05/14/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	24		mg/Kg	1.0	0.72	0.95	370947	05/09/25	05/09/25	CAP

Sample ID: G 83	Lab ID: 532165-044	Collected: 05/01/25 11:25
	Matrix: Soil	Basis: Dry

532165-044 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	2		%	1		1	371221	05/13/25	05/14/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	97		mg/Kg	0.99	0.71	0.97	370947	05/09/25	05/09/25	CAP

Sample ID: G 84	Lab ID: 532165-045	Collected: 05/01/25 11:30
	Matrix: Soil	Basis: Dry

532165-045 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	10		%	1		1	371221	05/13/25	05/14/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	81		mg/Kg	1.1	0.78	0.98	370947	05/09/25	05/09/25	CAP

Analysis Results for 532165

Sample ID: G 85	Lab ID: 532165-046	Collected: 05/01/25 11:35
	Matrix: Soil	Basis: Dry

532165-046 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	4		%	1		1	371221	05/13/25	05/14/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	16		mg/Kg	1.0	0.74	1	370947	05/09/25	05/09/25	CAP

Analysis Results for 532165

Sample ID: COMP-18
Lab ID: 532165-047
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	5		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.5	0.95	370407	05/03/25	05/04/25	KCD
Arsenic	7.2		mg/Kg	1.0	0.70	0.95	370407	05/03/25	05/04/25	KCD
Barium	130		mg/Kg	1.0	0.32	0.95	370407	05/03/25	05/04/25	KCD
Beryllium	0.32	J	mg/Kg	0.50	0.034	0.95	370407	05/03/25	05/04/25	KCD
Cadmium	1.9		mg/Kg	0.50	0.075	0.95	370407	05/03/25	05/04/25	KCD
Chromium	30		mg/Kg	1.0	0.30	0.95	370407	05/03/25	05/04/25	KCD
Cobalt	7.1		mg/Kg	0.50	0.26	0.95	370407	05/03/25	05/04/25	KCD
Copper	54		mg/Kg	1.0	0.76	0.95	370407	05/03/25	05/04/25	KCD
Lead	69		mg/Kg	1.0	0.72	0.95	370407	05/03/25	05/04/25	KCD
Molybdenum	3.1		mg/Kg	1.0	0.55	0.95	370407	05/03/25	05/04/25	KCD
Nickel	18		mg/Kg	1.0	0.34	0.95	370407	05/03/25	05/04/25	KCD
Selenium	ND		mg/Kg	3.0	1.2	0.95	370407	05/03/25	05/04/25	KCD
Silver	0.33	J	mg/Kg	0.50	0.17	0.95	370407	05/03/25	05/04/25	KCD
Thallium	ND		mg/Kg	3.0	1.1	0.95	370407	05/03/25	05/04/25	KCD
Vanadium	37		mg/Kg	1.0	0.16	0.95	370407	05/03/25	05/04/25	KCD
Zinc	430		mg/Kg	5.0	2.3	0.95	370407	05/03/25	05/04/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	0.13	J	mg/Kg	0.16	0.059	1.1	370472	05/05/25	05/05/25	KCD
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	10	4.1	2	370470	05/05/25	05/06/25	HQN
beta-BHC	ND		ug/Kg	10	4.0	2	370470	05/05/25	05/06/25	HQN
gamma-BHC	ND		ug/Kg	10	3.5	2	370470	05/05/25	05/06/25	HQN
delta-BHC	ND		ug/Kg	10	4.9	2	370470	05/05/25	05/06/25	HQN
Heptachlor	ND		ug/Kg	10	4.0	2	370470	05/05/25	05/06/25	HQN
Aldrin	ND		ug/Kg	10	4.7	2	370470	05/05/25	05/06/25	HQN
Heptachlor epoxide	ND		ug/Kg	10	4.4	2	370470	05/05/25	05/06/25	HQN
Endosulfan I	ND		ug/Kg	10	4.6	2	370470	05/05/25	05/06/25	HQN
Dieldrin	ND		ug/Kg	10	6.3	2	370470	05/05/25	05/06/25	HQN
4,4'-DDE	94		ug/Kg	10	6.6	2	370470	05/05/25	05/06/25	HQN
Endrin	ND		ug/Kg	10	4.2	2	370470	05/05/25	05/06/25	HQN
Endosulfan II	ND		ug/Kg	10	4.2	2	370470	05/05/25	05/06/25	HQN
Endosulfan sulfate	ND		ug/Kg	10	6.6	2	370470	05/05/25	05/06/25	HQN
4,4'-DDD	ND		ug/Kg	10	3.3	2	370470	05/05/25	05/06/25	HQN
Endrin aldehyde	ND		ug/Kg	10	7.4	2	370470	05/05/25	05/06/25	HQN
Endrin ketone	ND		ug/Kg	10	4.3	2	370470	05/05/25	05/06/25	HQN
4,4'-DDT	ND		ug/Kg	10	4.2	2	370470	05/05/25	05/06/25	HQN
Methoxychlor	ND		ug/Kg	21	7.8	2	370470	05/05/25	05/06/25	HQN
Toxaphene	ND		ug/Kg	210	180	2	370470	05/05/25	05/06/25	HQN
Chlordane (Technical)	ND		ug/Kg	100	80	2	370470	05/05/25	05/06/25	HQN
Surrogates	Limits									

Analysis Results for 532165

532165-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX	151%	*	%REC	23-120		2	370470	05/05/25	05/06/25	HQN
Decachlorobiphenyl	80%		%REC	24-120		2	370470	05/05/25	05/06/25	HQN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	100	11	10	370458	05/05/25	05/07/25	HQN
2-Methylnaphthalene	ND		ug/Kg	100	15	10	370458	05/05/25	05/07/25	HQN
Naphthalene	ND		ug/Kg	100	17	10	370458	05/05/25	05/07/25	HQN
Acenaphthylene	ND		ug/Kg	100	12	10	370458	05/05/25	05/07/25	HQN
Acenaphthene	ND		ug/Kg	100	7.9	10	370458	05/05/25	05/07/25	HQN
Fluorene	ND		ug/Kg	100	8.8	10	370458	05/05/25	05/07/25	HQN
Phenanthrene	33	J	ug/Kg	100	18	10	370458	05/05/25	05/07/25	HQN
Anthracene	ND		ug/Kg	100	10	10	370458	05/05/25	05/07/25	HQN
Fluoranthene	33	J	ug/Kg	100	15	10	370458	05/05/25	05/07/25	HQN
Pyrene	ND		ug/Kg	100	34	10	370458	05/05/25	05/07/25	HQN
Benzo(a)anthracene	8.2	J	ug/Kg	100	8.2	10	370458	05/05/25	05/07/25	HQN
Chrysene	17	J	ug/Kg	100	6.9	10	370458	05/05/25	05/07/25	HQN
Benzo(b)fluoranthene	12	J	ug/Kg	100	9.2	10	370458	05/05/25	05/07/25	HQN
Benzo(k)fluoranthene	ND		ug/Kg	100	14	10	370458	05/05/25	05/07/25	HQN
Benzo(a)pyrene	ND		ug/Kg	100	16	10	370458	05/05/25	05/07/25	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	100	10	10	370458	05/05/25	05/07/25	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	100	11	10	370458	05/05/25	05/07/25	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	100	13	10	370458	05/05/25	05/07/25	HQN
Surrogates				Limits						
Nitrobenzene-d5	38%		%REC	27-125		10	370458	05/05/25	05/07/25	HQN
2-Fluorobiphenyl	41%		%REC	30-120		10	370458	05/05/25	05/07/25	HQN
Terphenyl-d14	52%		%REC	33-155		10	370458	05/05/25	05/07/25	HQN

Analysis Results for 532165

Sample ID: COMP-19
Lab ID: 532165-050
Collected: 05/01/25
Matrix: Soil
Basis: Dry

532165-050 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	4		%	1		1	370605	05/06/25	05/06/25	TRR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.5	0.95	370407	05/03/25	05/04/25	KCD
Arsenic	4.9		mg/Kg	0.99	0.70	0.95	370407	05/03/25	05/04/25	KCD
Barium	110		mg/Kg	0.99	0.31	0.95	370407	05/03/25	05/04/25	KCD
Beryllium	0.51		mg/Kg	0.50	0.033	0.95	370407	05/03/25	05/04/25	KCD
Cadmium	1.9		mg/Kg	0.50	0.074	0.95	370407	05/03/25	05/04/25	KCD
Chromium	22		mg/Kg	0.99	0.30	0.95	370407	05/03/25	05/04/25	KCD
Cobalt	12		mg/Kg	0.50	0.26	0.95	370407	05/03/25	05/04/25	KCD
Copper	37		mg/Kg	0.99	0.75	0.95	370407	05/03/25	05/04/25	KCD
Lead	15		mg/Kg	0.99	0.71	0.95	370407	05/03/25	05/04/25	KCD
Molybdenum	2.2		mg/Kg	0.99	0.54	0.95	370407	05/03/25	05/04/25	KCD
Nickel	19		mg/Kg	0.99	0.34	0.95	370407	05/03/25	05/04/25	KCD
Selenium	ND		mg/Kg	3.0	1.2	0.95	370407	05/03/25	05/04/25	KCD
Silver	ND		mg/Kg	0.50	0.17	0.95	370407	05/03/25	05/04/25	KCD
Thallium	ND		mg/Kg	3.0	1.1	0.95	370407	05/03/25	05/04/25	KCD
Vanadium	60		mg/Kg	0.99	0.16	0.95	370407	05/03/25	05/04/25	KCD
Zinc	120		mg/Kg	5.0	2.3	0.95	370407	05/03/25	05/04/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.16	0.057	1.1	370472	05/05/25	05/05/25	KCD
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	1.1	1	370458	05/05/25	05/07/25	HQN
2-Methylnaphthalene	ND		ug/Kg	10	1.5	1	370458	05/05/25	05/07/25	HQN
Naphthalene	1.7	J	ug/Kg	10	1.7	1	370458	05/05/25	05/07/25	HQN
Acenaphthylene	ND		ug/Kg	10	1.2	1	370458	05/05/25	05/07/25	HQN
Acenaphthene	ND		ug/Kg	10	0.78	1	370458	05/05/25	05/07/25	HQN
Fluorene	ND		ug/Kg	10	0.88	1	370458	05/05/25	05/07/25	HQN
Phenanthrene	6.1	J	ug/Kg	10	1.7	1	370458	05/05/25	05/07/25	HQN
Anthracene	1.3	J	ug/Kg	10	1.0	1	370458	05/05/25	05/07/25	HQN
Fluoranthene	3.5	J	ug/Kg	10	1.5	1	370458	05/05/25	05/07/25	HQN
Pyrene	ND		ug/Kg	10	3.4	1	370458	05/05/25	05/07/25	HQN
Benzo(a)anthracene	1.0	J	ug/Kg	10	0.81	1	370458	05/05/25	05/07/25	HQN
Chrysene	1.6	J	ug/Kg	10	0.68	1	370458	05/05/25	05/07/25	HQN
Benzo(b)fluoranthene	2.3	J	ug/Kg	10	0.91	1	370458	05/05/25	05/07/25	HQN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.4	1	370458	05/05/25	05/07/25	HQN
Benzo(a)pyrene	ND		ug/Kg	10	1.6	1	370458	05/05/25	05/07/25	HQN
Indeno(1,2,3-cd)pyrene	1.1	J	ug/Kg	10	1.0	1	370458	05/05/25	05/07/25	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.1	1	370458	05/05/25	05/07/25	HQN
Benzo(g,h,i)perylene	1.8	J	ug/Kg	10	1.3	1	370458	05/05/25	05/07/25	HQN
Surrogates				Limits						
Nitrobenzene-d5	38%		%REC	27-125		1	370458	05/05/25	05/07/25	HQN
2-Fluorobiphenyl	47%		%REC	30-120		1	370458	05/05/25	05/07/25	HQN

Analysis Results for 532165

532165-050 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Terphenyl-d14	68%		%REC	33-155		1	370458	05/05/25	05/07/25	HQN

Analysis Results for 532165

Sample ID: TB-050125
Lab ID: 532165-051
Collected: 05/01/25
Matrix: Water

532165-051 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B										
Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50	12	1	370666	05/07/25	05/07/25	SXR
Surrogates	Limits									
Bromofluorobenzene (FID)	95%		%REC	60-140		1	370666	05/07/25	05/07/25	SXR
Method: EPA 8260B										
Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	370475	05/05/25	05/05/25	TCN
Freon 12	ND		ug/L	5.0	0.3	1	370475	05/05/25	05/05/25	TCN
Chloromethane	ND		ug/L	5.0	0.4	1	370475	05/05/25	05/05/25	TCN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Bromomethane	ND		ug/L	5.0	0.8	1	370475	05/05/25	05/05/25	TCN
Chloroethane	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Acetone	ND		ug/L	100	17	1	370475	05/05/25	05/05/25	TCN
Freon 113	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Methylene Chloride	ND		ug/L	5.0	3.5	1	370475	05/05/25	05/05/25	TCN
MTBE	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
2-Butanone	ND		ug/L	100	2.0	1	370475	05/05/25	05/05/25	TCN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
Chloroform	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Bromochloromethane	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
Benzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Trichloroethene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Bromodichloromethane	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Dibromomethane	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	370475	05/05/25	05/05/25	TCN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Toluene	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
Tetrachloroethene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
Chlorobenzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
Ethylbenzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN

Analysis Results for 532165

532165-051 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/L	10	0.2	1	370475	05/05/25	05/05/25	TCN
o-Xylene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Styrene	ND		ug/L	5.0	0.08	1	370475	05/05/25	05/05/25	TCN
Bromoform	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
Isopropylbenzene	ND		ug/L	5.0	0.09	1	370475	05/05/25	05/05/25	TCN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
Propylbenzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
Bromobenzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	370475	05/05/25	05/05/25	TCN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
n-Butylbenzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	370475	05/05/25	05/05/25	TCN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
Naphthalene	ND		ug/L	5.0	0.3	1	370475	05/05/25	05/05/25	TCN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	370475	05/05/25	05/05/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	370475	05/05/25	05/05/25	TCN
Xylene (total)	ND		ug/L	5.0		1	370475	05/05/25	05/05/25	TCN
Surrogates	Limits									
Dibromofluoromethane	100%		%REC	70-130		1	370475	05/05/25	05/05/25	TCN
1,2-Dichloroethane-d4	121%		%REC	70-130		1	370475	05/05/25	05/05/25	TCN
Toluene-d8	92%		%REC	70-130		1	370475	05/05/25	05/05/25	TCN
Bromofluorobenzene	95%		%REC	70-130		1	370475	05/05/25	05/05/25	TCN

* Value is outside QC limits
C Presence confirmed, but RPD between columns exceeds 40%
J Estimated value
ND Not Detected

Batch QC

Type: Sample Duplicate	Lab ID: QC1254419	Batch: 370452
Matrix (Source ID): Soil (532052-005)	Method: ASTM D2216	Prep Method: METHOD

QC1254419 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	7.425	7.416	%		0	20		1

Type: Sample Duplicate	Lab ID: QC1254949	Batch: 370605
Matrix (Source ID): Soil (532165-047)	Method: ASTM D2216	Prep Method: METHOD

QC1254949 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	5.837	5.484	%		6	20		1

Type: Sample Duplicate	Lab ID: QC1256964	Batch: 371221
Matrix (Source ID): Soil (532960-002)	Method: ASTM D2216	Prep Method: METHOD

QC1256964 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	4.348	4.444	%		2	20		1

Type: Blank	Lab ID: QC1256031	Batch: 370947
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1256031 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.5	05/09/25	05/09/25
Arsenic	ND		mg/Kg	1.0	0.70	05/09/25	05/09/25
Barium	0.49	J	mg/Kg	1.0	0.32	05/09/25	05/09/25
Beryllium	ND		mg/Kg	0.50	0.034	05/09/25	05/09/25
Cadmium	ND		mg/Kg	0.50	0.074	05/09/25	05/09/25
Chromium	ND		mg/Kg	1.0	0.30	05/09/25	05/09/25
Cobalt	ND		mg/Kg	0.50	0.26	05/09/25	05/09/25
Copper	ND		mg/Kg	1.0	0.76	05/09/25	05/09/25
Lead	ND		mg/Kg	1.0	0.71	05/09/25	05/09/25
Molybdenum	ND		mg/Kg	1.0	0.54	05/09/25	05/09/25
Nickel	0.41	J	mg/Kg	1.0	0.34	05/09/25	05/09/25
Selenium	ND		mg/Kg	3.0	1.2	05/09/25	05/09/25
Silver	ND		mg/Kg	0.50	0.17	05/09/25	05/09/25
Thallium	ND		mg/Kg	3.0	1.1	05/09/25	05/09/25
Vanadium	ND		mg/Kg	1.0	0.16	05/09/25	05/09/25
Zinc	ND		mg/Kg	5.0	2.3	05/09/25	05/09/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1256032	Batch: 370947
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1256032 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	97.50	100.0	mg/Kg	98%		80-120
Arsenic	96.95	100.0	mg/Kg	97%		80-120
Barium	104.1	100.0	mg/Kg	104%		80-120
Beryllium	98.89	100.0	mg/Kg	99%		80-120
Cadmium	98.93	100.0	mg/Kg	99%		80-120
Chromium	98.84	100.0	mg/Kg	99%		80-120
Cobalt	100.5	100.0	mg/Kg	100%		80-120
Copper	99.47	100.0	mg/Kg	99%		80-120
Lead	102.9	100.0	mg/Kg	103%		80-120
Molybdenum	97.62	100.0	mg/Kg	98%		80-120
Nickel	101.9	100.0	mg/Kg	102%		80-120
Selenium	92.70	100.0	mg/Kg	93%		80-120
Silver	48.11	50.00	mg/Kg	96%		80-120
Thallium	102.0	100.0	mg/Kg	102%		80-120
Vanadium	98.31	100.0	mg/Kg	98%		80-120
Zinc	100.6	100.0	mg/Kg	101%		80-120

Type: Matrix Spike	Lab ID: QC1256033	Batch: 370947
Matrix (Source ID): Soil (532165-020)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1256033 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	35.69	ND	96.15	mg/Kg	37%	*	75-125	0.96
Arsenic	91.03	5.768	96.15	mg/Kg	89%		75-125	0.96
Barium	169.9	78.48	96.15	mg/Kg	95%		75-125	0.96
Beryllium	87.54	0.3435	96.15	mg/Kg	91%		75-125	0.96
Cadmium	85.65	1.227	96.15	mg/Kg	88%		75-125	0.96
Chromium	100.8	14.52	96.15	mg/Kg	90%		75-125	0.96
Cobalt	96.06	8.532	96.15	mg/Kg	91%		75-125	0.96
Copper	127.8	29.45	96.15	mg/Kg	102%		75-125	0.96
Lead	132.6	43.41	96.15	mg/Kg	93%		75-125	0.96
Molybdenum	81.29	2.094	96.15	mg/Kg	82%		75-125	0.96
Nickel	105.9	15.99	96.15	mg/Kg	93%		75-125	0.96
Selenium	82.63	ND	96.15	mg/Kg	86%		75-125	0.96
Silver	42.07	ND	48.08	mg/Kg	88%		75-125	0.96
Thallium	86.05	ND	96.15	mg/Kg	89%		75-125	0.96
Vanadium	134.5	36.51	96.15	mg/Kg	102%		75-125	0.96
Zinc	310.4	170.3	96.15	mg/Kg	146%	*	75-125	0.96

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1256034	Batch: 370947
Matrix (Source ID): Soil (532165-020)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1256034 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	39.31	ND	100.0	mg/Kg	39%	*	75-125	6	41	1
Arsenic	95.49	5.768	100.0	mg/Kg	90%		75-125	1	35	1
Barium	175.5	78.48	100.0	mg/Kg	97%		75-125	1	20	1
Beryllium	91.36	0.3435	100.0	mg/Kg	91%		75-125	0	20	1
Cadmium	89.79	1.227	100.0	mg/Kg	89%		75-125	1	20	1
Chromium	106.6	14.52	100.0	mg/Kg	92%		75-125	2	20	1
Cobalt	99.55	8.532	100.0	mg/Kg	91%		75-125	0	20	1
Copper	129.3	29.45	100.0	mg/Kg	100%		75-125	2	20	1
Lead	142.8	43.41	100.0	mg/Kg	99%		75-125	5	20	1
Molybdenum	86.12	2.094	100.0	mg/Kg	84%		75-125	2	20	1
Nickel	109.2	15.99	100.0	mg/Kg	93%		75-125	0	20	1
Selenium	86.73	ND	100.0	mg/Kg	87%		75-125	1	20	1
Silver	44.13	ND	50.00	mg/Kg	88%		75-125	1	20	1
Thallium	90.66	ND	100.0	mg/Kg	91%		75-125	1	20	1
Vanadium	135.9	36.51	100.0	mg/Kg	99%		75-125	2	20	1
Zinc	252.4	170.3	100.0	mg/Kg	82%		75-125	22*	20	1

Type: Post Digest Spike	Lab ID: QC1256035	Batch: 370947
Matrix (Source ID): Soil (532165-020)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1256035 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	90.41	ND	99.01	mg/Kg	91%		75-125	0.99
Arsenic	93.82	5.768	99.01	mg/Kg	89%		75-125	0.99
Barium	167.5	78.48	99.01	mg/Kg	90%		75-125	0.99
Beryllium	89.31	0.3435	99.01	mg/Kg	90%		75-125	0.99
Cadmium	87.44	1.227	99.01	mg/Kg	87%		75-125	0.99
Chromium	101.5	14.52	99.01	mg/Kg	88%		75-125	0.99
Cobalt	96.49	8.532	99.01	mg/Kg	89%		75-125	0.99
Copper	123.3	29.45	99.01	mg/Kg	95%		75-125	0.99
Lead	132.1	43.41	99.01	mg/Kg	90%		75-125	0.99
Molybdenum	90.67	2.094	99.01	mg/Kg	89%		75-125	0.99
Nickel	105.6	15.99	99.01	mg/Kg	90%		75-125	0.99
Selenium	85.69	ND	99.01	mg/Kg	87%		75-125	0.99
Silver	43.65	ND	49.50	mg/Kg	88%		75-125	0.99
Thallium	89.42	ND	99.01	mg/Kg	90%		75-125	0.99
Vanadium	124.5	36.51	99.01	mg/Kg	89%		75-125	0.99
Zinc	253.3	170.3	99.01	mg/Kg	84%		75-125	0.99

Batch QC

Type: Serial Dilution	Lab ID: QC1256139	Batch: 370947
Matrix (Source ID): Soil (532165-020)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1256139 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	ND	mg/Kg				5
Arsenic	6.170	5.768	mg/Kg				5
Barium	82.22	78.48	mg/Kg				5
Beryllium	0.2545	0.3435	mg/Kg	J			5
Cadmium	1.098	1.227	mg/Kg	J			5
Chromium	15.15	14.52	mg/Kg				5
Cobalt	8.641	8.532	mg/Kg				5
Copper	28.37	29.45	mg/Kg				5
Lead	45.08	43.41	mg/Kg				5
Molybdenum	2.730	2.094	mg/Kg	J			5
Nickel	16.58	15.99	mg/Kg				5
Selenium	ND	ND	mg/Kg				5
Silver	ND	ND	mg/Kg				5
Thallium	ND	ND	mg/Kg				5
Vanadium	37.58	36.51	mg/Kg				5
Zinc	183.1	170.3	mg/Kg				5

Type: Blank	Lab ID: QC1254242	Batch: 370407
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1254242 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.5	05/03/25	05/04/25
Arsenic	ND		mg/Kg	1.0	0.70	05/03/25	05/04/25
Barium	ND		mg/Kg	1.0	0.32	05/03/25	05/04/25
Beryllium	ND		mg/Kg	0.50	0.034	05/03/25	05/04/25
Cadmium	ND		mg/Kg	0.50	0.074	05/03/25	05/04/25
Chromium	ND		mg/Kg	1.0	0.30	05/03/25	05/04/25
Cobalt	ND		mg/Kg	0.50	0.26	05/03/25	05/04/25
Copper	ND		mg/Kg	1.0	0.76	05/03/25	05/04/25
Lead	ND		mg/Kg	1.0	0.71	05/03/25	05/04/25
Molybdenum	ND		mg/Kg	1.0	0.54	05/03/25	05/04/25
Nickel	ND		mg/Kg	1.0	0.34	05/03/25	05/04/25
Selenium	ND		mg/Kg	3.0	1.2	05/03/25	05/04/25
Silver	ND		mg/Kg	0.50	0.17	05/03/25	05/04/25
Thallium	ND		mg/Kg	3.0	1.1	05/03/25	05/04/25
Vanadium	ND		mg/Kg	1.0	0.16	05/03/25	05/04/25
Zinc	ND		mg/Kg	5.0	2.3	05/03/25	05/04/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1254243	Batch: 370407
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1254243 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	102.2	100.0	mg/Kg	102%		80-120
Arsenic	101.0	100.0	mg/Kg	101%		80-120
Barium	103.5	100.0	mg/Kg	104%		80-120
Beryllium	102.9	100.0	mg/Kg	103%		80-120
Cadmium	102.1	100.0	mg/Kg	102%		80-120
Chromium	101.0	100.0	mg/Kg	101%		80-120
Cobalt	104.2	100.0	mg/Kg	104%		80-120
Copper	101.1	100.0	mg/Kg	101%		80-120
Lead	104.9	100.0	mg/Kg	105%		80-120
Molybdenum	98.83	100.0	mg/Kg	99%		80-120
Nickel	104.8	100.0	mg/Kg	105%		80-120
Selenium	96.09	100.0	mg/Kg	96%		80-120
Silver	49.47	50.00	mg/Kg	99%		80-120
Thallium	102.9	100.0	mg/Kg	103%		80-120
Vanadium	101.3	100.0	mg/Kg	101%		80-120
Zinc	101.3	100.0	mg/Kg	101%		80-120

Type: Matrix Spike	Lab ID: QC1254244	Batch: 370407
Matrix (Source ID): Miscell. (532236-001)	Method: EPA 6010B	Prep Method: EPA 3050B
		Basis: Dry

QC1254244 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	36.49	ND	98.04	mg/Kg	37%	*	75-125	0.98
Arsenic	100.0	2.939	98.04	mg/Kg	99%		75-125	0.98
Barium	272.0	137.6	98.04	mg/Kg	137%	*	75-125	0.98
Beryllium	97.26	0.2519	98.04	mg/Kg	99%		75-125	0.98
Cadmium	94.54	0.09179	98.04	mg/Kg	96%		75-125	0.98
Chromium	107.1	11.60	98.04	mg/Kg	97%		75-125	0.98
Cobalt	105.3	9.007	98.04	mg/Kg	98%		75-125	0.98
Copper	118.5	15.40	98.04	mg/Kg	105%		75-125	0.98
Lead	103.8	5.910	98.04	mg/Kg	100%		75-125	0.98
Molybdenum	92.58	0.8749	98.04	mg/Kg	94%		75-125	0.98
Nickel	115.0	16.70	98.04	mg/Kg	100%		75-125	0.98
Selenium	91.50	ND	98.04	mg/Kg	93%		75-125	0.98
Silver	46.00	ND	49.02	mg/Kg	94%		75-125	0.98
Thallium	93.63	ND	98.04	mg/Kg	96%		75-125	0.98
Vanadium	144.7	41.93	98.04	mg/Kg	105%		75-125	0.98
Zinc	145.1	47.97	98.04	mg/Kg	99%		75-125	0.98

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1254245	Batch: 370407
Matrix (Source ID): Miscell. (532236-001)	Method: EPA 6010B	Prep Method: EPA 3050B
		Basis: Dry

QC1254245 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	41.40	ND	100.0	mg/Kg	41%	*	75-125	11	41	1
Arsenic	103.4	2.939	100.0	mg/Kg	100%		75-125	1	35	1
Barium	254.2	137.6	100.0	mg/Kg	117%		75-125	8	20	1
Beryllium	101.6	0.2519	100.0	mg/Kg	101%		75-125	2	20	1
Cadmium	98.89	0.09179	100.0	mg/Kg	99%		75-125	3	20	1
Chromium	111.4	11.60	100.0	mg/Kg	100%		75-125	2	20	1
Cobalt	108.8	9.007	100.0	mg/Kg	100%		75-125	1	20	1
Copper	122.0	15.40	100.0	mg/Kg	107%		75-125	1	20	1
Lead	106.8	5.910	100.0	mg/Kg	101%		75-125	1	20	1
Molybdenum	96.31	0.8749	100.0	mg/Kg	95%		75-125	2	20	1
Nickel	117.1	16.70	100.0	mg/Kg	100%		75-125	0	20	1
Selenium	95.51	ND	100.0	mg/Kg	96%		75-125	2	20	1
Silver	47.90	ND	50.00	mg/Kg	96%		75-125	2	20	1
Thallium	97.67	ND	100.0	mg/Kg	98%		75-125	2	20	1
Vanadium	146.2	41.93	100.0	mg/Kg	104%		75-125	0	20	1
Zinc	146.5	47.97	100.0	mg/Kg	99%		75-125	0	20	1

Type: Post Digest Spike	Lab ID: QC1254246	Batch: 370407
Matrix (Source ID): Miscell. (532236-001)	Method: EPA 6010B	Prep Method: EPA 3050B
		Basis: Dry

QC1254246 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	88.45	ND	95.24	mg/Kg	93%		75-125	0.95
Arsenic	94.57	2.939	95.24	mg/Kg	96%		75-125	0.95
Barium	228.2	137.6	95.24	mg/Kg	95%		75-125	0.95
Beryllium	92.89	0.2519	95.24	mg/Kg	97%		75-125	0.95
Cadmium	89.96	0.09179	95.24	mg/Kg	94%		75-125	0.95
Chromium	100.8	11.60	95.24	mg/Kg	94%		75-125	0.95
Cobalt	100.8	9.007	95.24	mg/Kg	96%		75-125	0.95
Copper	111.9	15.40	95.24	mg/Kg	101%		75-125	0.95
Lead	97.78	5.910	95.24	mg/Kg	96%		75-125	0.95
Molybdenum	91.44	0.8749	95.24	mg/Kg	95%		75-125	0.95
Nickel	107.3	16.70	95.24	mg/Kg	95%		75-125	0.95
Selenium	88.23	ND	95.24	mg/Kg	93%		75-125	0.95
Silver	45.68	ND	47.62	mg/Kg	96%		75-125	0.95
Thallium	89.83	ND	95.24	mg/Kg	94%		75-125	0.95
Vanadium	132.6	41.93	95.24	mg/Kg	95%		75-125	0.95
Zinc	135.5	47.97	95.24	mg/Kg	92%		75-125	0.95

Batch QC

Type: Serial Dilution	Lab ID: QC1254331	Batch: 370407
Matrix (Source ID): Miscell. (532236-001)	Method: EPA 6010B	Prep Method: EPA 3050B
		Basis: Dry

QC1254331 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	ND	mg/Kg				4.8
Arsenic	ND	2.939	mg/Kg				4.8
Barium	141.1	137.6	mg/Kg				4.8
Beryllium	0.1994	0.2519	mg/Kg	J			4.8
Cadmium	ND	0.09179	mg/Kg				4.8
Chromium	11.70	11.60	mg/Kg				4.8
Cobalt	9.228	9.007	mg/Kg				4.8
Copper	13.23	15.40	mg/Kg				4.8
Lead	5.628	5.910	mg/Kg				4.8
Molybdenum	ND	0.8749	mg/Kg				4.8
Nickel	16.77	16.70	mg/Kg				4.8
Selenium	ND	ND	mg/Kg				4.8
Silver	ND	ND	mg/Kg				4.8
Thallium	ND	ND	mg/Kg				4.8
Vanadium	42.00	41.93	mg/Kg				4.8
Zinc	47.36	47.97	mg/Kg				4.8

Type: Blank	Lab ID: QC1254501	Batch: 370472
Matrix: Soil	Method: EPA 7471A	Prep Method: EPA 7471A

QC1254501 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.051	05/05/25	05/05/25

Type: Lab Control Sample	Lab ID: QC1254502	Batch: 370472
Matrix: Soil	Method: EPA 7471A	Prep Method: EPA 7471A

QC1254502 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8507	0.8333	mg/Kg	102%		80-120

Type: Matrix Spike	Lab ID: QC1254503	Batch: 370472
Matrix (Source ID): Miscell. (532236-001)	Method: EPA 7471A	Prep Method: EPA 7471A
		Basis: Dry

QC1254503 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8879	ND	0.8621	mg/Kg	103%		75-125	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1254504	Batch: 370472
Matrix (Source ID): Miscell. (532236-001)	Method: EPA 7471A	Prep Method: EPA 7471A
		Basis: Dry

QC1254504 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8680	ND	0.8475	mg/Kg	102%		75-125	1	20	1

Type: Lab Control Sample	Lab ID: QC1255146	Batch: 370666
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC1255146 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	474.0	500.0	ug/L	95%		70-130
Surrogates						
Bromofluorobenzene (FID)	192.1	200.0	ug/L	96%		60-140

Type: Matrix Spike	Lab ID: QC1255147	Batch: 370666
Matrix (Source ID): Water (532194-001)	Method: EPA 8015B	Prep Method: EPA 5030B

QC1255147 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	567.8	ND	500.0	ug/L	114%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	198.3		200.0	ug/L	99%		60-140	1

Type: Matrix Spike Duplicate	Lab ID: QC1255148	Batch: 370666
Matrix (Source ID): Water (532194-001)	Method: EPA 8015B	Prep Method: EPA 5030B

QC1255148 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	569.8	ND	500.0	ug/L	114%		70-130	0	30	1
Surrogates										
Bromofluorobenzene (FID)	192.8		200.0	ug/L	96%		60-140			1

Type: Blank	Lab ID: QC1255149	Batch: 370666
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC1255149 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	12	05/07/25	05/07/25
Surrogates				Limits			
Bromofluorobenzene (FID)	93%		%REC	60-140		05/07/25	05/07/25

Batch QC

Type: Blank	Lab ID: QC1254869	Batch: 370583
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1254869 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	9.9	3.6	05/06/25	05/07/25
DRO C10-C28	ND		mg/Kg	9.9	3.6	05/06/25	05/07/25
ORO C28-C44	ND		mg/Kg	20	3.6	05/06/25	05/07/25
Surrogates	Limits						
n-Triacontane	104%		%REC	70-130		05/06/25	05/07/25

Type: Lab Control Sample	Lab ID: QC1254870	Batch: 370583
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1254870 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	229.6	247.5	mg/Kg	93%		76-122
Surrogates						
n-Triacontane	9.381	9.901	mg/Kg	95%		70-130

Type: Matrix Spike	Lab ID: QC1254871	Batch: 370583
Matrix (Source ID): Soil (530746-001)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1254871 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	227.5	4.277	248.0	mg/Kg	90%		62-126	0.99
Surrogates								
n-Triacontane	9.527		9.921	mg/Kg	96%		70-130	0.99

Type: Matrix Spike Duplicate	Lab ID: QC1254872	Batch: 370583
Matrix (Source ID): Soil (530746-001)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1254872 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	218.8	4.277	247.9	mg/Kg	87%		62-126	4	35	0.99
Surrogates										
n-Triacontane	8.880		9.916	mg/Kg	90%		70-130			0.99

Batch QC

Type: Blank
Matrix: Soil

Lab ID: QC1254494

Batch: 370470

QC1254494 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.0	2.0	05/05/25	05/06/25
beta-BHC	ND		ug/Kg	5.0	1.9	05/05/25	05/06/25
gamma-BHC	ND		ug/Kg	5.0	1.7	05/05/25	05/06/25
delta-BHC	ND		ug/Kg	5.0	2.4	05/05/25	05/06/25
Heptachlor	ND		ug/Kg	5.0	1.9	05/05/25	05/06/25
Aldrin	ND		ug/Kg	5.0	2.3	05/05/25	05/06/25
Heptachlor epoxide	ND		ug/Kg	5.0	2.1	05/05/25	05/06/25
Endosulfan I	ND		ug/Kg	5.0	2.2	05/05/25	05/06/25
Dieldrin	ND		ug/Kg	5.0	3.1	05/05/25	05/06/25
4,4'-DDE	ND		ug/Kg	5.0	3.2	05/05/25	05/06/25
Endrin	ND		ug/Kg	5.0	2.0	05/05/25	05/06/25
Endosulfan II	ND		ug/Kg	5.0	2.0	05/05/25	05/06/25
Endosulfan sulfate	ND		ug/Kg	5.0	3.2	05/05/25	05/06/25
4,4'-DDD	ND		ug/Kg	5.0	1.6	05/05/25	05/06/25
Endrin aldehyde	ND		ug/Kg	5.0	3.6	05/05/25	05/06/25
Endrin ketone	ND		ug/Kg	5.0	2.1	05/05/25	05/06/25
4,4'-DDT	ND		ug/Kg	5.0	2.0	05/05/25	05/06/25
Methoxychlor	ND		ug/Kg	10	3.8	05/05/25	05/06/25
Toxaphene	ND		ug/Kg	100	87	05/05/25	05/06/25
Chlordane (Technical)	ND		ug/Kg	50	39	05/05/25	05/06/25
Surrogates				Limits			
TCMX	62%		%REC	23-120		05/05/25	05/06/25
Decachlorobiphenyl	85%		%REC	24-120		05/05/25	05/06/25
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	50	24	05/05/25	05/06/25
Aroclor-1221	ND		ug/Kg	50	24	05/05/25	05/06/25
Aroclor-1232	ND		ug/Kg	50	20	05/05/25	05/06/25
Aroclor-1242	ND		ug/Kg	50	26	05/05/25	05/06/25
Aroclor-1248	ND		ug/Kg	50	35	05/05/25	05/06/25
Aroclor-1254	ND		ug/Kg	50	37	05/05/25	05/06/25
Aroclor-1260	ND		ug/Kg	50	27	05/05/25	05/06/25
Aroclor-1262	ND		ug/Kg	50	25	05/05/25	05/06/25
Aroclor-1268	ND		ug/Kg	50	31	05/05/25	05/06/25
Total PCBs	ND		ug/Kg	50		05/05/25	05/06/25
Surrogates				Limits			
Decachlorobiphenyl (PCB)	87%		%REC	19-121		05/05/25	05/06/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1254495	Batch: 370470
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546

QC1254495 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	33.09	50.00	ug/Kg	66%		22-129
beta-BHC	38.67	50.00	ug/Kg	77%		28-125
gamma-BHC	35.46	50.00	ug/Kg	71%		22-128
delta-BHC	40.29	50.00	ug/Kg	81%		24-131
Heptachlor	32.38	50.00	ug/Kg	65%		18-124
Aldrin	30.30	50.00	ug/Kg	61%		23-120
Heptachlor epoxide	36.49	50.00	ug/Kg	73%		26-120
Endosulfan I	39.63	50.00	ug/Kg	79%		25-126
Dieldrin	41.82	50.00	ug/Kg	84%		23-124
4,4'-DDE	44.51	50.00	ug/Kg	89%		28-121
Endrin	47.33	50.00	ug/Kg	95%		25-127
Endosulfan II	47.53	50.00	ug/Kg	95%		29-121
Endosulfan sulfate	46.95	50.00	ug/Kg	94%		30-121
4,4'-DDD	43.95	50.00	ug/Kg	88%		26-120
Endrin aldehyde	37.89	50.00	ug/Kg	76%		10-120
Endrin ketone	49.12	50.00	ug/Kg	98%		28-125
4,4'-DDT	49.05	50.00	ug/Kg	98%		22-125
Methoxychlor	51.63	50.00	ug/Kg	103%	#	28-130
Surrogates						
TCMX	31.15	50.00	ug/Kg	62%		23-120
Decachlorobiphenyl	43.18	50.00	ug/Kg	86%		24-120

Batch QC

Type: Matrix Spike	Lab ID: QC1254567	Batch: 370470
Matrix (Source ID): Soil (532165-029)	Method: EPA 8081A	Prep Method: EPA 3546

QC1254567 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	45.99	ND	50.51	ug/Kg	91%		46-120	1
beta-BHC	38.39	ND	50.51	ug/Kg	76%		41-120	1
gamma-BHC	46.86	ND	50.51	ug/Kg	93%		41-120	1
delta-BHC	41.68	ND	50.51	ug/Kg	83%		38-123	1
Heptachlor	40.64	ND	50.51	ug/Kg	80%		39-120	1
Aldrin	43.28	ND	50.51	ug/Kg	86%		34-120	1
Heptachlor epoxide	39.40	ND	50.51	ug/Kg	78%		43-120	1
Endosulfan I	45.18	ND	50.51	ug/Kg	89%		45-120	1
Dieldrin	43.28	ND	50.51	ug/Kg	86%		45-120	1
4,4'-DDE	48.32	4.688	50.51	ug/Kg	86%		34-120	1
Endrin	47.02	ND	50.51	ug/Kg	93%		40-120	1
Endosulfan II	46.18	ND	50.51	ug/Kg	91%		41-120	1
Endosulfan sulfate	36.90	ND	50.51	ug/Kg	73%		42-120	1
4,4'-DDD	43.37	ND	50.51	ug/Kg	86%		41-120	1
Endrin aldehyde	32.79	ND	50.51	ug/Kg	65%		30-120	1
Endrin ketone	42.73	ND	50.51	ug/Kg	85%		45-120	1
4,4'-DDT	61.40	13.87	50.51	ug/Kg	94%		35-127	1
Methoxychlor	55.34	ND	50.51	ug/Kg	110%	#	42-136	1
Surrogates								
TCMX	44.16		50.51	ug/Kg	87%		23-120	1
Decachlorobiphenyl	28.20		50.51	ug/Kg	56%		24-120	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1254568	Batch: 370470
Matrix (Source ID): Soil (532165-029)	Method: EPA 8081A	Prep Method: EPA 3546

QC1254568 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	48.54	ND	51.02	ug/Kg	95%		46-120	4	30	1
beta-BHC	41.35	ND	51.02	ug/Kg	81%		41-120	6	30	1
gamma-BHC	64.85	ND	51.02	ug/Kg	127%	*	41-120	31*	30	1
delta-BHC	48.39	ND	51.02	ug/Kg	95%		38-123	14	30	1
Heptachlor	41.58	ND	51.02	ug/Kg	82%		39-120	1	30	1
Aldrin	46.93	ND	51.02	ug/Kg	92%		34-120	7	30	1
Heptachlor epoxide	40.82	ND	51.02	ug/Kg	80%		43-120	3	30	1
Endosulfan I	48.02	ND	51.02	ug/Kg	94%		45-120	5	30	1
Dieldrin	45.14	ND	51.02	ug/Kg	88%		45-120	3	30	1
4,4'-DDE	48.72	4.688	51.02	ug/Kg	86%		34-120	0	30	1
Endrin	49.26	ND	51.02	ug/Kg	97%		40-120	4	30	1
Endosulfan II	46.26	ND	51.02	ug/Kg	91%		41-120	1	30	1
Endosulfan sulfate	35.53	ND	51.02	ug/Kg	70%		42-120	5	30	1
4,4'-DDD	61.16	ND	51.02	ug/Kg	120%		41-120	33*	30	1
Endrin aldehyde	29.18	ND	51.02	ug/Kg	57%		30-120	13	30	1
Endrin ketone	42.36	ND	51.02	ug/Kg	83%		45-120	2	30	1
4,4'-DDT	64.02	13.87	51.02	ug/Kg	98%		35-127	3	30	1
Methoxychlor	56.50	ND	51.02	ug/Kg	111%	#	42-136	1	30	1
Surrogates										
TCMX	49.92		51.02	ug/Kg	98%		23-120			1
Decachlorobiphenyl	27.65		51.02	ug/Kg	54%		24-120			1

Type: Lab Control Sample	Lab ID: QC1254569	Batch: 370470
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1254569 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	446.8	510.2	ug/Kg	88%		14-150
Aroclor-1260	456.0	510.2	ug/Kg	89%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	44.12	51.02	ug/Kg	86%		19-121

Type: Matrix Spike	Lab ID: QC1254570	Batch: 370470
Matrix (Source ID): Soil (532290-010)	Method: EPA 8082	Prep Method: EPA 3546

QC1254570 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	514.3	ND	495.0	ug/Kg	104%		42-127	0.99
Aroclor-1260	440.8	ND	495.0	ug/Kg	89%		38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	43.80		49.50	ug/Kg	88%		19-121	0.99

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1254571	Batch: 370470
Matrix (Source ID): Soil (532290-010)	Method: EPA 8082	Prep Method: EPA 3546

QC1254571 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	559.5	ND	510.2	ug/Kg	110%		42-127	5	30	1
Aroclor-1260	475.3	ND	510.2	ug/Kg	93%		38-130	5	30	1
Surrogates										
Decachlorobiphenyl (PCB)	46.42		51.02	ug/Kg	91%		19-121			1

Type: Lab Control Sample	Lab ID: QC1254516	Batch: 370475
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1254516 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	48.87	50.00	ug/L	98%		70-135
MTBE	52.29	50.00	ug/L	105%		70-130
Benzene	48.77	50.00	ug/L	98%		70-130
Trichloroethene	44.14	50.00	ug/L	88%		70-130
Toluene	45.12	50.00	ug/L	90%		70-130
Chlorobenzene	41.71	50.00	ug/L	83%		70-130
Surrogates						
Dibromofluoromethane	48.31	50.00	ug/L	97%		70-130
1,2-Dichloroethane-d4	56.51	50.00	ug/L	113%		70-130
Toluene-d8	48.74	50.00	ug/L	97%		70-130
Bromofluorobenzene	47.90	50.00	ug/L	96%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1254517	Batch: 370475
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1254517 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	49.26	50.00	ug/L	99%		70-135	1	30
MTBE	50.71	50.00	ug/L	101%		70-130	3	30
Benzene	48.40	50.00	ug/L	97%		70-130	1	30
Trichloroethene	41.82	50.00	ug/L	84%		70-130	5	30
Toluene	44.04	50.00	ug/L	88%		70-130	2	30
Chlorobenzene	41.45	50.00	ug/L	83%		70-130	1	30
Surrogates								
Dibromofluoromethane	48.61	50.00	ug/L	97%		70-130		
1,2-Dichloroethane-d4	56.95	50.00	ug/L	114%		70-130		
Toluene-d8	47.16	50.00	ug/L	94%		70-130		
Bromofluorobenzene	51.83	50.00	ug/L	104%		70-130		

Batch QC

Type: Blank	Lab ID: QC1254520	Batch: 370475
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1254520 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.6	05/05/25	05/05/25
Freon 12	ND		ug/L	5.0	0.3	05/05/25	05/05/25
Chloromethane	ND		ug/L	5.0	0.4	05/05/25	05/05/25
Vinyl Chloride	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Bromomethane	ND		ug/L	5.0	0.8	05/05/25	05/05/25
Chloroethane	ND		ug/L	5.0	0.2	05/05/25	05/05/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Acetone	ND		ug/L	100	17	05/05/25	05/05/25
Freon 113	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Methylene Chloride	ND		ug/L	5.0	3.5	05/05/25	05/05/25
MTBE	ND		ug/L	5.0	0.1	05/05/25	05/05/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	05/05/25	05/05/25
2-Butanone	ND		ug/L	100	2.0	05/05/25	05/05/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	05/05/25	05/05/25
Chloroform	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Bromochloromethane	ND		ug/L	5.0	0.2	05/05/25	05/05/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	05/05/25	05/05/25
Benzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Trichloroethene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Bromodichloromethane	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Dibromomethane	ND		ug/L	5.0	0.2	05/05/25	05/05/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	05/05/25	05/05/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Toluene	ND		ug/L	5.0	0.2	05/05/25	05/05/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	05/05/25	05/05/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	05/05/25	05/05/25
Tetrachloroethene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Dibromochloromethane	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	05/05/25	05/05/25
Chlorobenzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	05/05/25	05/05/25
Ethylbenzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
m,p-Xylenes	ND		ug/L	10	0.2	05/05/25	05/05/25
o-Xylene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Styrene	ND		ug/L	5.0	0.08	05/05/25	05/05/25
Bromoform	ND		ug/L	5.0	0.2	05/05/25	05/05/25
Isopropylbenzene	ND		ug/L	5.0	0.09	05/05/25	05/05/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	05/05/25	05/05/25

Batch QC

QC1254520 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
Bromobenzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	05/05/25	05/05/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	05/05/25	05/05/25
n-Butylbenzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	05/05/25	05/05/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	05/05/25	05/05/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	05/05/25	05/05/25
Naphthalene	ND		ug/L	5.0	0.3	05/05/25	05/05/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	05/05/25	05/05/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	05/05/25	05/05/25
Xylene (total)	ND		ug/L	5.0		05/05/25	05/05/25
Surrogates				Limits			
Dibromofluoromethane	100%		%REC	70-130		05/05/25	05/05/25
1,2-Dichloroethane-d4	119%		%REC	70-130		05/05/25	05/05/25
Toluene-d8	95%		%REC	70-130		05/05/25	05/05/25
Bromofluorobenzene	93%		%REC	70-130		05/05/25	05/05/25

Type: Matrix Spike	Lab ID: QC1254521	Batch: 370475
Matrix (Source ID): Water (532306-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1254521 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	785.2	ND	1000	ug/L	79%		70-130	50
MTBE	895.4	ND	1000	ug/L	90%		75-130	50
Benzene	806.5	ND	1000	ug/L	81%		70-130	50
Trichloroethene	701.5	ND	1000	ug/L	70%		63-130	50
Toluene	737.5	ND	1000	ug/L	74%		70-130	50
Chlorobenzene	720.4	ND	1000	ug/L	72%		70-130	50
Surrogates								
Dibromofluoromethane	2,384		2500	ug/L	95%		70-130	50
1,2-Dichloroethane-d4	2,982		2500	ug/L	119%		70-130	50
Toluene-d8	2,327		2500	ug/L	93%		70-130	50
Bromofluorobenzene	2,437		2500	ug/L	97%		70-130	50

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1254522	Batch: 370475
Matrix (Source ID): Water (532306-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1254522 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	649.5	ND	1000	ug/L	65%	*	70-130	19	30	50
MTBE	747.1	ND	1000	ug/L	75%		75-130	18	30	50
Benzene	693.8	ND	1000	ug/L	69%	*	70-130	15	30	50
Trichloroethene	574.8	ND	1000	ug/L	57%	*	63-130	20	30	50
Toluene	615.0	ND	1000	ug/L	61%	*	70-130	18	30	50
Chlorobenzene	615.5	ND	1000	ug/L	62%	*	70-130	16	30	50
Surrogates										
Dibromofluoromethane	2,425		2500	ug/L	97%		70-130			50
1,2-Dichloroethane-d4	2,983		2500	ug/L	119%		70-130			50
Toluene-d8	2,282		2500	ug/L	91%		70-130			50
Bromofluorobenzene	2,490		2500	ug/L	100%		70-130			50

Type: Lab Control Sample	Lab ID: QC1254220	Batch: 370403
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1254220 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.05	50.00	ug/Kg	106%		70-131
MTBE	43.22	50.00	ug/Kg	86%		69-130
Benzene	48.09	50.00	ug/Kg	96%		70-130
Trichloroethene	45.28	50.00	ug/Kg	91%		70-130
Toluene	49.75	50.00	ug/Kg	99%		70-130
Chlorobenzene	50.12	50.00	ug/Kg	100%		70-130
Surrogates						
Dibromofluoromethane	50.84	50.00	ug/Kg	102%		70-130
1,2-Dichloroethane-d4	57.29	50.00	ug/Kg	115%		70-145
Toluene-d8	52.34	50.00	ug/Kg	105%		70-145
Bromofluorobenzene	52.77	50.00	ug/Kg	106%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1254221	Batch: 370403
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1254221 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	52.50	50.00	ug/Kg	105%		70-131	1	33
MTBE	42.65	50.00	ug/Kg	85%		69-130	1	30
Benzene	47.96	50.00	ug/Kg	96%		70-130	0	30
Trichloroethene	44.20	50.00	ug/Kg	88%		70-130	2	30
Toluene	47.58	50.00	ug/Kg	95%		70-130	4	30
Chlorobenzene	48.55	50.00	ug/Kg	97%		70-130	3	30
Surrogates								
Dibromofluoromethane	51.17	50.00	ug/Kg	102%		70-130		
1,2-Dichloroethane-d4	58.73	50.00	ug/Kg	117%		70-145		
Toluene-d8	51.53	50.00	ug/Kg	103%		70-145		
Bromofluorobenzene	52.30	50.00	ug/Kg	105%		70-145		

Batch QC

Type: Blank	Lab ID: QC1254224	Batch: 370403
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1254224 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	1.2	05/03/25	05/03/25
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.4	05/03/25	05/03/25
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.6	05/03/25	05/03/25
Freon 12	ND		ug/Kg	5.0	2.6	05/03/25	05/03/25
Chloromethane	ND		ug/Kg	5.0	3.5	05/03/25	05/03/25
Vinyl Chloride	ND		ug/Kg	5.0	3.6	05/03/25	05/03/25
Bromomethane	ND		ug/Kg	5.0	2.2	05/03/25	05/03/25
Chloroethane	ND		ug/Kg	5.0	3.8	05/03/25	05/03/25
Trichlorofluoromethane	ND		ug/Kg	5.0	3.2	05/03/25	05/03/25
Acetone	ND		ug/Kg	100	45	05/03/25	05/03/25
Freon 113	ND		ug/Kg	5.0	1.3	05/03/25	05/03/25
1,1-Dichloroethene	ND		ug/Kg	5.0	1.4	05/03/25	05/03/25
Methylene Chloride	ND		ug/Kg	5.0	4.8	05/03/25	05/03/25
MTBE	ND		ug/Kg	5.0	1.1	05/03/25	05/03/25
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.7	05/03/25	05/03/25
1,1-Dichloroethane	ND		ug/Kg	5.0	1.4	05/03/25	05/03/25
2-Butanone	ND		ug/Kg	100	7.4	05/03/25	05/03/25
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	05/03/25	05/03/25
2,2-Dichloropropane	ND		ug/Kg	5.0	0.8	05/03/25	05/03/25
Chloroform	ND		ug/Kg	5.0	0.7	05/03/25	05/03/25
Bromochloromethane	ND		ug/Kg	5.0	0.7	05/03/25	05/03/25
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.8	05/03/25	05/03/25
1,1-Dichloropropene	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25
Carbon Tetrachloride	ND		ug/Kg	5.0	0.8	05/03/25	05/03/25
1,2-Dichloroethane	ND		ug/Kg	5.0	0.7	05/03/25	05/03/25
Benzene	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25
Trichloroethene	ND		ug/Kg	5.0	0.9	05/03/25	05/03/25
1,2-Dichloropropane	ND		ug/Kg	5.0	1.2	05/03/25	05/03/25
Bromodichloromethane	ND		ug/Kg	5.0	1.2	05/03/25	05/03/25
Dibromomethane	ND		ug/Kg	5.0	1.1	05/03/25	05/03/25
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.2	05/03/25	05/03/25
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.9	05/03/25	05/03/25
Toluene	ND		ug/Kg	5.0	0.9	05/03/25	05/03/25
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.5	05/03/25	05/03/25
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	05/03/25	05/03/25
Tetrachloroethene	ND		ug/Kg	5.0	1.3	05/03/25	05/03/25
Dibromochloromethane	ND		ug/Kg	5.0	1.1	05/03/25	05/03/25
1,2-Dibromoethane	ND		ug/Kg	5.0	0.6	05/03/25	05/03/25
Chlorobenzene	ND		ug/Kg	5.0	1.1	05/03/25	05/03/25
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25
Ethylbenzene	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25
m,p-Xylenes	ND		ug/Kg	10	2.0	05/03/25	05/03/25
o-Xylene	ND		ug/Kg	5.0	0.6	05/03/25	05/03/25
Styrene	ND		ug/Kg	5.0	0.7	05/03/25	05/03/25
Bromoform	ND		ug/Kg	5.0	0.9	05/03/25	05/03/25
Isopropylbenzene	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25

Batch QC

QC1254224 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	05/03/25	05/03/25
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25
Propylbenzene	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25
Bromobenzene	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25
2-Chlorotoluene	ND		ug/Kg	5.0	0.9	05/03/25	05/03/25
4-Chlorotoluene	ND		ug/Kg	5.0	0.8	05/03/25	05/03/25
tert-Butylbenzene	ND		ug/Kg	5.0	0.9	05/03/25	05/03/25
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.8	05/03/25	05/03/25
sec-Butylbenzene	ND		ug/Kg	5.0	1.1	05/03/25	05/03/25
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.9	05/03/25	05/03/25
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.7	05/03/25	05/03/25
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.8	05/03/25	05/03/25
n-Butylbenzene	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.7	05/03/25	05/03/25
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.8	05/03/25	05/03/25
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.3	05/03/25	05/03/25
Hexachlorobutadiene	ND		ug/Kg	5.0	1.0	05/03/25	05/03/25
Naphthalene	ND		ug/Kg	5.0	1.1	05/03/25	05/03/25
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1.1	05/03/25	05/03/25
Xylene (total)	ND		ug/Kg	5.0		05/03/25	05/03/25
Surrogates	Limits						
Dibromofluoromethane	99%	%REC		70-130		05/03/25	05/03/25
1,2-Dichloroethane-d4	116%	%REC		70-145		05/03/25	05/03/25
Toluene-d8	101%	%REC		70-145		05/03/25	05/03/25
Bromofluorobenzene	104%	%REC		70-145		05/03/25	05/03/25

Batch QC

Type: Blank	Lab ID: QC1254225	Batch: 370403
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1254225 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	35	05/03/25	05/03/25
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	72	05/03/25	05/03/25
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	62	05/03/25	05/03/25
Freon 12	ND		ug/Kg	250	95	05/03/25	05/03/25
Chloromethane	ND		ug/Kg	250	110	05/03/25	05/03/25
Vinyl Chloride	ND		ug/Kg	250	16	05/03/25	05/03/25
Bromomethane	ND		ug/Kg	250	180	05/03/25	05/03/25
Chloroethane	ND		ug/Kg	270	270	05/03/25	05/03/25
Trichlorofluoromethane	ND		ug/Kg	250	55	05/03/25	05/03/25
Acetone	ND		ug/Kg	5,000	3,600	05/03/25	05/03/25
Freon 113	ND		ug/Kg	250	30	05/03/25	05/03/25
1,1-Dichloroethene	ND		ug/Kg	250	29	05/03/25	05/03/25
Methylene Chloride	ND		ug/Kg	860	860	05/03/25	05/03/25
MTBE	ND		ug/Kg	250	91	05/03/25	05/03/25
trans-1,2-Dichloroethene	ND		ug/Kg	250	28	05/03/25	05/03/25
1,1-Dichloroethane	ND		ug/Kg	250	65	05/03/25	05/03/25
2-Butanone	ND		ug/Kg	5,000	120	05/03/25	05/03/25
cis-1,2-Dichloroethene	ND		ug/Kg	250	33	05/03/25	05/03/25
2,2-Dichloropropane	ND		ug/Kg	250	44	05/03/25	05/03/25
Chloroform	ND		ug/Kg	250	81	05/03/25	05/03/25
Bromochloromethane	ND		ug/Kg	250	83	05/03/25	05/03/25
1,1,1-Trichloroethane	ND		ug/Kg	250	62	05/03/25	05/03/25
1,1-Dichloropropene	ND		ug/Kg	250	62	05/03/25	05/03/25
Carbon Tetrachloride	ND		ug/Kg	250	64	05/03/25	05/03/25
1,2-Dichloroethane	ND		ug/Kg	250	100	05/03/25	05/03/25
Benzene	ND		ug/Kg	250	17	05/03/25	05/03/25
Trichloroethene	ND		ug/Kg	250	16	05/03/25	05/03/25
1,2-Dichloropropane	ND		ug/Kg	250	31	05/03/25	05/03/25
Bromodichloromethane	ND		ug/Kg	250	54	05/03/25	05/03/25
Dibromomethane	ND		ug/Kg	250	63	05/03/25	05/03/25
4-Methyl-2-Pentanone	ND		ug/Kg	250	110	05/03/25	05/03/25
cis-1,3-Dichloropropene	ND		ug/Kg	250	87	05/03/25	05/03/25
Toluene	ND		ug/Kg	250	45	05/03/25	05/03/25
trans-1,3-Dichloropropene	ND		ug/Kg	250	89	05/03/25	05/03/25
1,1,2-Trichloroethane	ND		ug/Kg	250	59	05/03/25	05/03/25
1,3-Dichloropropane	ND		ug/Kg	250	41	05/03/25	05/03/25
Tetrachloroethene	ND		ug/Kg	250	17	05/03/25	05/03/25
Dibromochloromethane	ND		ug/Kg	250	91	05/03/25	05/03/25
1,2-Dibromoethane	ND		ug/Kg	250	58	05/03/25	05/03/25
Chlorobenzene	ND		ug/Kg	250	57	05/03/25	05/03/25
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	67	05/03/25	05/03/25
Ethylbenzene	ND		ug/Kg	250	51	05/03/25	05/03/25
m,p-Xylenes	ND		ug/Kg	500	38	05/03/25	05/03/25
o-Xylene	ND		ug/Kg	250	45	05/03/25	05/03/25
Styrene	ND		ug/Kg	250	51	05/03/25	05/03/25
Bromoform	ND		ug/Kg	250	140	05/03/25	05/03/25
Isopropylbenzene	ND		ug/Kg	250	56	05/03/25	05/03/25

Batch QC

QC1254225 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	43	05/03/25	05/03/25
1,2,3-Trichloropropane	ND		ug/Kg	250	52	05/03/25	05/03/25
Propylbenzene	ND		ug/Kg	250	42	05/03/25	05/03/25
Bromobenzene	ND		ug/Kg	250	76	05/03/25	05/03/25
1,3,5-Trimethylbenzene	ND		ug/Kg	250	46	05/03/25	05/03/25
2-Chlorotoluene	ND		ug/Kg	250	45	05/03/25	05/03/25
4-Chlorotoluene	ND		ug/Kg	250	42	05/03/25	05/03/25
tert-Butylbenzene	ND		ug/Kg	250	52	05/03/25	05/03/25
1,2,4-Trimethylbenzene	ND		ug/Kg	250	45	05/03/25	05/03/25
sec-Butylbenzene	ND		ug/Kg	250	48	05/03/25	05/03/25
para-Isopropyl Toluene	ND		ug/Kg	250	54	05/03/25	05/03/25
1,3-Dichlorobenzene	ND		ug/Kg	250	62	05/03/25	05/03/25
1,4-Dichlorobenzene	ND		ug/Kg	250	61	05/03/25	05/03/25
n-Butylbenzene	ND		ug/Kg	250	36	05/03/25	05/03/25
1,2-Dichlorobenzene	ND		ug/Kg	250	64	05/03/25	05/03/25
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	74	05/03/25	05/03/25
1,2,4-Trichlorobenzene	ND		ug/Kg	250	51	05/03/25	05/03/25
Hexachlorobutadiene	ND		ug/Kg	250	82	05/03/25	05/03/25
Naphthalene	ND		ug/Kg	250	130	05/03/25	05/03/25
1,2,3-Trichlorobenzene	ND		ug/Kg	250	35	05/03/25	05/03/25
Xylene (total)	ND		ug/Kg	250		05/03/25	05/03/25
Surrogates	Limits						
Dibromofluoromethane	95%		%REC	70-130		05/03/25	05/03/25
1,2-Dichloroethane-d4	117%		%REC	70-145		05/03/25	05/03/25
Toluene-d8	103%		%REC	70-145		05/03/25	05/03/25
Bromofluorobenzene	104%		%REC	70-145		05/03/25	05/03/25

Type: Matrix Spike
Matrix (Source ID): Soil (532238-001)

Lab ID: QC1254240
Method: EPA 8260B

Batch: 370403
Prep Method: EPA 5030B
Basis: Dry

QC1254240 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	15.84	ND	22.80	ug/Kg	69%	*	70-141	0.98
MTBE	13.85	ND	22.80	ug/Kg	61%		59-130	0.98
Benzene	14.92	ND	22.80	ug/Kg	65%	*	70-130	0.98
Trichloroethene	14.11	ND	22.80	ug/Kg	62%	*	69-130	0.98
Toluene	15.18	ND	22.80	ug/Kg	67%	*	70-130	0.98
Chlorobenzene	15.46	ND	22.80	ug/Kg	68%	*	70-130	0.98
Surrogates								
Dibromofluoromethane	57.96		57.00	ug/Kg	102%		70-145	0.98
1,2-Dichloroethane-d4	66.80		57.00	ug/Kg	117%		70-145	0.98
Toluene-d8	58.24		57.00	ug/Kg	102%		70-145	0.98
Bromofluorobenzene	60.79		57.00	ug/Kg	107%		70-145	0.98

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1254241	Batch: 370403
Matrix (Source ID): Soil (532238-001)	Method: EPA 8260B	Prep Method: EPA 5030B
		Basis: Dry

QC1254241 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	15.66	ND	22.76	ug/Kg	69%	*	70-141	1	43	0.98
MTBE	13.80	ND	22.76	ug/Kg	61%		59-130	0	30	0.98
Benzene	14.29	ND	22.76	ug/Kg	63%	*	70-130	4	30	0.98
Trichloroethene	13.75	ND	22.76	ug/Kg	60%	*	69-130	2	30	0.98
Toluene	14.98	ND	22.76	ug/Kg	66%	*	70-130	1	30	0.98
Chlorobenzene	14.97	ND	22.76	ug/Kg	66%	*	70-130	3	30	0.98
Surrogates										
Dibromofluoromethane	57.51		56.89	ug/Kg	101%		70-145			0.98
1,2-Dichloroethane-d4	65.81		56.89	ug/Kg	116%		70-145			0.98
Toluene-d8	58.85		56.89	ug/Kg	103%		70-145			0.98
Bromofluorobenzene	60.19		56.89	ug/Kg	106%		70-145			0.98

Type: Lab Control Sample	Lab ID: QC1254761	Batch: 370552
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1254761 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.20	50.00	ug/Kg	102%		70-131
MTBE	43.02	50.00	ug/Kg	86%		69-130
Benzene	47.04	50.00	ug/Kg	94%		70-130
Trichloroethene	43.35	50.00	ug/Kg	87%		70-130
Toluene	48.89	50.00	ug/Kg	98%		70-130
Chlorobenzene	50.56	50.00	ug/Kg	101%		70-130
Surrogates						
Dibromofluoromethane	52.10	50.00	ug/Kg	104%		70-130
1,2-Dichloroethane-d4	58.67	50.00	ug/Kg	117%		70-145
Toluene-d8	51.97	50.00	ug/Kg	104%		70-145
Bromofluorobenzene	53.28	50.00	ug/Kg	107%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1254762	Batch: 370552
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1254762 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	49.07	50.00	ug/Kg	98%		70-131	4	33
MTBE	44.51	50.00	ug/Kg	89%		69-130	3	30
Benzene	44.70	50.00	ug/Kg	89%		70-130	5	30
Trichloroethene	41.70	50.00	ug/Kg	83%		70-130	4	30
Toluene	46.18	50.00	ug/Kg	92%		70-130	6	30
Chlorobenzene	47.46	50.00	ug/Kg	95%		70-130	6	30
Surrogates								
Dibromofluoromethane	52.59	50.00	ug/Kg	105%		70-130		
1,2-Dichloroethane-d4	59.56	50.00	ug/Kg	119%		70-145		
Toluene-d8	52.02	50.00	ug/Kg	104%		70-145		
Bromofluorobenzene	52.96	50.00	ug/Kg	106%		70-145		

Batch QC

Batch QC

Type: Blank	Lab ID: QC1254765	Batch: 370552
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1254765 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	1.2	05/06/25	05/06/25
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.4	05/06/25	05/06/25
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.6	05/06/25	05/06/25
Freon 12	ND		ug/Kg	5.0	2.6	05/06/25	05/06/25
Chloromethane	ND		ug/Kg	5.0	3.5	05/06/25	05/06/25
Vinyl Chloride	ND		ug/Kg	5.0	3.6	05/06/25	05/06/25
Bromomethane	ND		ug/Kg	5.0	2.2	05/06/25	05/06/25
Chloroethane	ND		ug/Kg	5.0	3.8	05/06/25	05/06/25
Trichlorofluoromethane	ND		ug/Kg	5.0	3.2	05/06/25	05/06/25
Acetone	ND		ug/Kg	100	45	05/06/25	05/06/25
Freon 113	ND		ug/Kg	5.0	1.3	05/06/25	05/06/25
1,1-Dichloroethene	ND		ug/Kg	5.0	1.4	05/06/25	05/06/25
Methylene Chloride	ND		ug/Kg	5.0	4.8	05/06/25	05/06/25
MTBE	ND		ug/Kg	5.0	1.1	05/06/25	05/06/25
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.7	05/06/25	05/06/25
1,1-Dichloroethane	ND		ug/Kg	5.0	1.4	05/06/25	05/06/25
2-Butanone	ND		ug/Kg	100	7.4	05/06/25	05/06/25
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	05/06/25	05/06/25
2,2-Dichloropropane	ND		ug/Kg	5.0	0.8	05/06/25	05/06/25
Chloroform	ND		ug/Kg	5.0	0.7	05/06/25	05/06/25
Bromochloromethane	ND		ug/Kg	5.0	0.7	05/06/25	05/06/25
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.8	05/06/25	05/06/25
1,1-Dichloropropene	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25
Carbon Tetrachloride	ND		ug/Kg	5.0	0.8	05/06/25	05/06/25
1,2-Dichloroethane	ND		ug/Kg	5.0	0.7	05/06/25	05/06/25
Benzene	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25
Trichloroethene	ND		ug/Kg	5.0	0.9	05/06/25	05/06/25
1,2-Dichloropropane	ND		ug/Kg	5.0	1.2	05/06/25	05/06/25
Bromodichloromethane	ND		ug/Kg	5.0	1.2	05/06/25	05/06/25
Dibromomethane	ND		ug/Kg	5.0	1.1	05/06/25	05/06/25
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.2	05/06/25	05/06/25
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.9	05/06/25	05/06/25
Toluene	ND		ug/Kg	5.0	0.9	05/06/25	05/06/25
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.5	05/06/25	05/06/25
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	05/06/25	05/06/25
Tetrachloroethene	ND		ug/Kg	5.0	1.3	05/06/25	05/06/25
Dibromochloromethane	ND		ug/Kg	5.0	1.1	05/06/25	05/06/25
1,2-Dibromoethane	ND		ug/Kg	5.0	0.6	05/06/25	05/06/25
Chlorobenzene	ND		ug/Kg	5.0	1.1	05/06/25	05/06/25
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25
Ethylbenzene	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25
m,p-Xylenes	ND		ug/Kg	10	2.0	05/06/25	05/06/25
o-Xylene	ND		ug/Kg	5.0	0.6	05/06/25	05/06/25
Styrene	ND		ug/Kg	5.0	0.7	05/06/25	05/06/25
Bromoform	ND		ug/Kg	5.0	0.9	05/06/25	05/06/25
Isopropylbenzene	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25

Batch QC

QC1254765 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	05/06/25	05/06/25
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25
Propylbenzene	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25
Bromobenzene	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25
2-Chlorotoluene	ND		ug/Kg	5.0	0.9	05/06/25	05/06/25
4-Chlorotoluene	ND		ug/Kg	5.0	0.8	05/06/25	05/06/25
tert-Butylbenzene	ND		ug/Kg	5.0	0.9	05/06/25	05/06/25
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.8	05/06/25	05/06/25
sec-Butylbenzene	ND		ug/Kg	5.0	1.1	05/06/25	05/06/25
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.9	05/06/25	05/06/25
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.7	05/06/25	05/06/25
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.8	05/06/25	05/06/25
n-Butylbenzene	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.7	05/06/25	05/06/25
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.8	05/06/25	05/06/25
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.3	05/06/25	05/06/25
Hexachlorobutadiene	ND		ug/Kg	5.0	1.0	05/06/25	05/06/25
Naphthalene	ND		ug/Kg	5.0	1.1	05/06/25	05/06/25
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1.1	05/06/25	05/06/25
Xylene (total)	ND		ug/Kg	5.0		05/06/25	05/06/25
Surrogates	Limits						
Dibromofluoromethane	98%	%REC		70-130		05/06/25	05/06/25
1,2-Dichloroethane-d4	117%	%REC		70-145		05/06/25	05/06/25
Toluene-d8	103%	%REC		70-145		05/06/25	05/06/25
Bromofluorobenzene	105%	%REC		70-145		05/06/25	05/06/25

Batch QC

Type: Blank	Lab ID: QC1254766	Batch: 370552
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1254766 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	35	05/06/25	05/06/25
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	72	05/06/25	05/06/25
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	62	05/06/25	05/06/25
Freon 12	ND		ug/Kg	250	95	05/06/25	05/06/25
Chloromethane	ND		ug/Kg	250	110	05/06/25	05/06/25
Vinyl Chloride	ND		ug/Kg	250	16	05/06/25	05/06/25
Bromomethane	ND		ug/Kg	250	180	05/06/25	05/06/25
Chloroethane	ND		ug/Kg	270	270	05/06/25	05/06/25
Trichlorofluoromethane	ND		ug/Kg	250	55	05/06/25	05/06/25
Acetone	ND		ug/Kg	5,000	3,600	05/06/25	05/06/25
Freon 113	ND		ug/Kg	250	30	05/06/25	05/06/25
1,1-Dichloroethene	ND		ug/Kg	250	29	05/06/25	05/06/25
Methylene Chloride	ND		ug/Kg	860	860	05/06/25	05/06/25
MTBE	ND		ug/Kg	250	91	05/06/25	05/06/25
trans-1,2-Dichloroethene	ND		ug/Kg	250	28	05/06/25	05/06/25
1,1-Dichloroethane	ND		ug/Kg	250	65	05/06/25	05/06/25
2-Butanone	ND		ug/Kg	5,000	120	05/06/25	05/06/25
cis-1,2-Dichloroethene	ND		ug/Kg	250	33	05/06/25	05/06/25
2,2-Dichloropropane	ND		ug/Kg	250	44	05/06/25	05/06/25
Chloroform	ND		ug/Kg	250	81	05/06/25	05/06/25
Bromochloromethane	ND		ug/Kg	250	83	05/06/25	05/06/25
1,1,1-Trichloroethane	ND		ug/Kg	250	62	05/06/25	05/06/25
1,1-Dichloropropene	ND		ug/Kg	250	62	05/06/25	05/06/25
Carbon Tetrachloride	ND		ug/Kg	250	64	05/06/25	05/06/25
1,2-Dichloroethane	ND		ug/Kg	250	100	05/06/25	05/06/25
Benzene	ND		ug/Kg	250	17	05/06/25	05/06/25
Trichloroethene	ND		ug/Kg	250	16	05/06/25	05/06/25
1,2-Dichloropropane	ND		ug/Kg	250	31	05/06/25	05/06/25
Bromodichloromethane	ND		ug/Kg	250	54	05/06/25	05/06/25
Dibromomethane	ND		ug/Kg	250	63	05/06/25	05/06/25
4-Methyl-2-Pentanone	ND		ug/Kg	250	110	05/06/25	05/06/25
cis-1,3-Dichloropropene	ND		ug/Kg	250	87	05/06/25	05/06/25
Toluene	ND		ug/Kg	250	45	05/06/25	05/06/25
trans-1,3-Dichloropropene	ND		ug/Kg	250	89	05/06/25	05/06/25
1,1,2-Trichloroethane	ND		ug/Kg	250	59	05/06/25	05/06/25
1,3-Dichloropropane	ND		ug/Kg	250	41	05/06/25	05/06/25
Tetrachloroethene	ND		ug/Kg	250	17	05/06/25	05/06/25
Dibromochloromethane	ND		ug/Kg	250	91	05/06/25	05/06/25
1,2-Dibromoethane	ND		ug/Kg	250	58	05/06/25	05/06/25
Chlorobenzene	ND		ug/Kg	250	57	05/06/25	05/06/25
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	67	05/06/25	05/06/25
Ethylbenzene	ND		ug/Kg	250	51	05/06/25	05/06/25
m,p-Xylenes	ND		ug/Kg	500	38	05/06/25	05/06/25
o-Xylene	ND		ug/Kg	250	45	05/06/25	05/06/25
Styrene	ND		ug/Kg	250	51	05/06/25	05/06/25
Bromoform	ND		ug/Kg	250	140	05/06/25	05/06/25
Isopropylbenzene	ND		ug/Kg	250	56	05/06/25	05/06/25

Batch QC

QC1254766 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	43	05/06/25	05/06/25
1,2,3-Trichloropropane	ND		ug/Kg	250	52	05/06/25	05/06/25
Propylbenzene	ND		ug/Kg	250	42	05/06/25	05/06/25
Bromobenzene	ND		ug/Kg	250	76	05/06/25	05/06/25
1,3,5-Trimethylbenzene	ND		ug/Kg	250	46	05/06/25	05/06/25
2-Chlorotoluene	ND		ug/Kg	250	45	05/06/25	05/06/25
4-Chlorotoluene	ND		ug/Kg	250	42	05/06/25	05/06/25
tert-Butylbenzene	ND		ug/Kg	250	52	05/06/25	05/06/25
1,2,4-Trimethylbenzene	ND		ug/Kg	250	45	05/06/25	05/06/25
sec-Butylbenzene	ND		ug/Kg	250	48	05/06/25	05/06/25
para-Isopropyl Toluene	ND		ug/Kg	250	54	05/06/25	05/06/25
1,3-Dichlorobenzene	ND		ug/Kg	250	62	05/06/25	05/06/25
1,4-Dichlorobenzene	ND		ug/Kg	250	61	05/06/25	05/06/25
n-Butylbenzene	ND		ug/Kg	250	36	05/06/25	05/06/25
1,2-Dichlorobenzene	ND		ug/Kg	250	64	05/06/25	05/06/25
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	74	05/06/25	05/06/25
1,2,4-Trichlorobenzene	ND		ug/Kg	250	51	05/06/25	05/06/25
Hexachlorobutadiene	ND		ug/Kg	250	82	05/06/25	05/06/25
Naphthalene	ND		ug/Kg	250	130	05/06/25	05/06/25
1,2,3-Trichlorobenzene	ND		ug/Kg	250	35	05/06/25	05/06/25
Xylene (total)	ND		ug/Kg	250		05/06/25	05/06/25
Surrogates	Limits						
Dibromofluoromethane	95%		%REC	70-130		05/06/25	05/06/25
1,2-Dichloroethane-d4	120%		%REC	70-145		05/06/25	05/06/25
Toluene-d8	103%		%REC	70-145		05/06/25	05/06/25
Bromofluorobenzene	104%		%REC	70-145		05/06/25	05/06/25

Type: Matrix Spike	Lab ID: QC1254862	Batch: 370552
Matrix (Source ID): Soil (532287-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1254862 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	16.96	ND	20.33	ug/Kg	83%		70-141	1
MTBE	15.77	ND	20.33	ug/Kg	78%		59-130	1
Benzene	15.40	ND	20.33	ug/Kg	76%		70-130	1
Trichloroethene	14.05	ND	20.33	ug/Kg	69%		69-130	1
Toluene	15.59	ND	20.33	ug/Kg	77%		70-130	1
Chlorobenzene	16.41	ND	20.33	ug/Kg	81%		70-130	1
Surrogates								
Dibromofluoromethane	52.39		50.81	ug/Kg	103%		70-145	1
1,2-Dichloroethane-d4	61.78		50.81	ug/Kg	122%		70-145	1
Toluene-d8	51.86		50.81	ug/Kg	102%		70-145	1
Bromofluorobenzene	53.85		50.81	ug/Kg	106%		70-145	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1254863	Batch: 370552
Matrix (Source ID): Soil (532287-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1254863 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	11.97	ND	20.08	ug/Kg	60%	*	70-141	33	43	1
MTBE	11.71	ND	20.08	ug/Kg	58%	*	59-130	28	30	1
Benzene	10.59	ND	20.08	ug/Kg	53%	*	70-130	36*	30	1
Trichloroethene	9.376	ND	20.08	ug/Kg	47%	*	69-130	39*	30	1
Toluene	10.95	ND	20.08	ug/Kg	55%	*	70-130	34*	30	1
Chlorobenzene	11.25	ND	20.08	ug/Kg	56%	*	70-130	36*	30	1
Surrogates										
Dibromofluoromethane	53.15		50.20	ug/Kg	106%		70-145			1
1,2-Dichloroethane-d4	62.71		50.20	ug/Kg	125%		70-145			1
Toluene-d8	51.32		50.20	ug/Kg	102%		70-145			1
Bromofluorobenzene	52.97		50.20	ug/Kg	106%		70-145			1

Type: Blank	Lab ID: QC1254436	Batch: 370458
Matrix: Soil	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1254436 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	1.1	05/05/25	05/06/25
2-Methylnaphthalene	ND		ug/Kg	10	1.4	05/05/25	05/06/25
Naphthalene	ND		ug/Kg	10	1.6	05/05/25	05/06/25
Acenaphthylene	ND		ug/Kg	10	1.1	05/05/25	05/06/25
Acenaphthene	ND		ug/Kg	10	0.76	05/05/25	05/06/25
Fluorene	ND		ug/Kg	10	0.85	05/05/25	05/06/25
Phenanthrene	ND		ug/Kg	10	1.7	05/05/25	05/06/25
Anthracene	ND		ug/Kg	10	1.0	05/05/25	05/06/25
Fluoranthene	ND		ug/Kg	10	1.5	05/05/25	05/06/25
Pyrene	ND		ug/Kg	10	3.3	05/05/25	05/06/25
Benzo(a)anthracene	ND		ug/Kg	10	0.79	05/05/25	05/06/25
Chrysene	ND		ug/Kg	10	0.66	05/05/25	05/06/25
Benzo(b)fluoranthene	ND		ug/Kg	10	0.88	05/05/25	05/06/25
Benzo(k)fluoranthene	ND		ug/Kg	10	1.3	05/05/25	05/06/25
Benzo(a)pyrene	ND		ug/Kg	10	1.5	05/05/25	05/06/25
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	0.97	05/05/25	05/06/25
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.0	05/05/25	05/06/25
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.3	05/05/25	05/06/25
Surrogates				Limits			
Nitrobenzene-d5	69%		%REC	27-125		05/05/25	05/06/25
2-Fluorobiphenyl	72%		%REC	30-120		05/05/25	05/06/25
Terphenyl-d14	86%		%REC	33-155		05/05/25	05/06/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1254437	Batch: 370458
Matrix: Soil	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1254437 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	153.4	202.0	ug/Kg	76%		28-130
2-Methylnaphthalene	149.4	202.0	ug/Kg	74%		33-130
Naphthalene	136.8	202.0	ug/Kg	68%		25-130
Acenaphthylene	162.5	202.0	ug/Kg	80%		28-130
Acenaphthene	132.5	202.0	ug/Kg	66%		32-130
Fluorene	146.7	202.0	ug/Kg	73%		35-130
Phenanthrene	135.3	202.0	ug/Kg	67%		35-132
Anthracene	145.9	202.0	ug/Kg	72%		34-136
Fluoranthene	148.2	202.0	ug/Kg	73%		34-139
Pyrene	146.9	202.0	ug/Kg	73%		35-134
Benzo(a)anthracene	154.4	202.0	ug/Kg	76%		30-132
Chrysene	139.3	202.0	ug/Kg	69%		29-130
Benzo(b)fluoranthene	138.4	202.0	ug/Kg	69%		32-137
Benzo(k)fluoranthene	139.3	202.0	ug/Kg	69%		32-130
Benzo(a)pyrene	137.0	202.0	ug/Kg	68%		10-138
Indeno(1,2,3-cd)pyrene	150.6	202.0	ug/Kg	75%		34-132
Dibenz(a,h)anthracene	147.9	202.0	ug/Kg	73%		32-130
Benzo(g,h,i)perylene	138.1	202.0	ug/Kg	68%		27-130
Surrogates						
Nitrobenzene-d5	148.8	202.0	ug/Kg	74%		27-125
2-Fluorobiphenyl	145.7	202.0	ug/Kg	72%		30-120
Terphenyl-d14	173.5	202.0	ug/Kg	86%		33-155

Batch QC

Type: Matrix Spike	Lab ID: QC1254438	Batch: 370458
Matrix (Source ID): Soil (532249-001)	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1254438 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	123.2	ND	199.0	ug/Kg	62%		25-130	20
2-Methylnaphthalene	113.3	ND	199.0	ug/Kg	57%		32-133	20
Naphthalene	98.50	ND	199.0	ug/Kg	49%		33-130	20
Acenaphthylene	119.5	ND	199.0	ug/Kg	60%		14-157	20
Acenaphthene	95.99	ND	199.0	ug/Kg	48%		28-134	20
Fluorene	106.6	ND	199.0	ug/Kg	54%		27-140	20
Phenanthrene	124.8	ND	199.0	ug/Kg	63%		29-147	20
Anthracene	113.5	25.76	199.0	ug/Kg	44%		24-156	20
Fluoranthene	98.23	ND	199.0	ug/Kg	49%		28-160	20
Pyrene	100.5	ND	199.0	ug/Kg	51%		26-153	20
Benzo(a)anthracene	98.33	ND	199.0	ug/Kg	49%		26-174	20
Chrysene	92.57	ND	199.0	ug/Kg	47%		40-139	20
Benzo(b)fluoranthene	84.08	ND	199.0	ug/Kg	42%		36-164	20
Benzo(k)fluoranthene	85.77	ND	199.0	ug/Kg	43%		36-161	20
Benzo(a)pyrene	82.94	ND	199.0	ug/Kg	42%		18-173	20
Indeno(1,2,3-cd)pyrene	76.57	ND	199.0	ug/Kg	38%		26-154	20
Dibenz(a,h)anthracene	75.99	ND	199.0	ug/Kg	38%		38-132	20
Benzo(g,h,i)perylene	75.44	ND	199.0	ug/Kg	38%		36-130	20
Surrogates								
Nitrobenzene-d5	88.22		199.0	ug/Kg	44%		27-125	20
2-Fluorobiphenyl	102.2		199.0	ug/Kg	51%		30-120	20
Terphenyl-d14	105.7		199.0	ug/Kg	53%		33-155	20

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1254439	Batch: 370458
Matrix (Source ID): Soil (532249-001)	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1254439 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	148.0	ND	201.0	ug/Kg	74%		25-130	17	35	20
2-Methylnaphthalene	134.0	ND	201.0	ug/Kg	67%		32-133	16	35	20
Naphthalene	119.4	ND	201.0	ug/Kg	59%		33-130	18	35	20
Acenaphthylene	142.7	ND	201.0	ug/Kg	71%		14-157	17	35	20
Acenaphthene	114.1	ND	201.0	ug/Kg	57%		28-134	16	35	20
Fluorene	127.1	ND	201.0	ug/Kg	63%		27-140	17	35	20
Phenanthrene	143.9	ND	201.0	ug/Kg	72%		29-147	13	35	20
Anthracene	135.5	25.76	201.0	ug/Kg	55%		24-156	17	35	20
Fluoranthene	119.1	ND	201.0	ug/Kg	59%		28-160	18	35	20
Pyrene	121.6	ND	201.0	ug/Kg	61%		26-153	18	35	20
Benzo(a)anthracene	122.2	ND	201.0	ug/Kg	61%		26-174	21	35	20
Chrysene	116.7	ND	201.0	ug/Kg	58%		40-139	22	35	20
Benzo(b)fluoranthene	101.1	ND	201.0	ug/Kg	50%		36-164	17	35	20
Benzo(k)fluoranthene	105.3	ND	201.0	ug/Kg	52%		36-161	19	35	20
Benzo(a)pyrene	95.55	ND	201.0	ug/Kg	48%		18-173	13	35	20
Indeno(1,2,3-cd)pyrene	98.78	ND	201.0	ug/Kg	49%		26-154	24	35	20
Dibenz(a,h)anthracene	97.05	ND	201.0	ug/Kg	48%		38-132	23	35	20
Benzo(g,h,i)perylene	96.59	ND	201.0	ug/Kg	48%		36-130	24	35	20
Surrogates										
Nitrobenzene-d5	106.1		201.0	ug/Kg	53%		27-125			20
2-Fluorobiphenyl	121.2		201.0	ug/Kg	60%		30-120			20
Terphenyl-d14	125.9		201.0	ug/Kg	63%		33-155			20

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 532165

Subcontracted Products

MicroTest Laboratories, Inc.



MicroTest Laboratories Inc. NVLAP Code: 200999-0
3110 Gold Canal Dr. Ste. A. Rancho Cordova, CA 95670
PH 916.567.9808 | FX 916.404.0302
www.microtestlabsinc.com | service@microtestlabsinc.com

Project ID
MT012562455

CLIENT INFORMATION

Company Enthalpy Analytical, LLC
Name Patty Matta
Address 931 W. Barkley Avenue
Orange, CA 92868
Phone (714) 771 - 6900
Email patty.mata@enthalpy.com

SAMPLE

Date Thursday, May 01, 2025
Time

MicroTest
Laboratories

Test Report

JOB SITE INFORMATION

Sampler Patty Mata
Project EO-532165
Address

POLARIZED LIGHT MICROSCOPY (PLM)

EPA METHOD 600 / R-93 / 116 & EPA – 40 CFR Appendix E to Subpart E of Part 763

Client Sample ID	Laboratory Sample ID	Client Description	Laboratory Description	Non Fibrous / Fibrous Materials	Asbestiform Minerals %
COMP-11	62455-1	01-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
COMP-12	62455-2	01-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
DUP01- 050125	62455-3	01-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
COMP-13	62455-4	01-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
COMP-14	62455-5	01-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
COMP-15	62455-6	01-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
COMP-16	62455-7	01-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
COMP-17	62455-8	01-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent

Date Received: Tuesday, May 06, 2025
Date Analyzed: Wednesday, May 07, 2025
Date Reported: Thursday, May 08, 2025

Analyst: Rosey Nagra

Authorized Signatory:

Kelly Favero - Lab Manager



MicroTest Laboratories Inc. NVLAP Code: 200999-0
3110 Gold Canal Dr. Ste. A. Rancho Cordova, CA 95670
PH 916.567.9808 | FX 916.404.0302
www.microtestlabsinc.com | service@microtestlabsinc.com

Project ID
MT012562455

COMP-18	62455-9	01-MAY-2025 00:00	Brown Soil Fibrous Heterogenous	Absent
COMP-19	62455-10	01-MAY-2025 00:00	Brown Soil Fibrous Heterogenous	Absent

Date Received: Tuesday, May 06, 2025
Date Analyzed: Wednesday, May 07, 2025
Date Reported: Thursday, May 08, 2025

Analyst: Rosey Nagra

Authorized Signatory:

Kelly Favero - Lab Manager



MicroTest Laboratories Inc. NVLAP Code: 200999-0
3110 Gold Canal Dr. Ste. A. Rancho Cordova, CA 95670
PH 916.567.9808 | FX 916.404.0302
www.microtestlabsinc.com | service@microtestlabsinc.com

Project ID
MT012562455

CLIENT INFORMATION

Company Enthalpy Analytical, LLC
Name Patty Matta
Address 931 W. Barkley Avenue
Orange, CA 92868
Phone (714) 771 - 6900
Email patty.mata@enthalpy.com

SAMPLE

Date Thursday, May 01, 2025
Time

MicroTest
Laboratories

Notes and Definitions

JOB SITE INFORMATION

Sampler Patty Mata
Project EO-532165
Address

Notes and Definitions

This document serves as the final report. The results apply only to the sample as received. Due to the inherent limitations of Polarized Light Microscopy (PLM) and the complexity of certain sample matrices, some materials classified as "None Detected" (ND) for asbestos (e.g., floor tiles or similar materials) may require further analysis. MicroTest Laboratories recommends additional testing using PLM and/or Transmission Electron Microscopy (TEM) with gravimetric reduction preparation.

Soil, rock and Vermiculite matrices present analytical challenges. MicroTest recommends homogenization by milling before PLM analysis. The thermal breakdown of asbestos fibers can change their properties, causing them to exhibit different mineral characteristics. Even if altered asbestos isn't counted by the method used, OSHA and various state regulations still recognize it as asbestos. PLM analysis will determine the presence of non-altered asbestos, but fire-altered, former asbestos fibers will be reported as an "Altered" Asbestiform result. Materials commonly seen with fire-altered minerals include, but are not limited to, cementitious sidings, tiles, textures, joint compounds, and fibrous backings. Due to the potential for incomplete or partial decomposition, additional analysis by TEM is advisable.

The reporting limit for calibrated visual area estimation quantitation procedures is 1%. The reporting limits for 400-point count and 1000-point count quantitation procedures are 0.25% and 0.1%, respectively. Samples are considered acceptable unless otherwise noted. Each layer of a sample is analyzed separately unless it consists of multiple manufactured layers (e.g., linoleum, drywall) or if otherwise specified by the client.

All samples will be retained for a minimum of 30 days before disposal. Bench sheets detailing sampling methodologies can be provided upon request. This report must not be used by the client to imply product endorsement by NVLAP or any agency of the U.S. Government. This report may only be reproduced in its entirety with the written approval of MicroTest Laboratories, Inc.

Authorized Signatory:

Kelly Favero - Lab Manager

Subcontract Laboratory:

MicroTest Laboratories, Inc.
3110 Gold Canal Drive
Suite A
Rancho Cordova, CA 95670
ATTN: Kelly Favero
PO #: Required, to be sent via email

Enthalpy Order: EO-532165

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

Results Due: Rush TAT, due
5/8/25

Report Level: II
Report To: MDL
EDDs:

Project ID: 62455
Client: Enthalpy
Received Date: 05/06/25
Count: 10 TAT: 2 Day

Notes:

Need qualitative Asbestos PLM tests. Due on 5/8/25

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
COMP-11	01-MAY-2025 00:00	532165-005	1	Soil	Asbestos by PLM (P/A)	
COMP-12	01-MAY-2025 00:00	532165-011	1	Soil	Asbestos by PLM (P/A)	
DUP01-050125	01-MAY-2025 00:00	532165-012	1	Soil	Asbestos by PLM (P/A)	
COMP-13	01-MAY-2025 00:00	532165-019	1	Soil	Asbestos by PLM (P/A)	
COMP-14	01-MAY-2025 00:00	532165-023	1	Soil	Asbestos by PLM (P/A)	
COMP-15	01-MAY-2025 00:00	532165-029	1	Soil	Asbestos by PLM (P/A)	
COMP-16	01-MAY-2025 00:00	532165-035	1	Soil	Asbestos by PLM (P/A)	
COMP-17	01-MAY-2025 00:00	532165-041	1	Soil	Asbestos by PLM (P/A)	
COMP-18	01-MAY-2025 00:00	532165-047	1	Soil	Asbestos by PLM (P/A)	
COMP-19	01-MAY-2025 00:00	532165-050	1	Soil	Asbestos by PLM (P/A)	

Notes:	Relinquished By:	Received By:
	<i>Daniel</i>	<i>Richard Castro</i>
	Date: <i>5/5/25 2:16</i>	Date: <i>5/5/2025 2:16</i>
	<i>Richard Castro</i>	<i>PMC, Paige Caldwell</i>
	Date: <i>5/5/25 3:00</i>	Date: <i>5/6/25 10am MTO</i>
	Date:	Date:

Laboratory Job Number 532165

Subcontracted Products

Enthalpy - El Dorado Hills



May 09, 2025

Enthalpy Analytical - El Dorado Hills
Work Order No. 2505046

Ms. Patty Mata
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Ms. Mata,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on May 06, 2025 under your Project Name 'EO-532165'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark Rein'.

Mark Rein
Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .

Enthalpy Analytical - EDH Work Order No. 2505046

Case Narrative

Sample Condition on Receipt:

Four soil samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements. The samples were received in clear glass jars. Authorization to proceed with the analyses was received by email on 05/06/25.

Analytical Notes:

EPA Method 8290A

The samples were extracted and analyzed for tetra-through-octa chlorinated dioxins and furans by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 12

Certifications..... 13

Sample Receipt..... 14

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2505046-01	COMP-11	01-May-25 00:00	06-May-25 11:31	Clear Glass Jar, 2 oz
2505046-02	COMP-12	01-May-25 00:00	06-May-25 11:31	Clear Glass Jar, 2 oz
2505046-03	DUP01-050125	01-May-25 00:00	06-May-25 11:31	Clear Glass Jar, 2 oz
2505046-04	COMP-17	01-May-25 00:00	06-May-25 11:31	Clear Glass Jar, 2 oz

ANALYTICAL RESULTS

Sample ID: Method Blank
EPA Method 8290A

Client Data			Laboratory Data		
Name:	Enthalpy Analytical		Lab Sample:	B25E073-BLK1	
Project:	EO-532165		QC Batch:	B25E073	Date Extracted: 07-May-25
Matrix:	Solid		Sample Size:	10.0 g	Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.190	0.500		07-May-25 11:32	1
1,2,3,7,8-PeCDD	ND	0.784	2.50		07-May-25 11:32	1
1,2,3,4,7,8-HxCDD	ND	0.633	2.50		07-May-25 11:32	1
1,2,3,6,7,8-HxCDD	ND	0.640	2.50		07-May-25 11:32	1
1,2,3,7,8,9-HxCDD	ND	0.717	2.50		07-May-25 11:32	1
1,2,3,4,6,7,8-HpCDD	ND	0.706	2.50		07-May-25 11:32	1
OCDD	ND	1.62	5.00		07-May-25 11:32	1
2,3,7,8-TCDF	ND	0.183	0.500		07-May-25 11:32	1
1,2,3,7,8-PeCDF	ND	0.576	2.50		07-May-25 11:32	1
2,3,4,7,8-PeCDF	ND	0.686	2.50		07-May-25 11:32	1
1,2,3,4,7,8-HxCDF	ND	0.659	2.50		07-May-25 11:32	1
1,2,3,6,7,8-HxCDF	ND	0.621	2.50		07-May-25 11:32	1
2,3,4,6,7,8-HxCDF	ND	0.661	2.50		07-May-25 11:32	1
1,2,3,7,8,9-HxCDF	ND	0.716	2.50		07-May-25 11:32	1
1,2,3,4,6,7,8-HpCDF	ND	0.649	2.50		07-May-25 11:32	1
1,2,3,4,7,8,9-HpCDF	ND	0.818	2.50		07-May-25 11:32	1
OCDF	ND	3.84	5.00		07-May-25 11:32	1

Toxic Equivalent

TEQMinWHO2005Dioxin	0.00
---------------------	------

Totals

Total TCDD	ND	0.500
Total PeCDD	ND	2.50
Total HxCDD	ND	2.50
Total HpCDD	ND	2.50
Total TCDF	ND	0.500
Total PeCDF	ND	2.50
Total HxCDF	ND	2.50
Total HpCDF	ND	2.50

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	73.1	40 - 135		07-May-25 11:32	1
13C-1,2,3,7,8-PeCDD	IS	71.2	40 - 135		07-May-25 11:32	1
13C-1,2,3,4,7,8-HxCDD	IS	68.7	40 - 135		07-May-25 11:32	1
13C-1,2,3,6,7,8-HxCDD	IS	69.6	40 - 135		07-May-25 11:32	1
13C-1,2,3,7,8,9-HxCDD	IS	69.5	40 - 135		07-May-25 11:32	1
13C-1,2,3,4,6,7,8-HpCDD	IS	62.6	40 - 135		07-May-25 11:32	1
13C-OCDD	IS	54.7	40 - 135		07-May-25 11:32	1
13C-2,3,7,8-TCDF	IS	74.3	40 - 135		07-May-25 11:32	1
13C-1,2,3,7,8-PeCDF	IS	73.4	40 - 135		07-May-25 11:32	1
13C-2,3,4,7,8-PeCDF	IS	73.7	40 - 135		07-May-25 11:32	1
13C-1,2,3,4,7,8-HxCDF	IS	71.1	40 - 135		07-May-25 11:32	1
13C-1,2,3,6,7,8-HxCDF	IS	68.1	40 - 135		07-May-25 11:32	1
13C-2,3,4,6,7,8-HxCDF	IS	69.2	40 - 135		07-May-25 11:32	1
13C-1,2,3,7,8,9-HxCDF	IS	68.5	40 - 135		07-May-25 11:32	1
13C-1,2,3,4,6,7,8-HpCDF	IS	64.3	40 - 135		07-May-25 11:32	1
13C-1,2,3,4,7,8,9-HpCDF	IS	65.1	40 - 135		07-May-25 11:32	1
13C-OCDF	IS	56.7	40 - 135		07-May-25 11:32	1
37Cl-2,3,7,8-TCDD	CRS	97.4	40 - 135		07-May-25 11:32	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to RL.

Sample ID: OPR
EPA Method 8290A

Client Data			Laboratory Data				
Name:	Enthalpy Analytical		Lab Sample:	B25E073-BS1		Date Extracted:	07-May-25 03:57
Project:	EO-532165		QC Batch:	B25E073		Column:	ZB-DIOXIN
Matrix:	Solid		Sample Size:	10.0 g			

Analyte	Amt Found (pg/g)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	19.6	20.0	97.8	70-130		07-May-25 09:58	1
1,2,3,7,8-PeCDD	102	100	102	70-130		07-May-25 09:58	1
1,2,3,4,7,8-HxCDD	101	100	101	70-130		07-May-25 09:58	1
1,2,3,6,7,8-HxCDD	95.2	100	95.2	70-130		07-May-25 09:58	1
1,2,3,7,8,9-HxCDD	99.5	100	99.5	70-130		07-May-25 09:58	1
1,2,3,4,6,7,8-HpCDD	100	100	100	70-130		07-May-25 09:58	1
OCDD	205	200	103	70-130		07-May-25 09:58	1
2,3,7,8-TCDF	20.4	20.0	102	70-130		07-May-25 09:58	1
1,2,3,7,8-PeCDF	103	100	103	70-130		07-May-25 09:58	1
2,3,4,7,8-PeCDF	102	100	102	70-130		07-May-25 09:58	1
1,2,3,4,7,8-HxCDF	101	100	101	70-130		07-May-25 09:58	1
1,2,3,6,7,8-HxCDF	101	100	101	70-130		07-May-25 09:58	1
2,3,4,6,7,8-HxCDF	103	100	103	70-130		07-May-25 09:58	1
1,2,3,7,8,9-HxCDF	103	100	103	70-130		07-May-25 09:58	1
1,2,3,4,6,7,8-HpCDF	103	100	103	70-130		07-May-25 09:58	1
1,2,3,4,7,8,9-HpCDF	102	100	102	70-130		07-May-25 09:58	1
OCDF	209	200	105	70-130		07-May-25 09:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	64.6	40-135		07-May-25 09:58	1
13C-1,2,3,7,8-PeCDD	IS	62.8	40-135		07-May-25 09:58	1
13C-1,2,3,4,7,8-HxCDD	IS	61.7	40-135		07-May-25 09:58	1
13C-1,2,3,6,7,8-HxCDD	IS	62.4	40-135		07-May-25 09:58	1
13C-1,2,3,7,8,9-HxCDD	IS	61.7	40-135		07-May-25 09:58	1
13C-1,2,3,4,6,7,8-HpCDD	IS	55.2	40-135		07-May-25 09:58	1
13C-OCDD	IS	49.9	40-135		07-May-25 09:58	1
13C-2,3,7,8-TCDF	IS	65.0	40-135		07-May-25 09:58	1
13C-1,2,3,7,8-PeCDF	IS	62.2	40-135		07-May-25 09:58	1
13C-2,3,4,7,8-PeCDF	IS	64.0	40-135		07-May-25 09:58	1
13C-1,2,3,4,7,8-HxCDF	IS	62.1	40-135		07-May-25 09:58	1
13C-1,2,3,6,7,8-HxCDF	IS	61.0	40-135		07-May-25 09:58	1
13C-2,3,4,6,7,8-HxCDF	IS	62.5	40-135		07-May-25 09:58	1
13C-1,2,3,7,8,9-HxCDF	IS	61.2	40-135		07-May-25 09:58	1
13C-1,2,3,4,6,7,8-HpCDF	IS	55.6	40-135		07-May-25 09:58	1
13C-1,2,3,4,7,8,9-HpCDF	IS	59.8	40-135		07-May-25 09:58	1
13C-OCDF	IS	51.0	40-135		07-May-25 09:58	1
37Cl-2,3,7,8-TCDD	CRS	84.5	40-135		07-May-25 09:58	1

Sample ID: COMP-11
EPA Method 8290A

Client Data		Laboratory Data				
Name:	Enthalpy Analytical	Lab Sample:	2505046-01	Date Received:	06-May-25 11:31	
Project:	EO-532165	QC Batch:	B25E073	Date Extracted:	07-May-25	
Matrix:	Soil	Sample Size:	10.4 g	Column:	ZB-DIOXIN	
Date Collected:	01-May-25 00:00	% Solids:	96.6			
Analyte	Conc. (pg/g)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.189	0.498		07-May-25 12:20	1
1,2,3,7,8-PeCDD	ND	0.781	2.49		07-May-25 12:20	1
1,2,3,4,7,8-HxCDD	ND	0.630	2.49		07-May-25 12:20	1
1,2,3,6,7,8-HxCDD	ND	0.637	2.49		07-May-25 12:20	1
1,2,3,7,8,9-HxCDD	ND	0.714	2.49		07-May-25 12:20	1
1,2,3,4,6,7,8-HpCDD	16.1	0.703	2.49		07-May-25 12:20	1
OCDD	157	1.61	4.98		07-May-25 12:20	1
2,3,7,8-TCDF	ND	0.182	0.498		07-May-25 12:20	1
1,2,3,7,8-PeCDF	ND	0.574	2.49		07-May-25 12:20	1
2,3,4,7,8-PeCDF	ND	0.683	2.49		07-May-25 12:20	1
1,2,3,4,7,8-HxCDF	ND	0.656	2.49		07-May-25 12:20	1
1,2,3,6,7,8-HxCDF	ND	0.618	2.49		07-May-25 12:20	1
2,3,4,6,7,8-HxCDF	ND	0.658	2.49		07-May-25 12:20	1
1,2,3,7,8,9-HxCDF	ND	0.713	2.49		07-May-25 12:20	1
1,2,3,4,6,7,8-HpCDF	4.54	0.646	2.49		07-May-25 12:20	1
1,2,3,4,7,8,9-HpCDF	ND	0.815	2.49		07-May-25 12:20	1
OCDF	9.99	3.82	4.98		07-May-25 12:20	1
Toxic Equivalent						
TEQMinWHO2005Dioxin	0.256					
Totals						
Total TCDD	4.04			0.498		
Total PeCDD	3.11			2.49		
Total HxCDD	5.93			2.49		
Total HpCDD	34.3			2.49		
Total TCDF	7.70			0.498		
Total PeCDF	4.68			2.49		
Total HxCDF	5.04			2.49		
Total HpCDF	10.3			2.49		
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	70.4	40 - 135		07-May-25 12:20	1
13C-1,2,3,7,8-PeCDD	IS	62.0	40 - 135		07-May-25 12:20	1
13C-1,2,3,4,7,8-HxCDD	IS	57.3	40 - 135		07-May-25 12:20	1
13C-1,2,3,6,7,8-HxCDD	IS	56.2	40 - 135		07-May-25 12:20	1
13C-1,2,3,7,8,9-HxCDD	IS	54.4	40 - 135		07-May-25 12:20	1
13C-1,2,3,4,6,7,8-HpCDD	IS	47.2	40 - 135		07-May-25 12:20	1
13C-OCDD	IS	40.1	40 - 135		07-May-25 12:20	1
13C-2,3,7,8-TCDF	IS	66.2	40 - 135		07-May-25 12:20	1
13C-1,2,3,7,8-PeCDF	IS	60.2	40 - 135		07-May-25 12:20	1
13C-2,3,4,7,8-PeCDF	IS	62.2	40 - 135		07-May-25 12:20	1
13C-1,2,3,4,7,8-HxCDF	IS	57.0	40 - 135		07-May-25 12:20	1
13C-1,2,3,6,7,8-HxCDF	IS	54.4	40 - 135		07-May-25 12:20	1
13C-2,3,4,6,7,8-HxCDF	IS	55.0	40 - 135		07-May-25 12:20	1
13C-1,2,3,7,8,9-HxCDF	IS	57.6	40 - 135		07-May-25 12:20	1
13C-1,2,3,4,6,7,8-HpCDF	IS	44.0	40 - 135		07-May-25 12:20	1
13C-1,2,3,4,7,8,9-HpCDF	IS	52.1	40 - 135		07-May-25 12:20	1
13C-OCDF	IS	41.8	40 - 135		07-May-25 12:20	1
37Cl-2,3,7,8-TCDD	CRS	101	40 - 135		07-May-25 12:20	1

MDL - Method Detection Limit
RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: COMP-12
EPA Method 8290A

Client Data		Laboratory Data				
Name:	Enthalpy Analytical	Lab Sample:	2505046-02	Date Received:	06-May-25 11:31	
Project:	EO-532165	QC Batch:	B25E073	Date Extracted:	07-May-25	
Matrix:	Soil	Sample Size:	10.4 g	Column:	ZB-DIOXIN	
Date Collected:	01-May-25 00:00	% Solids:	96.6			
Analyte	Conc. (pg/g)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.189	0.498		07-May-25 13:07	1
1,2,3,7,8-PeCDD	ND	0.780	2.49		07-May-25 13:07	1
1,2,3,4,7,8-HxCDD	ND	0.630	2.49		07-May-25 13:07	1
1,2,3,6,7,8-HxCDD	ND	0.637	2.49		07-May-25 13:07	1
1,2,3,7,8,9-HxCDD	ND	0.714	2.49		07-May-25 13:07	1
1,2,3,4,6,7,8-HpCDD	10.4	0.703	2.49		07-May-25 13:07	1
OCDD	75.5	1.61	4.98		07-May-25 13:07	1
2,3,7,8-TCDF	ND	0.182	0.498		07-May-25 13:07	1
1,2,3,7,8-PeCDF	ND	0.573	2.49		07-May-25 13:07	1
2,3,4,7,8-PeCDF	ND	0.683	2.49		07-May-25 13:07	1
1,2,3,4,7,8-HxCDF	ND	0.656	2.49		07-May-25 13:07	1
1,2,3,6,7,8-HxCDF	ND	0.618	2.49		07-May-25 13:07	1
2,3,4,6,7,8-HxCDF	ND	0.658	2.49		07-May-25 13:07	1
1,2,3,7,8,9-HxCDF	ND	0.713	2.49		07-May-25 13:07	1
1,2,3,4,6,7,8-HpCDF	2.81	0.646	2.49		07-May-25 13:07	1
1,2,3,4,7,8,9-HpCDF	ND	0.814	2.49		07-May-25 13:07	1
OCDF	ND	3.82	4.98		07-May-25 13:07	1
Toxic Equivalent						
TEQMinWHO2005Dioxin	0.155					
Totals						
Total TCDD	6.42		0.498			
Total PeCDD	ND		2.49			
Total HxCDD	6.34		2.49			
Total HpCDD	20.0		2.49			
Total TCDF	15.9		0.498			
Total PeCDF	5.07		2.49			
Total HxCDF	4.78		2.49			
Total HpCDF	6.93		2.49			
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	66.8	40 - 135		07-May-25 13:07	1
13C-1,2,3,7,8-PeCDD	IS	64.0	40 - 135		07-May-25 13:07	1
13C-1,2,3,4,7,8-HxCDD	IS	64.7	40 - 135		07-May-25 13:07	1
13C-1,2,3,6,7,8-HxCDD	IS	62.9	40 - 135		07-May-25 13:07	1
13C-1,2,3,7,8,9-HxCDD	IS	62.0	40 - 135		07-May-25 13:07	1
13C-1,2,3,4,6,7,8-HpCDD	IS	56.3	40 - 135		07-May-25 13:07	1
13C-OCDD	IS	50.5	40 - 135		07-May-25 13:07	1
13C-2,3,7,8-TCDF	IS	66.8	40 - 135		07-May-25 13:07	1
13C-1,2,3,7,8-PeCDF	IS	63.7	40 - 135		07-May-25 13:07	1
13C-2,3,4,7,8-PeCDF	IS	65.9	40 - 135		07-May-25 13:07	1
13C-1,2,3,4,7,8-HxCDF	IS	60.4	40 - 135		07-May-25 13:07	1
13C-1,2,3,6,7,8-HxCDF	IS	58.3	40 - 135		07-May-25 13:07	1
13C-2,3,4,6,7,8-HxCDF	IS	64.1	40 - 135		07-May-25 13:07	1
13C-1,2,3,7,8,9-HxCDF	IS	61.8	40 - 135		07-May-25 13:07	1
13C-1,2,3,4,6,7,8-HpCDF	IS	56.5	40 - 135		07-May-25 13:07	1
13C-1,2,3,4,7,8,9-HpCDF	IS	61.3	40 - 135		07-May-25 13:07	1
13C-OCDF	IS	53.0	40 - 135		07-May-25 13:07	1
37Cl-2,3,7,8-TCDD	CRS	90.7	40 - 135		07-May-25 13:07	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to RL.

Sample ID: DUP01-050125
EPA Method 8290A

Client Data		Laboratory Data			
Name:	Enthalpy Analytical	Lab Sample:	2505046-03	Date Received:	06-May-25 11:31
Project:	EO-532165	QC Batch:	B25E073	Date Extracted:	07-May-25
Matrix:	Soil	Sample Size:	10.8 g	Column:	ZB-DIOXIN
Date Collected:	01-May-25 00:00	% Solids:	92.8		

Analyte	Conc. (pg/g)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.189	0.499		07-May-25 13:54	1
1,2,3,7,8-PeCDD	ND	0.782	2.49		07-May-25 13:54	1
1,2,3,4,7,8-HxCDD	ND	0.631	2.49		07-May-25 13:54	1
1,2,3,6,7,8-HxCDD	ND	0.638	2.49		07-May-25 13:54	1
1,2,3,7,8,9-HxCDD	ND	0.715	2.49		07-May-25 13:54	1
1,2,3,4,6,7,8-HpCDD	14.4	0.704	2.49		07-May-25 13:54	1
OCDD	ND	1.62	4.99		07-May-25 13:54	1
2,3,7,8-TCDF	0.666	0.182	0.499		07-May-25 13:54	1
1,2,3,7,8-PeCDF	ND	0.574	2.49		07-May-25 13:54	1
2,3,4,7,8-PeCDF	ND	0.684	2.49		07-May-25 13:54	1
1,2,3,4,7,8-HxCDF	ND	0.657	2.49		07-May-25 13:54	1
1,2,3,6,7,8-HxCDF	ND	0.619	2.49		07-May-25 13:54	1
2,3,4,6,7,8-HxCDF	ND	0.659	2.49		07-May-25 13:54	1
1,2,3,7,8,9-HxCDF	ND	0.714	2.49		07-May-25 13:54	1
1,2,3,4,6,7,8-HpCDF	3.70	0.647	2.49		07-May-25 13:54	1
1,2,3,4,7,8,9-HpCDF	ND	0.816	2.49		07-May-25 13:54	1
OCDF	6.50	3.83	4.99		07-May-25 13:54	1

Toxic Equivalent

TEQMinWHO2005Dioxin	0.250
---------------------	-------

Totals

Total TCDD	10.0	0.499
Total PeCDD	ND	2.49
Total HxCDD	8.57	2.49
Total HpCDD	27.1	2.49
Total TCDF	19.6	0.499
Total PeCDF	8.09	2.49
Total HxCDF	6.23	2.49
Total HpCDF	8.53	2.49

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	62.2	40 - 135		07-May-25 13:54	1
13C-1,2,3,7,8-PeCDD	IS	58.8	40 - 135		07-May-25 13:54	1
13C-1,2,3,4,7,8-HxCDD	IS	59.9	40 - 135		07-May-25 13:54	1
13C-1,2,3,6,7,8-HxCDD	IS	59.2	40 - 135		07-May-25 13:54	1
13C-1,2,3,7,8,9-HxCDD	IS	58.2	40 - 135		07-May-25 13:54	1
13C-1,2,3,4,6,7,8-HpCDD	IS	53.5	40 - 135		07-May-25 13:54	1
13C-OCDD	IS	49.8	40 - 135		07-May-25 13:54	1
13C-2,3,7,8-TCDF	IS	63.2	40 - 135		07-May-25 13:54	1
13C-1,2,3,7,8-PeCDF	IS	59.5	40 - 135		07-May-25 13:54	1
13C-2,3,4,7,8-PeCDF	IS	61.1	40 - 135		07-May-25 13:54	1
13C-1,2,3,4,7,8-HxCDF	IS	58.6	40 - 135		07-May-25 13:54	1
13C-1,2,3,6,7,8-HxCDF	IS	57.4	40 - 135		07-May-25 13:54	1
13C-2,3,4,6,7,8-HxCDF	IS	59.4	40 - 135		07-May-25 13:54	1
13C-1,2,3,7,8,9-HxCDF	IS	57.5	40 - 135		07-May-25 13:54	1
13C-1,2,3,4,6,7,8-HpCDF	IS	54.3	40 - 135		07-May-25 13:54	1
13C-1,2,3,4,7,8,9-HpCDF	IS	56.9	40 - 135		07-May-25 13:54	1
13C-OCDF	IS	49.8	40 - 135		07-May-25 13:54	1
37Cl-2,3,7,8-TCDD	CRS	84.5	40 - 135		07-May-25 13:54	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to RL.

Sample ID: COMP-17
EPA Method 8290A

Client Data		Laboratory Data				
Name:	Enthalpy Analytical	Lab Sample:	2505046-04	Date Received:	06-May-25 11:31	
Project:	EO-532165	QC Batch:	B25E073	Date Extracted:	07-May-25	
Matrix:	Soil	Sample Size:	10.5 g	Column:	ZB-DIOXIN	
Date Collected:	01-May-25 00:00	% Solids:	96.1			
Analyte	Conc. (pg/g)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.189	0.497		07-May-25 14:41	1
1,2,3,7,8-PeCDD	ND	0.779	2.48		07-May-25 14:41	1
1,2,3,4,7,8-HxCDD	ND	0.629	2.48		07-May-25 14:41	1
1,2,3,6,7,8-HxCDD	6.27	0.636	2.48		07-May-25 14:41	1
1,2,3,7,8,9-HxCDD	3.81	0.712	2.48		07-May-25 14:41	1
1,2,3,4,6,7,8-HpCDD	279	0.701	2.48		07-May-25 14:41	1
OCDD	3020	1.61	4.97		07-May-25 14:41	1
2,3,7,8-TCDF	2.83	0.182	0.497		07-May-25 14:41	1
1,2,3,7,8-PeCDF	ND	0.572	2.48		07-May-25 14:41	1
2,3,4,7,8-PeCDF	2.89	0.681	2.48		07-May-25 14:41	1
1,2,3,4,7,8-HxCDF	6.60	0.655	2.48		07-May-25 14:41	1
1,2,3,6,7,8-HxCDF	2.82	0.617	2.48		07-May-25 14:41	1
2,3,4,6,7,8-HxCDF	ND	0.657	2.48		07-May-25 14:41	1
1,2,3,7,8,9-HxCDF	ND	0.711	2.48		07-May-25 14:41	1
1,2,3,4,6,7,8-HpCDF	55.8	0.645	2.48		07-May-25 14:41	1
1,2,3,4,7,8,9-HpCDF	3.05	0.812	2.48		07-May-25 14:41	1
OCDF	120	3.81	4.97		07-May-25 14:41	1
Toxic Equivalent						
TEQMinWHO2005Dioxin	7.42					
Totals						
Total TCDD	15.4	0.497				
Total PeCDD	7.50	2.48				
Total HxCDD	57.0	2.48				
Total HpCDD	565	2.48				
Total TCDF	27.2	0.497				
Total PeCDF	54.9	2.48				
Total HxCDF	63.4	2.48				
Total HpCDF	133	2.48				
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	69.1	40 - 135		07-May-25 14:41	1
13C-1,2,3,7,8-PeCDD	IS	63.9	40 - 135		07-May-25 14:41	1
13C-1,2,3,4,7,8-HxCDD	IS	62.0	40 - 135		07-May-25 14:41	1
13C-1,2,3,6,7,8-HxCDD	IS	60.7	40 - 135		07-May-25 14:41	1
13C-1,2,3,7,8,9-HxCDD	IS	59.1	40 - 135		07-May-25 14:41	1
13C-1,2,3,4,6,7,8-HpCDD	IS	54.2	40 - 135		07-May-25 14:41	1
13C-OCDD	IS	48.6	40 - 135		07-May-25 14:41	1
13C-2,3,7,8-TCDF	IS	70.7	40 - 135		07-May-25 14:41	1
13C-1,2,3,7,8-PeCDF	IS	65.4	40 - 135		07-May-25 14:41	1
13C-2,3,4,7,8-PeCDF	IS	68.7	40 - 135		07-May-25 14:41	1
13C-1,2,3,4,7,8-HxCDF	IS	62.1	40 - 135		07-May-25 14:41	1
13C-1,2,3,6,7,8-HxCDF	IS	59.2	40 - 135		07-May-25 14:41	1
13C-2,3,4,6,7,8-HxCDF	IS	60.9	40 - 135		07-May-25 14:41	1
13C-1,2,3,7,8,9-HxCDF	IS	62.3	40 - 135		07-May-25 14:41	1
13C-1,2,3,4,6,7,8-HpCDF	IS	53.7	40 - 135		07-May-25 14:41	1
13C-1,2,3,4,7,8,9-HpCDF	IS	59.3	40 - 135		07-May-25 14:41	1
13C-OCDF	IS	50.4	40 - 135		07-May-25 14:41	1
37Cl-2,3,7,8-TCDD	CRS	100	40 - 135		07-May-25 14:41	1

MDL - Method Detection Limit
RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.



ENTHALPY

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

Subcontract Laboratory:

Enthalpy - El Dorado Hills

1104 Windfield Way

El Dorado Hills, CA 95762

ATTN: Mark Rein

PO #: Required, to be sent via email

Enthalpy Order: EO-532165

PM: Patty Mata

Email: patty.mata@enthalpy.com

CC: incomingreports@enthalpy.com

Phone: (714) 771-6900

Results Due: RUSH, due 05/09/25

Report Level: II

Report To: MDL

EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

2505046

2.1°C

Notes:

Terraphase Marquez CES soils for rush dioxin/furan tests, due by 5/9/25.

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
COMP-11	01-MAY-2025 00:00	532165-005	1	Soil	EPA 8290 - Dioxins & Furans	
COMP-12	01-MAY-2025 00:00	532165-011	1	Soil	EPA 8290 - Dioxins & Furans	
DUP01-050125	01-MAY-2025 00:00	532165-012	1	Soil	EPA 8290 - Dioxins & Furans	
COMP-17	01-MAY-2025 00:00	532165-041	1	Soil	EPA 8290 - Dioxins & Furans	

Notes:	Relinquished By:	Received By:
	<i>Ana Holte</i>	<i>[Signature]</i>
	Date: 5-5-25 16:00	Date: 05/06/25 1131
	Date:	Date:
	Date:	Date:

CoC/Label Reconciliation Report WO# 2505046

LabNumber	CoC Sample ID	Sample Alias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2505046-01	A COMP-11	532165-005	01-May-25 00:00	Clear Glass Jar, 2 oz	Solid	
2505046-02	A COMP-12	532165-011	01-May-25 00:00	Clear Glass Jar, 2 oz	Solid	
2505046-03	A DUP01-050125	532165-012	01-May-25 00:00	Clear Glass Jar, 2 oz	Solid	
2505046-04	A COMP-17	532165-041	01-May-25 00:00	Clear Glass Jar, 2 oz	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	☒		
Sample Container(s) Custody Seals Intact?			☒
Custody Seals On Cooler Intact?			☒
Adequate Sample Volume?	☒		
Container Type Appropriate for Analysis(es)?	☒		

Comments:

A) Undelivered part missing on sample label
B) Sample received in chest provided container

C) Confirmed to proceed with incorrect bottles per email received 05/06/25. -MAR

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: WAS 05/06/25



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

enthalpy.com

Lab Job Number : 533332
Report Level : II
Report Date : 06/04/2025
Revision : 2 (See narrative)

Analytical Report *prepared for:*

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - Marquez CES, S030.076

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, ORELAP# 4197



Sample Summary

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite
#410
Irvine, CA 92612

Lab Job #: 533332
Project No: LAUSD SCHOOL
Location: Marquez CES, S030.076
Date Received: 05/16/25

Sample ID	Lab ID	Collected	Matrix
G88	533332-001	05/16/25 08:48	Soil
G89	533332-002	05/16/25 08:56	Soil
G90	533332-003	05/16/25 09:11	Soil
G91	533332-004	05/16/25 09:16	Soil
G92	533332-005	05/16/25 09:20	Soil
COMP-20	533332-006	05/16/25 00:00	Soil
G93	533332-007	05/16/25 09:32	Soil
G94	533332-008	05/16/25 09:36	Soil
G95	533332-009	05/16/25 09:41	Soil
G96	533332-010	05/16/25 09:47	Soil
G97	533332-011	05/16/25 09:52	Soil
COMP-21	533332-012	05/16/25 00:00	Soil
DUP01-250516	533332-013	05/16/25 00:00	Soil
DUP02-250516	533332-014	05/16/25 00:00	Soil
G98	533332-015	05/16/25 10:27	Soil
G99	533332-016	05/16/25 10:30	Soil
G100	533332-017	05/16/25 10:34	Soil
G101	533332-018	05/16/25 10:37	Soil
G102	533332-019	05/16/25 10:41	Soil
COMP-22	533332-020	05/16/25 00:00	Soil
G103	533332-021	05/16/25 10:51	Soil
G104	533332-022	05/16/25 10:54	Soil
G105	533332-023	05/16/25 10:57	Soil
G106	533332-024	05/16/25 11:02	Soil
G107	533332-025	05/16/25 11:06	Soil
COMP-23	533332-026	05/16/25 00:00	Soil



Sample Summary

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite
#410
Irvine, CA 92612

Lab Job #: 533332
Project No: LAUSD SCHOOL
Location: Marquez CES, S030.076
Date Received: 05/16/25

Sample ID	Lab ID	Collected	Matrix
G108	533332-027	05/16/25 11:20	Soil
G109	533332-028	05/16/25 11:24	Soil
G110	533332-029	05/16/25 11:28	Soil
G111	533332-030	05/16/25 11:32	Soil
G112	533332-031	05/16/25 11:36	Soil
COMP-24	533332-032	05/16/25 00:00	Soil
G113	533332-033	05/16/25 12:22	Soil
G114	533332-034	05/16/25 12:26	Soil
G115	533332-035	05/16/25 12:30	Soil
G116	533332-036	05/16/25 12:34	Soil
G117	533332-037	05/16/25 12:38	Soil
COMP-25	533332-038	05/16/25 00:00	Soil
TB-250516	533332-039	05/16/25 00:00	Water

Case Narrative

Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612
Clare Steedman

Lab Job Number: 533332
Project No: LAUSD SCHOOL
Location: Marquez CES,
S030.076
Date Received: 05/16/25

- This data package contains sample and QC results for seven five-point soil composites, three soil samples, and one water sample, requested for the above referenced project on 05/16/25. The samples were received cold and intact. Trip blank was also received but not listed on the COC form. Client was contacted and requested VOC tests for the trip blank.
- Revised report on 6/4/25 to include additional STLC and TCLP test results for sample G108.

TPH-Extractables by GC (EPA 8015M):

- COMP-24 (lab # 533332-032) was diluted due to the dark 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.

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

No analytical problems were encountered.

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

No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

- Lab numbers 533332-006, 533332-020, 533332-026, 533332-032, and 533332-038 were diluted due to the dark and viscous nature of the sample extracts. 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.

Pesticides (EPA 8081A):

- High RPD was observed for 4,4'-DDT in the MS/MSD of G44-DUP (lab # 533347-001); this analyte was not detected at or above the RL in the associated samples.
- No other analytical problems were encountered.

PCBs (EPA 8082):

No analytical problems were encountered.

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

- Low recoveries were observed for antimony in the MS/MSD for batch 371622; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- Low recoveries were observed for antimony in the MS/MSD of G108 (lab # 533332-027); the LCS was within limits, the associated RPD was within limits, and these low recoveries were not associated with any reported results. High recoveries were observed for lead and zinc in the MS of G108 (lab # 533332-027); the LCS was within limits. High RPD was observed for lead in the MS/MSD of G108 (lab # 533332-027).
- Nickel was detected between the MDL and the RL in the method blank for batch 371622; this analyte was detected in samples 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.

Moisture (ASTM D2216):

No analytical problems were encountered.

Leachate Preparation:

No analytical problems were encountered.

Asbestos by PLM (EPA 600/R-93-116):

MicroTest Laboratories, Inc. in Rancho Cordova, CA performed the analysis (see sublab report section for certifications). Please see the MicroTest Laboratories, Inc. case narrative.

Detection Summary

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 533332
Project No: LAUSD SCHOOL
Location: Marquez CES, S030.076
Date Received: 05/16/25

Sample ID: COMP-20

Lab ID: 533332-006

Collected: 05/16/25

Matrix: Soil

Basis: Dry

533332-006 Analyte

Method: ASTM D2216
Prep Method: METHOD

	Result	Qual	Units	RL	MDL
Moisture, Percent	2		%	1	

Method: EPA 6010B
Prep Method: EPA 3050B

Arsenic	7.0		mg/Kg	0.97	0.61
Barium	92		mg/Kg	0.97	0.31
Beryllium	0.40	J	mg/Kg	0.49	0.033
Cadmium	0.60		mg/Kg	0.49	0.11
Chromium	18		mg/Kg	0.97	0.27
Cobalt	6.2		mg/Kg	0.49	0.26
Copper	39		mg/Kg	0.97	0.70
Lead	54		mg/Kg	0.97	0.73
Molybdenum	1.6		mg/Kg	0.97	0.55
Nickel	16		mg/Kg	0.97	0.31
Vanadium	35		mg/Kg	0.97	0.16
Zinc	460		mg/Kg	4.9	2.2

Method: EPA 8270C-SIM
Prep Method: EPA 3546

Chrysene	18	J	ug/Kg	250	17
Benzo(b)fluoranthene	22	J	ug/Kg	250	22

Sample ID: G96

Lab ID: 533332-010

Collected: 05/16/25 09:47

Matrix: Soil

Basis: Dry

533332-010 Analyte

Method: ASTM D2216
Prep Method: METHOD

	Result	Qual	Units	RL	MDL
Moisture, Percent	5		%	1	

Method: EPA 8260B
Prep Method: EPA 5035

Acetone	500		ug/Kg	160	72
2-Butanone	59	J	ug/Kg	160	12
Benzene	4.3	J	ug/Kg	8.0	1.5
4-Methyl-2-Pentanone	3.0	J	ug/Kg	8.0	2.0
Toluene	3.2	J	ug/Kg	8.0	1.5
para-Isopropyl Toluene	3.5	J	ug/Kg	8.0	1.4

Detection Summary

Sample ID: COMP-21

Lab ID: 533332-012

Collected: 05/16/25

Matrix: Soil

Basis: Dry

533332-012 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	2		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	5.8		mg/Kg	1.0	0.63
Barium	79		mg/Kg	1.0	0.32
Beryllium	0.46	J	mg/Kg	0.50	0.034
Cadmium	0.43	J	mg/Kg	0.50	0.11
Chromium	19		mg/Kg	1.0	0.28
Cobalt	11		mg/Kg	0.50	0.27
Copper	25		mg/Kg	1.0	0.72
Lead	45		mg/Kg	1.0	0.75
Molybdenum	1.6		mg/Kg	1.0	0.57
Nickel	17		mg/Kg	1.0	0.31
Vanadium	39		mg/Kg	1.0	0.16
Zinc	280		mg/Kg	5.0	2.3
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	52		mg/Kg	10	3.7
ORO C28-C44	70		mg/Kg	20	3.7
Method: EPA 8270C-SIM Prep Method: EPA 3546					
1-Methylnaphthalene	8.8	J	ug/Kg	10	1.1
2-Methylnaphthalene	14		ug/Kg	10	1.4
Naphthalene	31		ug/Kg	10	1.6
Acenaphthylene	3.2	J	ug/Kg	10	1.1
Acenaphthene	0.90	J	ug/Kg	10	0.76
Fluorene	5.4	J	ug/Kg	10	0.85
Phenanthrene	39		ug/Kg	10	1.7
Anthracene	5.9	J	ug/Kg	10	1.0
Fluoranthene	14		ug/Kg	10	1.5
Pyrene	9.9	J	ug/Kg	10	3.3
Benzo(a)anthracene	2.6	J	ug/Kg	10	0.79
Chrysene	5.3	J	ug/Kg	10	0.66
Benzo(b)fluoranthene	4.0	J	ug/Kg	10	0.89
Benzo(a)pyrene	1.9	J	ug/Kg	10	1.5
Indeno(1,2,3-cd)pyrene	2.1	J	ug/Kg	10	0.98
Benzo(g,h,i)perylene	3.3	J	ug/Kg	10	1.3

Detection Summary

Sample ID: DUP01-250516

Lab ID: 533332-013

Collected: 05/16/25

Matrix: Soil

Basis: Dry

533332-013 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	2		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	8.1		mg/Kg	0.97	0.61
Barium	63		mg/Kg	0.97	0.31
Beryllium	0.38	J	mg/Kg	0.49	0.033
Cadmium	0.44	J	mg/Kg	0.49	0.11
Chromium	21		mg/Kg	0.97	0.27
Cobalt	9.3		mg/Kg	0.49	0.26
Copper	38		mg/Kg	0.97	0.70
Lead	47		mg/Kg	0.97	0.73
Molybdenum	6.6		mg/Kg	0.97	0.55
Nickel	19		mg/Kg	0.97	0.31
Vanadium	34		mg/Kg	0.97	0.16
Zinc	180		mg/Kg	4.9	2.2
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	52		mg/Kg	10	3.7
ORO C28-C44	88		mg/Kg	20	3.7
Method: EPA 8270C-SIM Prep Method: EPA 3546					
1-Methylnaphthalene	10		ug/Kg	10	1.1
2-Methylnaphthalene	15		ug/Kg	10	1.5
Naphthalene	34		ug/Kg	10	1.6
Acenaphthylene	3.1	J	ug/Kg	10	1.1
Acenaphthene	1.0	J	ug/Kg	10	0.77
Fluorene	6.3	J	ug/Kg	10	0.86
Phenanthrene	36		ug/Kg	10	1.7
Anthracene	5.1	J	ug/Kg	10	1.0
Fluoranthene	13		ug/Kg	10	1.5
Pyrene	9.7	J	ug/Kg	10	3.3
Benzo(a)anthracene	3.1	J	ug/Kg	10	0.80
Chrysene	5.5	J	ug/Kg	10	0.67
Benzo(b)fluoranthene	4.8	J	ug/Kg	10	0.89
Benzo(a)pyrene	2.5	J	ug/Kg	10	1.5
Indeno(1,2,3-cd)pyrene	2.3	J	ug/Kg	10	0.98
Benzo(g,h,i)perylene	3.7	J	ug/Kg	10	1.3

Detection Summary

Sample ID: DUP02-250516

Lab ID: 533332-014

Collected: 05/16/25

Matrix: Soil

533332-014 Analyte

Method: EPA 8260B

Prep Method: EPA 5035

	Result	Qual	Units	RL	MDL
Acetone	320		ug/Kg	160	71
2-Butanone	46	J	ug/Kg	160	12
Benzene	3.1	J	ug/Kg	7.9	1.5
4-Methyl-2-Pentanone	2.1	J	ug/Kg	7.9	1.9
Toluene	2.0	J	ug/Kg	7.9	1.4
para-Isopropyl Toluene	2.2	J	ug/Kg	7.9	1.4

Sample ID: COMP-22

Lab ID: 533332-020

Collected: 05/16/25

Matrix: Soil

Basis: Dry

533332-020 Analyte

Method: ASTM D2216

Prep Method: METHOD

	Result	Qual	Units	RL	MDL
Moisture, Percent	2		%	1	

Method: EPA 6010B

Prep Method: EPA 3050B

Arsenic	7.0		mg/Kg	1.0	0.63
Barium	79		mg/Kg	1.0	0.32
Beryllium	0.54		mg/Kg	0.50	0.034
Cadmium	0.49	J	mg/Kg	0.50	0.11
Chromium	25		mg/Kg	1.0	0.28
Cobalt	9.0		mg/Kg	0.50	0.27
Copper	44		mg/Kg	1.0	0.72
Lead	57		mg/Kg	1.0	0.75
Molybdenum	1.7		mg/Kg	1.0	0.57
Nickel	21		mg/Kg	1.0	0.31
Vanadium	43		mg/Kg	1.0	0.16
Zinc	280		mg/Kg	5.0	2.3

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	9.3	J	ug/Kg	51	5.5
2-Methylnaphthalene	11	J	ug/Kg	51	7.3
Naphthalene	19	J	ug/Kg	51	8.1
Fluorene	17	J	ug/Kg	51	4.3
Phenanthrene	21	J	ug/Kg	51	8.5
Fluoranthene	10	J	ug/Kg	51	7.3
Chrysene	5.2	J	ug/Kg	51	3.3
Benzo(b)fluoranthene	5.0	J	ug/Kg	51	4.5

Detection Summary

Sample ID: COMP-23

Lab ID: 533332-026

Collected: 05/16/25

Matrix: Soil

Basis: Dry

533332-026 Analyte

Method: ASTM D2216
Prep Method: METHOD

	Result	Qual	Units	RL	MDL
Moisture, Percent	16		%	1	

Method: EPA 6010B
Prep Method: EPA 3050B

Arsenic	10		mg/Kg	1.1	0.72
Barium	110		mg/Kg	1.1	0.36
Beryllium	0.41	J	mg/Kg	0.57	0.039
Cadmium	0.66		mg/Kg	0.57	0.13
Chromium	28		mg/Kg	1.1	0.32
Cobalt	7.4		mg/Kg	0.57	0.31
Copper	60		mg/Kg	1.1	0.82
Lead	110		mg/Kg	1.1	0.86
Molybdenum	3.3		mg/Kg	1.1	0.65
Nickel	16		mg/Kg	1.1	0.36
Silver	0.23	J	mg/Kg	0.57	0.19
Vanadium	37		mg/Kg	1.1	0.18
Zinc	330		mg/Kg	5.7	2.6

Method: EPA 7471A
Prep Method: EPA 7471A

Mercury	0.069	J	mg/Kg	0.18	0.065
---------	-------	---	-------	------	-------

Method: EPA 8270C-SIM
Prep Method: EPA 3546

Naphthalene	12	J	ug/Kg	59	9.4
Phenanthrene	23	J	ug/Kg	59	9.9
Fluoranthene	17	J	ug/Kg	59	8.5
Benzo(a)anthracene	6.9	J	ug/Kg	59	4.6
Chrysene	8.7	J	ug/Kg	59	3.9
Benzo(b)fluoranthene	12	J	ug/Kg	59	5.2
Indeno(1,2,3-cd)pyrene	6.6	J	ug/Kg	59	5.7
Benzo(g,h,i)perylene	10	J	ug/Kg	59	7.4

Sample ID: G108

Lab ID: 533332-027

Collected: 05/16/25 11:20

533332-027 Analyte

Method: ASTM D2216
Prep Method: METHOD

	Result	Qual	Units	RL	MDL	Basis	Matrix
Moisture, Percent	17		%	1			Soil

Method: EPA 6010B
Prep Method: EPA 3015A

Lead	0.027		mg/L	0.015	0.0062		TCLP Leachate
------	-------	--	------	-------	--------	--	---------------

Method: EPA 6010B
Prep Method: EPA 3050B

Lead	200		mg/Kg	1.2	0.90	Dry	Soil
------	-----	--	-------	-----	------	-----	------

Method: EPA 6010B
Prep Method: METHOD

Lead	1.3		mg/L	0.15	0.051		WET Leachate
------	-----	--	------	------	-------	--	--------------

Detection Summary

Sample ID: G109		Lab ID: 533332-028		Collected: 05/16/25 11:24		
		Matrix: Soil		Basis: Dry		
533332-028 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		14		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		120		mg/Kg	1.1	0.85
Sample ID: G110		Lab ID: 533332-029		Collected: 05/16/25 11:28		
		Matrix: Soil		Basis: Dry		
533332-029 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		11		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		110		mg/Kg	1.1	0.83
Method: EPA 8260B						
Prep Method: EPA 5035						
Acetone		280		ug/Kg	220	99
2-Butanone		25	J	ug/Kg	220	16
para-Isopropyl Toluene		10	J	ug/Kg	11	1.9
Sample ID: G111		Lab ID: 533332-030		Collected: 05/16/25 11:32		
		Matrix: Soil		Basis: Dry		
533332-030 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		15		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		100		mg/Kg	1.1	0.84
Sample ID: G112		Lab ID: 533332-031		Collected: 05/16/25 11:36		
		Matrix: Soil		Basis: Dry		
533332-031 Analyte		Result	Qual	Units	RL	MDL
Method: ASTM D2216						
Prep Method: METHOD						
Moisture, Percent		7		%	1	
Method: EPA 6010B						
Prep Method: EPA 3050B						
Lead		110		mg/Kg	1.0	0.78

Detection Summary

Sample ID: COMP-24

Lab ID: 533332-032

Collected: 05/16/25

Matrix: Soil

Basis: Dry

533332-032 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	10		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	12		mg/Kg	1.1	0.70
Barium	95		mg/Kg	1.1	0.35
Beryllium	0.47	J	mg/Kg	0.56	0.037
Cadmium	0.76		mg/Kg	0.56	0.12
Chromium	41		mg/Kg	1.1	0.31
Cobalt	7.1		mg/Kg	0.56	0.30
Copper	40		mg/Kg	1.1	0.80
Lead	130		mg/Kg	1.1	0.83
Molybdenum	2.6		mg/Kg	1.1	0.63
Nickel	18		mg/Kg	1.1	0.35
Silver	0.21	J	mg/Kg	0.56	0.19
Vanadium	43		mg/Kg	1.1	0.18
Zinc	390		mg/Kg	5.6	2.5
Method: EPA 7471A Prep Method: EPA 7471A					
Mercury	0.082	J	mg/Kg	0.17	0.062
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	56		mg/Kg	22	8.1
ORO C28-C44	160		mg/Kg	44	8.1
Method: EPA 8081A Prep Method: EPA 3546					
beta-BHC	8.8		ug/Kg	5.6	2.2
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Phenanthrene	34	J	ug/Kg	110	18
Fluoranthene	49	J	ug/Kg	110	16
Pyrene	48	J	ug/Kg	110	36
Benzo(a)anthracene	36	J	ug/Kg	110	8.6
Chrysene	41	J	ug/Kg	110	7.2
Benzo(b)fluoranthene	42	J	ug/Kg	110	9.7
Benzo(a)pyrene	27	J	ug/Kg	110	17
Indeno(1,2,3-cd)pyrene	19	J	ug/Kg	110	11
Benzo(g,h,i)perylene	20	J	ug/Kg	110	14

Detection Summary

Sample ID: COMP-25	Lab ID: 533332-038	Collected: 05/16/25
	Matrix: Soil	Basis: Dry

533332-038 Analyte	Result	Qual	Units	RL	MDL
Method: ASTM D2216 Prep Method: METHOD					
Moisture, Percent	11		%	1	
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	7.5		mg/Kg	1.1	0.68
Barium	120		mg/Kg	1.1	0.34
Beryllium	0.45	J	mg/Kg	0.54	0.036
Cadmium	0.43	J	mg/Kg	0.54	0.12
Chromium	25		mg/Kg	1.1	0.30
Cobalt	17		mg/Kg	0.54	0.29
Copper	41		mg/Kg	1.1	0.78
Lead	13		mg/Kg	1.1	0.81
Molybdenum	2.2		mg/Kg	1.1	0.61
Nickel	25		mg/Kg	1.1	0.34
Vanadium	45		mg/Kg	1.1	0.17
Zinc	120		mg/Kg	5.4	2.5
Method: EPA 7471A Prep Method: EPA 7471A					
Mercury	0.069	J	mg/Kg	0.16	0.060

Sample ID: TB-250516	Lab ID: 533332-039	Collected: 05/16/25
-----------------------------	---------------------------	----------------------------

No Detections

J Estimated value

 Login 533332 Phone 714-771-6900		Chain of Custody Record Lab No: 533332 Page: 1 of 4		Turn Around Time (rush by advanced notice only) Standard: 5 Day: 3 Day: X 2 Day: 1 Day: Custom TAT:					
		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other (lab use only)		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other					
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request		Test Instructions / Comments			
Company:	Terraphase Engineering Inc.	Name:	Marquez CES			Please email report to the following: jonathan.marshak@terraphase.com Additionally, send EDD report REPORT IN DAY WEIGHT.			
Report To:	Clare Steedman	Number:	S030.076						
Email:	clare.steedman@terraphase.com	P.O. #:							
Address:	18401 Von Karman Ave. #410,	Address:	16821 Marquez Ave,						
	Irvine, CA 91812		Pacific Palisades, CA 90272						
Phone:	949-377-2227	Global ID:							
Fax:		Sampled By:	J. CANUD						
Sample ID		Sampling Date		Sampling Time	Matrix			Container No. / Size	Pres.
1	G88	5-16-25	848	S	1-602			-	
2	G89	5-16-25	856	S	1-602			-	
3	G90	5-16-25	911	S	802	-			
4	G91	5-16-25	916	S	802	-			
5	G92	5-16-25	920	S	802	-			
6	COMP-20	-	-	-	-	-			
7	G93	5-16-25	932	S	802				
8	G94	5-16-25	936	S	802				
9	G95	5-16-25	941	S	802				
10	G96	5-16-25	947	S	802/100X				
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request		Test Instructions / Comments			
Signature		Print Name		Company / Title		Date / Time			
1 Relinquished By: <i>John Canud</i>		JULIUS MARQUEZ		73		05/16/25 1745			
1 Received By: <i>John</i>		Jesse Rivera		EA		05/16/25 1745			
2 Relinquished By:									
2 Received By:									
3 Relinquished By:									
3 Received By:									



Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Chain of Custody Record

Lab No:

Page:

2 of 4

Turn Around Time (rush by advanced notice -)

Standard:

2 Day:

5 Day:

1 Day:

3 Day:

Custom TAT:

Matrix: A = Air S = Soil/Solid

W = Water DW = Drinking Water SD = Sediment

PP = Pure Product SEA = Sea Water

SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:

1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃

4 = H₂SO₄ 5 = NaOH 6 = Other

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION				PROJECT INFORMATION				ANALYSIS REQUEST										TEST INSTRUCTIONS / COMMENTS		
Company:	Terraphase Engineering Inc.	Name:	Marquez CES	Matrix	Container No. / Size	Pres.		EPA 6010B T22 Metals	EPA 7471A - Hg	PLM - Asbestos	8270 SIM PAHs	8081A - OCPs	8082 - PCBs	EPA Method 8290 (Dioxins and Furans)	8260B/5035 - VOCs	EPA 8015 carbon chain	Moisture content	Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report		
Report To:	Clare Steedman	Number:	S030.076																	
Email:	clare.steedman@terrphase.com	P.O. #:																		
Address:	18401 Von Karman Ave. #410,	Address:	16821 Marquez Ave,																	
	Irvine, CA 91812		Pacific Palisades, CA 90272																	
Phone:	949-377-2227	Global ID:																		
Fax:		Sampled By:	J. CARINO																	
Sample ID	G97	Sampling Date	8-16-25	Sampling Time	952	Matrix	S	Container No. / Size	802	Pres.	-									SEE PAGE 1
	COMP-21		-		-		-		-		-									COMP OF 5 ANALYTES
	DUP01-250516		-		-		-		-		-									DUP OF COMP-21
	DUP02-250516		5-16-25		-		S	3-404			-									
	G98		5-16-25	1027			S	802			-									
	G99		5-16-25	1030			S	802			-									
	G100		5-16-25	1034			S	802			-									
	G101		5-16-25	1037			S	802			-									
	G102		5-16-25	1041			S	802			-									
	COMP-22		-		-		-		-		-								COMP OF 5 ANALYTES	
Signature				Print Name				Company / Title				Date / Time								
Julian Colina				JULIAN COLINA				TEI				5/16/25 1745								
Received By:				Jesse Steedman				EA				5/16/25 1745								
Relinquished By:																				
Relinquished By:																				
Relinquished By:																				
Relinquished By:																				



Enthalpy Analytical - Orange

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

Chain of Custody Record

Lab No:

Page: 3 of 4

Turn Around Time (rush by advanced notice only)

Standard:
5 Day:
1 Day:

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

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

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request										Test Instructions / Comments			
Company:	Terraphase Engineering Inc.	Name:	Marquez CES	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 6010B T22 Metals	EPA 7471A - Hg	PLM - Asbestos	8270 SIM PAHs	8081A - OCPs	8082 - PCBs	EPA Method 8290 (Dioxins and Furans)	8260B/5035 - VOCs	EPA 8015 carbon chain	Moisture content	Please email report to the following: jonathan.marshak@terrapphase.com Additionally, send EDD report	
Report To:	Clare Steedman	Number:	S030.076																		
Email:	clare.steedman@terrapphase.com	P.O. #:																			
Address:	18401 Von Karman Ave. #410, Irvine, CA 91812	Address:	16821 Marquez Ave, Pacific Palisades, CA 90272																		
Phone:	949-377-2227	Global ID:																			
Fax:		Sampled By:	J. CANO																		
1	G103	5-16-15	1051	S	302	-				X	X	X	X								
2	G104	5-16-25	1054	S	802	-															
3	G105	5-16-25	1057	S	802	-															
4	G106	5-16-25	1102	S	802	-															
5	G107	5-16-25	1106	S	802	-															
6	Comp-23	-	-	-	-	-				X	X	X	X							X COMP OF 5 ANALYSES	
7	G108	5-16-25	1120	S	402	-															
8	G109	5-16-25	1124	S	802	-														SEE PAGE 4	
9	G110	5-16-25	1128	S	802/1002	-														SEE PAGE 4	
10	G111	5-16-25	1132	S	802	-				X	X	X	X							SEE COMP-24 / 6112	
Relinquished By:				Signature: John J. Steedman				Print Name: JULIANNA CANO				Company / Title: JET				Date / Time: 05/16/25 1745					
Received By:				Signature: [Signature]				Print Name: clare Steedman				Company / Title: EA				Date / Time: 5/16/25 1745					
Relinquished By:																					
Received By:																					
Relinquished By:																					
Received By:																					



Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92668
Phone 714-771-6900

Chain of Custody Record

Lab No:

Page: 4 of 4

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

Turn Around Time (rush by advanced notice only)

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

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request								Test Instructions / Comments					
Company:	Terraphase Engineering Inc.	Name:	Marquez CES	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 6010B T22 Metals	EPA 7471A - Hg	PLM - Asbestos	8270 SIM PAHs	8081A - OCPs	8082 - PCBs	EPA Method 8290 (Dioxins and Furans)	8260B/5035 - VOCs	EPA 8015 carbon chain	Moisture content	Please email report to the following: jonathan.marshak@terrapphase.com Additionally, send EDD report	
Report To:	Clare Steedman	Number:	S030.076																		
Email:	clare.steedman@terrapphase.com	P.O. #:																			
Address:	18401 Von Karman Ave. #410,	Address:	16821 Marquez Ave,																		
	Irvine, CA 91812		Pacific Palisades, CA 90272																		
Phone:	949-377-2227	Global ID:																			
Fax:		Sampled By:	J. CANO																		
1	6112	5-16-25	1136	S	802	-				X	X	X	X								
2	Comp-24	-	-	-	-	-															
3	6113	5-16-25	1222	S	802	-															
4	6114	5-16-25	1226	S	802	-															
5	6115	5-16-25	1230	S	802	-															
6	6116	5-16-25	1234	S	802	-															
7	6117	5-16-25	1238	S	802	-															
8	Comp-25	-	-	-	-	-				X	X	X	X							Comp of 5 mg/L	
9																					
10																					

Signature		Print Name	Company / Title	Date / Time
1 Relinquished By:	John Steedman	John Steedman	TEL	05/16/25 1745
1 Received By:	for	Clare Steedman	EA	05/16/25 1745
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 5/16/25 WO# 533332 Client: TERRAPHASE

Section 2: Shipping / Custody

Are custody seals present? ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☒ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 5/16/25 By (initials) JXR

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 5.8 / 5.8 #2: 5.8 / 5.8 #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples

☒ No microbiology samples submitted (skip 3b)

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples

☒ No air samples submitted (skip 3c)

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples

	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?		X	
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X	X	
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?		X	

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.3★: water intrusion in samples -034, -036, 9 -037

4.7★: Received two trip blanks not listed on CoC

4.13★: Both vials have headspace > 6mm

☐ No additional discrepancies

Date Logged 5/16/25

By (print) NCM

(sign)

Date Labeled 5/16/25

By (print) ORANGE EA

(sign)

[External] - Follow up samples - Lab report 53332

From Jonathan Marshak <jonathan.marshak@terrphase.com>

Date Wed 5/28/2025 1:05 PM

To Patricia Mata <patty.mata@enthalpy.com>

Cc Clare Steedman <clare.steedman@terrphase.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hello Patty,

Could we please run discrete samples G108-G112 (533332-027 to 533332-031) for lead by 6010B? Our client would like to then run the sample with the highest lead concentration of those for STLC and TCLP and have those leachate results by the end of the day on 6/4. How would you recommend we proceed with these analyses?

Thanks,

Jon Marshak, PG

Senior Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

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

www.terrphase.com



This e-mail (including any attachments to it) is intended solely for the use of the individual(s) or entity named above. It may contain confidential or privileged information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately and delete the original message.

CONFIDENTIALITY NOTICE: The contents of this email message and any attachments are intended solely for the addressee(s) and may contain confidential, proprietary and/or privileged information and may be legally protected from disclosure. If you are not the intended recipient of this message or their agent, or if this message has been addressed to you in error, please immediately alert the sender by reply email and then delete this message and any attachments and the reply from your system. If you are not the intended recipient, you are hereby notified that any disclosure, use, dissemination, copying, or storage of this message or its attachments is strictly prohibited.

[External] - RE: LAUSD Marquez CES 5/16/25 soils additional results - Enthalpy Data (533332)

From Clare Steedman <clare.steedman@terrphase.com>

Date Fri 5/30/2025 12:38 PM

To Patricia Mata <patty.mata@enthalpy.com>

Cc Patricia Mata <patty.mata@enthalpy.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi Patty,

Yes, please extract G108 using both STLC and TCLP and run for lead using EPA 6010.
Thank you.

Clare Steedman, P.G.

Cell: 213.422.5850

clare.steedman@terrphase.com



From: Patty Mata <patty.mata@enthalpy.com>

Sent: Friday, May 30, 2025 11:38 AM

To: Clare Steedman <clare.steedman@terrphase.com>

Subject: LAUSD Marquez CES 5/16/25 soils additional results - Enthalpy Data (533332)

Hi Clare,

Revised report on 5/30/25 to include additional total Lead results per the 5/28/25 email request. Sample G108 had highest total Lead result so please let me know if you need STLC and/or TCLP Lead tests performed.

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 the EDD.

Please find attached the following file:

- PDF Deliverable

Email was also sent to: EDD@terrphase.com, jonathan.marshak@terrphase.com

With Regards,

Patty Mata

Project Manager

Analysis Results for 533332

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 533332
Project No: LAUSD SCHOOL
Location: Marquez CES, S030.076
Date Received: 05/16/25

Sample ID: COMP-20

Lab ID: 533332-006

Collected: 05/16/25

Matrix: Soil

Basis: Dry

533332-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	2		%	1		1	371738	05/19/25	05/19/25	CDR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	1.5	0.95	371622	05/17/25	05/18/25	KCD
Arsenic	7.0		mg/Kg	0.97	0.61	0.95	371622	05/17/25	05/18/25	KCD
Barium	92		mg/Kg	0.97	0.31	0.95	371622	05/17/25	05/18/25	KCD
Beryllium	0.40	J	mg/Kg	0.49	0.033	0.95	371622	05/17/25	05/18/25	KCD
Cadmium	0.60		mg/Kg	0.49	0.11	0.95	371622	05/17/25	05/18/25	KCD
Chromium	18		mg/Kg	0.97	0.27	0.95	371622	05/17/25	05/18/25	KCD
Cobalt	6.2		mg/Kg	0.49	0.26	0.95	371622	05/17/25	05/18/25	KCD
Copper	39		mg/Kg	0.97	0.70	0.95	371622	05/17/25	05/18/25	KCD
Lead	54		mg/Kg	0.97	0.73	0.95	371622	05/17/25	05/18/25	KCD
Molybdenum	1.6		mg/Kg	0.97	0.55	0.95	371622	05/17/25	05/18/25	KCD
Nickel	16		mg/Kg	0.97	0.31	0.95	371622	05/17/25	05/18/25	KCD
Selenium	ND		mg/Kg	2.9	1.2	0.95	371622	05/17/25	05/18/25	KCD
Silver	ND		mg/Kg	0.49	0.16	0.95	371622	05/17/25	05/18/25	KCD
Thallium	ND		mg/Kg	2.9	1.1	0.95	371622	05/17/25	05/18/25	KCD
Vanadium	35		mg/Kg	0.97	0.16	0.95	371622	05/17/25	05/18/25	KCD
Zinc	460		mg/Kg	4.9	2.2	0.95	371622	05/17/25	05/18/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.16	0.058	1.1	371628	05/17/25	05/18/25	KCD
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	250	28	25	371651	05/18/25	05/19/25	XLY
2-Methylnaphthalene	ND		ug/Kg	250	36	25	371651	05/18/25	05/19/25	XLY
Naphthalene	ND		ug/Kg	250	40	25	371651	05/18/25	05/19/25	XLY
Acenaphthylene	ND		ug/Kg	250	28	25	371651	05/18/25	05/19/25	XLY
Acenaphthene	ND		ug/Kg	250	19	25	371651	05/18/25	05/19/25	XLY
Fluorene	ND		ug/Kg	250	21	25	371651	05/18/25	05/19/25	XLY
Phenanthrene	ND		ug/Kg	250	43	25	371651	05/18/25	05/19/25	XLY
Anthracene	ND		ug/Kg	250	25	25	371651	05/18/25	05/19/25	XLY
Fluoranthene	ND		ug/Kg	250	37	25	371651	05/18/25	05/19/25	XLY
Pyrene	ND		ug/Kg	250	83	25	371651	05/18/25	05/19/25	XLY
Benzo(a)anthracene	ND		ug/Kg	250	20	25	371651	05/18/25	05/19/25	XLY
Chrysene	18	J	ug/Kg	250	17	25	371651	05/18/25	05/19/25	XLY
Benzo(b)fluoranthene	22	J	ug/Kg	250	22	25	371651	05/18/25	05/19/25	XLY
Benzo(k)fluoranthene	ND		ug/Kg	250	34	25	371651	05/18/25	05/19/25	XLY
Benzo(a)pyrene	ND		ug/Kg	250	38	25	371651	05/18/25	05/19/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	250	25	25	371651	05/18/25	05/19/25	XLY

Analysis Results for 533332

533332-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibenz(a,h)anthracene	ND		ug/Kg	250	26	25	371651	05/18/25	05/19/25	XLY
Benzo(g,h,i)perylene	ND		ug/Kg	250	32	25	371651	05/18/25	05/19/25	XLY
Surrogates			Limits							
Nitrobenzene-d5	76%		%REC	27-125		25	371651	05/18/25	05/19/25	XLY
2-Fluorobiphenyl	85%		%REC	30-120		25	371651	05/18/25	05/19/25	XLY
Terphenyl-d14	98%		%REC	33-155		25	371651	05/18/25	05/19/25	XLY

Analysis Results for 533332

Sample ID: G96

Lab ID: 533332-010

Collected: 05/16/25 09:47

Matrix: Soil

Basis: Dry

533332-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216										
Prep Method: METHOD										
Moisture, Percent	5		%	1		1	371738	05/19/25	05/19/25	CDR
Method: EPA 8260B										
Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	8.0	1.9	1.5	371761	05/20/25	05/20/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	8.0	2.3	1.5	371761	05/20/25	05/20/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	8.0	2.6	1.5	371761	05/20/25	05/20/25	ZST
Freon 12	ND		ug/Kg	8.0	4.2	1.5	371761	05/20/25	05/20/25	ZST
Chloromethane	ND		ug/Kg	8.0	5.6	1.5	371761	05/20/25	05/20/25	ZST
Vinyl Chloride	ND		ug/Kg	8.0	5.7	1.5	371761	05/20/25	05/20/25	ZST
Bromomethane	ND		ug/Kg	8.0	3.5	1.5	371761	05/20/25	05/20/25	ZST
Chloroethane	ND		ug/Kg	8.0	6.1	1.5	371761	05/20/25	05/20/25	ZST
Trichlorofluoromethane	ND		ug/Kg	8.0	5.1	1.5	371761	05/20/25	05/20/25	ZST
Acetone	500		ug/Kg	160	72	1.5	371761	05/20/25	05/20/25	ZST
Freon 113	ND		ug/Kg	8.0	2.0	1.5	371761	05/20/25	05/20/25	ZST
1,1-Dichloroethene	ND		ug/Kg	8.0	2.2	1.5	371761	05/20/25	05/20/25	ZST
Methylene Chloride	ND		ug/Kg	8.0	7.6	1.5	371761	05/20/25	05/20/25	ZST
MTBE	ND		ug/Kg	8.0	1.8	1.5	371761	05/20/25	05/20/25	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	8.0	2.6	1.5	371761	05/20/25	05/20/25	ZST
1,1-Dichloroethane	ND		ug/Kg	8.0	2.2	1.5	371761	05/20/25	05/20/25	ZST
2-Butanone	59	J	ug/Kg	160	12	1.5	371761	05/20/25	05/20/25	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	8.0	1.9	1.5	371761	05/20/25	05/20/25	ZST
2,2-Dichloropropane	ND		ug/Kg	8.0	1.3	1.5	371761	05/20/25	05/20/25	ZST
Chloroform	ND		ug/Kg	8.0	1.1	1.5	371761	05/20/25	05/20/25	ZST
Bromochloromethane	ND		ug/Kg	8.0	1.1	1.5	371761	05/20/25	05/20/25	ZST
1,1,1-Trichloroethane	ND		ug/Kg	8.0	1.2	1.5	371761	05/20/25	05/20/25	ZST
1,1-Dichloropropene	ND		ug/Kg	8.0	1.5	1.5	371761	05/20/25	05/20/25	ZST
Carbon Tetrachloride	ND		ug/Kg	8.0	1.3	1.5	371761	05/20/25	05/20/25	ZST
1,2-Dichloroethane	ND		ug/Kg	8.0	1.1	1.5	371761	05/20/25	05/20/25	ZST
Benzene	4.3	J	ug/Kg	8.0	1.5	1.5	371761	05/20/25	05/20/25	ZST
Trichloroethene	ND		ug/Kg	8.0	1.4	1.5	371761	05/20/25	05/20/25	ZST
1,2-Dichloropropane	ND		ug/Kg	8.0	1.9	1.5	371761	05/20/25	05/20/25	ZST
Bromodichloromethane	ND		ug/Kg	8.0	2.0	1.5	371761	05/20/25	05/20/25	ZST
Dibromomethane	ND		ug/Kg	8.0	1.7	1.5	371761	05/20/25	05/20/25	ZST
4-Methyl-2-Pentanone	3.0	J	ug/Kg	8.0	2.0	1.5	371761	05/20/25	05/20/25	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	8.0	3.0	1.5	371761	05/20/25	05/20/25	ZST
Toluene	3.2	J	ug/Kg	8.0	1.5	1.5	371761	05/20/25	05/20/25	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	8.0	1.6	1.5	371761	05/20/25	05/20/25	ZST
1,1,2-Trichloroethane	ND		ug/Kg	8.0	0.8	1.5	371761	05/20/25	05/20/25	ZST
1,3-Dichloropropane	ND		ug/Kg	8.0	0.8	1.5	371761	05/20/25	05/20/25	ZST
Tetrachloroethene	ND		ug/Kg	8.0	2.0	1.5	371761	05/20/25	05/20/25	ZST
Dibromochloromethane	ND		ug/Kg	8.0	1.7	1.5	371761	05/20/25	05/20/25	ZST
1,2-Dibromoethane	ND		ug/Kg	8.0	1.0	1.5	371761	05/20/25	05/20/25	ZST
Chlorobenzene	ND		ug/Kg	8.0	1.8	1.5	371761	05/20/25	05/20/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	8.0	1.6	1.5	371761	05/20/25	05/20/25	ZST
Ethylbenzene	ND		ug/Kg	8.0	1.6	1.5	371761	05/20/25	05/20/25	ZST

Analysis Results for 533332

533332-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/Kg	16	3.2	1.5	371761	05/20/25	05/20/25	ZST
o-Xylene	ND		ug/Kg	8.0	1.0	1.5	371761	05/20/25	05/20/25	ZST
Styrene	ND		ug/Kg	8.0	1.2	1.5	371761	05/20/25	05/20/25	ZST
Bromoform	ND		ug/Kg	8.0	1.4	1.5	371761	05/20/25	05/20/25	ZST
Isopropylbenzene	ND		ug/Kg	8.0	1.5	1.5	371761	05/20/25	05/20/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	8.0	0.9	1.5	371761	05/20/25	05/20/25	ZST
1,2,3-Trichloropropane	ND		ug/Kg	8.0	1.6	1.5	371761	05/20/25	05/20/25	ZST
Propylbenzene	ND		ug/Kg	8.0	1.6	1.5	371761	05/20/25	05/20/25	ZST
Bromobenzene	ND		ug/Kg	8.0	1.6	1.5	371761	05/20/25	05/20/25	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	8.0	1.6	1.5	371761	05/20/25	05/20/25	ZST
2-Chlorotoluene	ND		ug/Kg	8.0	1.5	1.5	371761	05/20/25	05/20/25	ZST
4-Chlorotoluene	ND		ug/Kg	8.0	1.3	1.5	371761	05/20/25	05/20/25	ZST
tert-Butylbenzene	ND		ug/Kg	8.0	1.4	1.5	371761	05/20/25	05/20/25	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	8.0	1.3	1.5	371761	05/20/25	05/20/25	ZST
sec-Butylbenzene	ND		ug/Kg	8.0	1.7	1.5	371761	05/20/25	05/20/25	ZST
para-Isopropyl Toluene	3.5	J	ug/Kg	8.0	1.4	1.5	371761	05/20/25	05/20/25	ZST
1,3-Dichlorobenzene	ND		ug/Kg	8.0	1.2	1.5	371761	05/20/25	05/20/25	ZST
1,4-Dichlorobenzene	ND		ug/Kg	8.0	1.3	1.5	371761	05/20/25	05/20/25	ZST
n-Butylbenzene	ND		ug/Kg	8.0	1.6	1.5	371761	05/20/25	05/20/25	ZST
1,2-Dichlorobenzene	ND		ug/Kg	8.0	1.2	1.5	371761	05/20/25	05/20/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	8.0	2.9	1.5	371761	05/20/25	05/20/25	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	8.0	2.0	1.5	371761	05/20/25	05/20/25	ZST
Hexachlorobutadiene	ND		ug/Kg	8.0	1.6	1.5	371761	05/20/25	05/20/25	ZST
Naphthalene	ND		ug/Kg	8.0	1.8	1.5	371761	05/20/25	05/20/25	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	8.0	1.7	1.5	371761	05/20/25	05/20/25	ZST
Xylene (total)	ND		ug/Kg	8.0		1.5	371761	05/20/25	05/20/25	ZST
Surrogates	Limits									
Dibromofluoromethane	93%		%REC	70-145		1.5	371761	05/20/25	05/20/25	ZST
1,2-Dichloroethane-d4	118%		%REC	70-145		1.5	371761	05/20/25	05/20/25	ZST
Toluene-d8	109%		%REC	70-145		1.5	371761	05/20/25	05/20/25	ZST
Bromofluorobenzene	106%		%REC	70-145		1.5	371761	05/20/25	05/20/25	ZST

Analysis Results for 533332

Sample ID: COMP-21
Lab ID: 533332-012
Collected: 05/16/25
Matrix: Soil
Basis: Dry

533332-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	2		%	1		1	371738	05/19/25	05/19/25	CDR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.5	0.98	371622	05/17/25	05/18/25	KCD
Arsenic	5.8		mg/Kg	1.0	0.63	0.98	371622	05/17/25	05/18/25	KCD
Barium	79		mg/Kg	1.0	0.32	0.98	371622	05/17/25	05/18/25	KCD
Beryllium	0.46	J	mg/Kg	0.50	0.034	0.98	371622	05/17/25	05/18/25	KCD
Cadmium	0.43	J	mg/Kg	0.50	0.11	0.98	371622	05/17/25	05/18/25	KCD
Chromium	19		mg/Kg	1.0	0.28	0.98	371622	05/17/25	05/18/25	KCD
Cobalt	11		mg/Kg	0.50	0.27	0.98	371622	05/17/25	05/18/25	KCD
Copper	25		mg/Kg	1.0	0.72	0.98	371622	05/17/25	05/18/25	KCD
Lead	45		mg/Kg	1.0	0.75	0.98	371622	05/17/25	05/18/25	KCD
Molybdenum	1.6		mg/Kg	1.0	0.57	0.98	371622	05/17/25	05/18/25	KCD
Nickel	17		mg/Kg	1.0	0.31	0.98	371622	05/17/25	05/18/25	KCD
Selenium	ND		mg/Kg	3.0	1.2	0.98	371622	05/17/25	05/18/25	KCD
Silver	ND		mg/Kg	0.50	0.17	0.98	371622	05/17/25	05/18/25	KCD
Thallium	ND		mg/Kg	3.0	1.1	0.98	371622	05/17/25	05/18/25	KCD
Vanadium	39		mg/Kg	1.0	0.16	0.98	371622	05/17/25	05/18/25	KCD
Zinc	280		mg/Kg	5.0	2.3	0.98	371622	05/17/25	05/18/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.17	0.063	1.2	371628	05/17/25	05/18/25	KCD
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10	3.7	0.99	371614	05/17/25	05/17/25	DIB
DRO C10-C28	52		mg/Kg	10	3.7	0.99	371614	05/17/25	05/17/25	DIB
ORO C28-C44	70		mg/Kg	20	3.7	0.99	371614	05/17/25	05/17/25	DIB
Surrogates	Limits									
n-Triacontane	113%		%REC	70-130		0.99	371614	05/17/25	05/17/25	DIB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	2.0	1	371611	05/17/25	05/19/25	HQN
beta-BHC	ND		ug/Kg	5.2	2.0	1	371611	05/17/25	05/19/25	HQN
gamma-BHC	ND		ug/Kg	5.2	1.8	1	371611	05/17/25	05/19/25	HQN
delta-BHC	ND		ug/Kg	5.2	2.5	1	371611	05/17/25	05/19/25	HQN
Heptachlor	ND		ug/Kg	5.2	2.0	1	371611	05/17/25	05/19/25	HQN
Aldrin	ND		ug/Kg	5.2	2.4	1	371611	05/17/25	05/19/25	HQN
Heptachlor epoxide	ND		ug/Kg	5.2	2.2	1	371611	05/17/25	05/19/25	HQN
Endosulfan I	ND		ug/Kg	5.2	2.3	1	371611	05/17/25	05/19/25	HQN
Dieldrin	ND		ug/Kg	5.2	3.2	1	371611	05/17/25	05/19/25	HQN
4,4'-DDE	ND		ug/Kg	5.2	3.3	1	371611	05/17/25	05/19/25	HQN
Endrin	ND		ug/Kg	5.2	2.1	1	371611	05/17/25	05/19/25	HQN
Endosulfan II	ND		ug/Kg	5.2	2.1	1	371611	05/17/25	05/19/25	HQN
Endosulfan sulfate	ND		ug/Kg	5.2	3.3	1	371611	05/17/25	05/19/25	HQN
4,4'-DDD	ND		ug/Kg	5.2	1.6	1	371611	05/17/25	05/19/25	HQN

Analysis Results for 533332

533332-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.2	3.7	1	371611	05/17/25	05/19/25	HQN
Endrin ketone	ND		ug/Kg	5.2	2.2	1	371611	05/17/25	05/19/25	HQN
4,4'-DDT	ND		ug/Kg	5.2	2.1	1	371611	05/17/25	05/19/25	HQN
Methoxychlor	ND		ug/Kg	10	4.0	1	371611	05/17/25	05/19/25	HQN
Toxaphene	ND		ug/Kg	100	72	1	371611	05/17/25	05/19/25	HQN
Chlordane (Technical)	ND		ug/Kg	52	38	1	371611	05/17/25	05/19/25	HQN
Surrogates			Limits							
TCMX	83%		%REC	23-120		1	371611	05/17/25	05/19/25	HQN
Decachlorobiphenyl	68%		%REC	24-120		1	371611	05/17/25	05/19/25	HQN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND		ug/Kg	52	25	1	371611	05/17/25	05/19/25	HQN
Aroclor-1221	ND		ug/Kg	52	33	1	371611	05/17/25	05/19/25	HQN
Aroclor-1232	ND		ug/Kg	52	20	1	371611	05/17/25	05/19/25	HQN
Aroclor-1242	ND		ug/Kg	52	26	1	371611	05/17/25	05/19/25	HQN
Aroclor-1248	ND		ug/Kg	52	31	1	371611	05/17/25	05/19/25	HQN
Aroclor-1254	ND		ug/Kg	52	34	1	371611	05/17/25	05/19/25	HQN
Aroclor-1260	ND		ug/Kg	52	27	1	371611	05/17/25	05/19/25	HQN
Aroclor-1262	ND		ug/Kg	52	27	1	371611	05/17/25	05/19/25	HQN
Aroclor-1268	ND		ug/Kg	52	31	1	371611	05/17/25	05/19/25	HQN
Total PCBs	ND		ug/Kg	52		1	371611	05/17/25	05/19/25	HQN
Surrogates			Limits							
Decachlorobiphenyl (PCB)	62%		%REC	19-121		1	371611	05/17/25	05/19/25	HQN

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	8.8	J	ug/Kg	10	1.1	0.99	371651	05/18/25	05/19/25	XLY
2-Methylnaphthalene	14		ug/Kg	10	1.4	0.99	371651	05/18/25	05/19/25	XLY
Naphthalene	31		ug/Kg	10	1.6	0.99	371651	05/18/25	05/19/25	XLY
Acenaphthylene	3.2	J	ug/Kg	10	1.1	0.99	371651	05/18/25	05/19/25	XLY
Acenaphthene	0.90	J	ug/Kg	10	0.76	0.99	371651	05/18/25	05/19/25	XLY
Fluorene	5.4	J	ug/Kg	10	0.85	0.99	371651	05/18/25	05/19/25	XLY
Phenanthrene	39		ug/Kg	10	1.7	0.99	371651	05/18/25	05/19/25	XLY
Anthracene	5.9	J	ug/Kg	10	1.0	0.99	371651	05/18/25	05/19/25	XLY
Fluoranthene	14		ug/Kg	10	1.5	0.99	371651	05/18/25	05/19/25	XLY
Pyrene	9.9	J	ug/Kg	10	3.3	0.99	371651	05/18/25	05/19/25	XLY
Benzo(a)anthracene	2.6	J	ug/Kg	10	0.79	0.99	371651	05/18/25	05/19/25	XLY
Chrysene	5.3	J	ug/Kg	10	0.66	0.99	371651	05/18/25	05/19/25	XLY
Benzo(b)fluoranthene	4.0	J	ug/Kg	10	0.89	0.99	371651	05/18/25	05/19/25	XLY
Benzo(k)fluoranthene	ND		ug/Kg	10	1.4	0.99	371651	05/18/25	05/19/25	XLY
Benzo(a)pyrene	1.9	J	ug/Kg	10	1.5	0.99	371651	05/18/25	05/19/25	XLY
Indeno(1,2,3-cd)pyrene	2.1	J	ug/Kg	10	0.98	0.99	371651	05/18/25	05/19/25	XLY
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.1	0.99	371651	05/18/25	05/19/25	XLY
Benzo(g,h,i)perylene	3.3	J	ug/Kg	10	1.3	0.99	371651	05/18/25	05/19/25	XLY
Surrogates			Limits							
Nitrobenzene-d5	52%		%REC	27-125		0.99	371651	05/18/25	05/19/25	XLY
2-Fluorobiphenyl	49%		%REC	30-120		0.99	371651	05/18/25	05/19/25	XLY
Terphenyl-d14	57%		%REC	33-155		0.99	371651	05/18/25	05/19/25	XLY

Analysis Results for 533332

Sample ID: DUP01-250516
Lab ID: 533332-013
Collected: 05/16/25
Matrix: Soil
Basis: Dry

533332-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	2		%	1		1	371738	05/19/25	05/19/25	CDR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	1.5	0.95	371622	05/17/25	05/18/25	KCD
Arsenic	8.1		mg/Kg	0.97	0.61	0.95	371622	05/17/25	05/18/25	KCD
Barium	63		mg/Kg	0.97	0.31	0.95	371622	05/17/25	05/18/25	KCD
Beryllium	0.38	J	mg/Kg	0.49	0.033	0.95	371622	05/17/25	05/18/25	KCD
Cadmium	0.44	J	mg/Kg	0.49	0.11	0.95	371622	05/17/25	05/18/25	KCD
Chromium	21		mg/Kg	0.97	0.27	0.95	371622	05/17/25	05/18/25	KCD
Cobalt	9.3		mg/Kg	0.49	0.26	0.95	371622	05/17/25	05/18/25	KCD
Copper	38		mg/Kg	0.97	0.70	0.95	371622	05/17/25	05/18/25	KCD
Lead	47		mg/Kg	0.97	0.73	0.95	371622	05/17/25	05/18/25	KCD
Molybdenum	6.6		mg/Kg	0.97	0.55	0.95	371622	05/17/25	05/18/25	KCD
Nickel	19		mg/Kg	0.97	0.31	0.95	371622	05/17/25	05/18/25	KCD
Selenium	ND		mg/Kg	2.9	1.2	0.95	371622	05/17/25	05/18/25	KCD
Silver	ND		mg/Kg	0.49	0.16	0.95	371622	05/17/25	05/18/25	KCD
Thallium	ND		mg/Kg	2.9	1.1	0.95	371622	05/17/25	05/18/25	KCD
Vanadium	34		mg/Kg	0.97	0.16	0.95	371622	05/17/25	05/18/25	KCD
Zinc	180		mg/Kg	4.9	2.2	0.95	371622	05/17/25	05/18/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.16	0.059	1.1	371628	05/17/25	05/18/25	KCD
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10	3.7	1	371614	05/17/25	05/20/25	DIB
DRO C10-C28	52		mg/Kg	10	3.7	1	371614	05/17/25	05/20/25	DIB
ORO C28-C44	88		mg/Kg	20	3.7	1	371614	05/17/25	05/20/25	DIB
Surrogates	Limits									
n-Triacontane	116%		%REC	70-130		1	371614	05/17/25	05/20/25	DIB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	2.0	1	371611	05/17/25	05/19/25	HQN
beta-BHC	ND		ug/Kg	5.2	2.0	1	371611	05/17/25	05/19/25	HQN
gamma-BHC	ND		ug/Kg	5.2	1.8	1	371611	05/17/25	05/19/25	HQN
delta-BHC	ND		ug/Kg	5.2	2.5	1	371611	05/17/25	05/19/25	HQN
Heptachlor	ND		ug/Kg	5.2	2.0	1	371611	05/17/25	05/19/25	HQN
Aldrin	ND		ug/Kg	5.2	2.4	1	371611	05/17/25	05/19/25	HQN
Heptachlor epoxide	ND		ug/Kg	5.2	2.2	1	371611	05/17/25	05/19/25	HQN
Endosulfan I	ND		ug/Kg	5.2	2.3	1	371611	05/17/25	05/19/25	HQN
Dieldrin	ND		ug/Kg	5.2	3.2	1	371611	05/17/25	05/19/25	HQN
4,4'-DDE	ND		ug/Kg	5.2	3.3	1	371611	05/17/25	05/19/25	HQN
Endrin	ND		ug/Kg	5.2	2.1	1	371611	05/17/25	05/19/25	HQN
Endosulfan II	ND		ug/Kg	5.2	2.1	1	371611	05/17/25	05/19/25	HQN
Endosulfan sulfate	ND		ug/Kg	5.2	3.3	1	371611	05/17/25	05/19/25	HQN
4,4'-DDD	ND		ug/Kg	5.2	1.6	1	371611	05/17/25	05/19/25	HQN

Analysis Results for 533332

533332-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.2	3.7	1	371611	05/17/25	05/19/25	HQN
Endrin ketone	ND		ug/Kg	5.2	2.2	1	371611	05/17/25	05/19/25	HQN
4,4'-DDT	ND		ug/Kg	5.2	2.1	1	371611	05/17/25	05/19/25	HQN
Methoxychlor	ND		ug/Kg	10	4.0	1	371611	05/17/25	05/19/25	HQN
Toxaphene	ND		ug/Kg	100	72	1	371611	05/17/25	05/19/25	HQN
Chlordane (Technical)	ND		ug/Kg	52	38	1	371611	05/17/25	05/19/25	HQN
Surrogates			Limits							
TCMX	81%		%REC	23-120		1	371611	05/17/25	05/19/25	HQN
Decachlorobiphenyl	69%		%REC	24-120		1	371611	05/17/25	05/19/25	HQN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND		ug/Kg	52	25	1	371611	05/17/25	05/19/25	HQN
Aroclor-1221	ND		ug/Kg	52	33	1	371611	05/17/25	05/19/25	HQN
Aroclor-1232	ND		ug/Kg	52	20	1	371611	05/17/25	05/19/25	HQN
Aroclor-1242	ND		ug/Kg	52	26	1	371611	05/17/25	05/19/25	HQN
Aroclor-1248	ND		ug/Kg	52	31	1	371611	05/17/25	05/19/25	HQN
Aroclor-1254	ND		ug/Kg	52	34	1	371611	05/17/25	05/19/25	HQN
Aroclor-1260	ND		ug/Kg	52	27	1	371611	05/17/25	05/19/25	HQN
Aroclor-1262	ND		ug/Kg	52	27	1	371611	05/17/25	05/19/25	HQN
Aroclor-1268	ND		ug/Kg	52	31	1	371611	05/17/25	05/19/25	HQN
Total PCBs	ND		ug/Kg	52		1	371611	05/17/25	05/19/25	HQN
Surrogates			Limits							
Decachlorobiphenyl (PCB)	86%		%REC	19-121		1	371611	05/17/25	05/19/25	HQN

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	10		ug/Kg	10	1.1	1	371651	05/18/25	05/19/25	XLY
2-Methylnaphthalene	15		ug/Kg	10	1.5	1	371651	05/18/25	05/19/25	XLY
Naphthalene	34		ug/Kg	10	1.6	1	371651	05/18/25	05/19/25	XLY
Acenaphthylene	3.1	J	ug/Kg	10	1.1	1	371651	05/18/25	05/19/25	XLY
Acenaphthene	1.0	J	ug/Kg	10	0.77	1	371651	05/18/25	05/19/25	XLY
Fluorene	6.3	J	ug/Kg	10	0.86	1	371651	05/18/25	05/19/25	XLY
Phenanthrene	36		ug/Kg	10	1.7	1	371651	05/18/25	05/19/25	XLY
Anthracene	5.1	J	ug/Kg	10	1.0	1	371651	05/18/25	05/19/25	XLY
Fluoranthene	13		ug/Kg	10	1.5	1	371651	05/18/25	05/19/25	XLY
Pyrene	9.7	J	ug/Kg	10	3.3	1	371651	05/18/25	05/19/25	XLY
Benzo(a)anthracene	3.1	J	ug/Kg	10	0.80	1	371651	05/18/25	05/19/25	XLY
Chrysene	5.5	J	ug/Kg	10	0.67	1	371651	05/18/25	05/19/25	XLY
Benzo(b)fluoranthene	4.8	J	ug/Kg	10	0.89	1	371651	05/18/25	05/19/25	XLY
Benzo(k)fluoranthene	ND		ug/Kg	10	1.4	1	371651	05/18/25	05/19/25	XLY
Benzo(a)pyrene	2.5	J	ug/Kg	10	1.5	1	371651	05/18/25	05/19/25	XLY
Indeno(1,2,3-cd)pyrene	2.3	J	ug/Kg	10	0.98	1	371651	05/18/25	05/19/25	XLY
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.1	1	371651	05/18/25	05/19/25	XLY
Benzo(g,h,i)perylene	3.7	J	ug/Kg	10	1.3	1	371651	05/18/25	05/19/25	XLY
Surrogates			Limits							
Nitrobenzene-d5	60%		%REC	27-125		1	371651	05/18/25	05/19/25	XLY
2-Fluorobiphenyl	56%		%REC	30-120		1	371651	05/18/25	05/19/25	XLY
Terphenyl-d14	64%		%REC	33-155		1	371651	05/18/25	05/19/25	XLY

Analysis Results for 533332

Sample ID: DUP02-250516
Lab ID: 533332-014
Collected: 05/16/25
Matrix: Soil

533332-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B										
Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	7.9	1.8	1.6	371761	05/20/25	05/20/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	7.9	2.3	1.6	371761	05/20/25	05/20/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	7.9	2.6	1.6	371761	05/20/25	05/20/25	ZST
Freon 12	ND		ug/Kg	7.9	4.1	1.6	371761	05/20/25	05/20/25	ZST
Chloromethane	ND		ug/Kg	7.9	5.6	1.6	371761	05/20/25	05/20/25	ZST
Vinyl Chloride	ND		ug/Kg	7.9	5.7	1.6	371761	05/20/25	05/20/25	ZST
Bromomethane	ND		ug/Kg	7.9	3.5	1.6	371761	05/20/25	05/20/25	ZST
Chloroethane	ND		ug/Kg	7.9	6.0	1.6	371761	05/20/25	05/20/25	ZST
Trichlorofluoromethane	ND		ug/Kg	7.9	5.0	1.6	371761	05/20/25	05/20/25	ZST
Acetone	320		ug/Kg	160	71	1.6	371761	05/20/25	05/20/25	ZST
Freon 113	ND		ug/Kg	7.9	2.0	1.6	371761	05/20/25	05/20/25	ZST
1,1-Dichloroethene	ND		ug/Kg	7.9	2.2	1.6	371761	05/20/25	05/20/25	ZST
Methylene Chloride	ND		ug/Kg	7.9	7.5	1.6	371761	05/20/25	05/20/25	ZST
MTBE	ND		ug/Kg	7.9	1.7	1.6	371761	05/20/25	05/20/25	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	7.9	2.6	1.6	371761	05/20/25	05/20/25	ZST
1,1-Dichloroethane	ND		ug/Kg	7.9	2.1	1.6	371761	05/20/25	05/20/25	ZST
2-Butanone	46	J	ug/Kg	160	12	1.6	371761	05/20/25	05/20/25	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	7.9	1.9	1.6	371761	05/20/25	05/20/25	ZST
2,2-Dichloropropane	ND		ug/Kg	7.9	1.3	1.6	371761	05/20/25	05/20/25	ZST
Chloroform	ND		ug/Kg	7.9	1.1	1.6	371761	05/20/25	05/20/25	ZST
Bromochloromethane	ND		ug/Kg	7.9	1.1	1.6	371761	05/20/25	05/20/25	ZST
1,1,1-Trichloroethane	ND		ug/Kg	7.9	1.2	1.6	371761	05/20/25	05/20/25	ZST
1,1-Dichloropropene	ND		ug/Kg	7.9	1.5	1.6	371761	05/20/25	05/20/25	ZST
Carbon Tetrachloride	ND		ug/Kg	7.9	1.3	1.6	371761	05/20/25	05/20/25	ZST
1,2-Dichloroethane	ND		ug/Kg	7.9	1.1	1.6	371761	05/20/25	05/20/25	ZST
Benzene	3.1	J	ug/Kg	7.9	1.5	1.6	371761	05/20/25	05/20/25	ZST
Trichloroethene	ND		ug/Kg	7.9	1.3	1.6	371761	05/20/25	05/20/25	ZST
1,2-Dichloropropane	ND		ug/Kg	7.9	1.8	1.6	371761	05/20/25	05/20/25	ZST
Bromodichloromethane	ND		ug/Kg	7.9	1.9	1.6	371761	05/20/25	05/20/25	ZST
Dibromomethane	ND		ug/Kg	7.9	1.7	1.6	371761	05/20/25	05/20/25	ZST
4-Methyl-2-Pentanone	2.1	J	ug/Kg	7.9	1.9	1.6	371761	05/20/25	05/20/25	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	7.9	2.9	1.6	371761	05/20/25	05/20/25	ZST
Toluene	2.0	J	ug/Kg	7.9	1.4	1.6	371761	05/20/25	05/20/25	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	7.9	1.6	1.6	371761	05/20/25	05/20/25	ZST
1,1,2-Trichloroethane	ND		ug/Kg	7.9	0.8	1.6	371761	05/20/25	05/20/25	ZST
1,3-Dichloropropane	ND		ug/Kg	7.9	0.7	1.6	371761	05/20/25	05/20/25	ZST
Tetrachloroethene	ND		ug/Kg	7.9	2.0	1.6	371761	05/20/25	05/20/25	ZST
Dibromochloromethane	ND		ug/Kg	7.9	1.7	1.6	371761	05/20/25	05/20/25	ZST
1,2-Dibromoethane	ND		ug/Kg	7.9	1.0	1.6	371761	05/20/25	05/20/25	ZST
Chlorobenzene	ND		ug/Kg	7.9	1.7	1.6	371761	05/20/25	05/20/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	7.9	1.6	1.6	371761	05/20/25	05/20/25	ZST
Ethylbenzene	ND		ug/Kg	7.9	1.5	1.6	371761	05/20/25	05/20/25	ZST
m,p-Xylenes	ND		ug/Kg	16	3.1	1.6	371761	05/20/25	05/20/25	ZST
o-Xylene	ND		ug/Kg	7.9	1.0	1.6	371761	05/20/25	05/20/25	ZST
Styrene	ND		ug/Kg	7.9	1.2	1.6	371761	05/20/25	05/20/25	ZST

Analysis Results for 533332

533332-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromoform	ND		ug/Kg	7.9	1.3	1.6	371761	05/20/25	05/20/25	ZST
Isopropylbenzene	ND		ug/Kg	7.9	1.5	1.6	371761	05/20/25	05/20/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	7.9	0.8	1.6	371761	05/20/25	05/20/25	ZST
1,2,3-Trichloropropane	ND		ug/Kg	7.9	1.6	1.6	371761	05/20/25	05/20/25	ZST
Propylbenzene	ND		ug/Kg	7.9	1.6	1.6	371761	05/20/25	05/20/25	ZST
Bromobenzene	ND		ug/Kg	7.9	1.6	1.6	371761	05/20/25	05/20/25	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	7.9	1.5	1.6	371761	05/20/25	05/20/25	ZST
2-Chlorotoluene	ND		ug/Kg	7.9	1.5	1.6	371761	05/20/25	05/20/25	ZST
4-Chlorotoluene	ND		ug/Kg	7.9	1.3	1.6	371761	05/20/25	05/20/25	ZST
tert-Butylbenzene	ND		ug/Kg	7.9	1.4	1.6	371761	05/20/25	05/20/25	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	7.9	1.3	1.6	371761	05/20/25	05/20/25	ZST
sec-Butylbenzene	ND		ug/Kg	7.9	1.7	1.6	371761	05/20/25	05/20/25	ZST
para-Isopropyl Toluene	2.2	J	ug/Kg	7.9	1.4	1.6	371761	05/20/25	05/20/25	ZST
1,3-Dichlorobenzene	ND		ug/Kg	7.9	1.2	1.6	371761	05/20/25	05/20/25	ZST
1,4-Dichlorobenzene	ND		ug/Kg	7.9	1.2	1.6	371761	05/20/25	05/20/25	ZST
n-Butylbenzene	ND		ug/Kg	7.9	1.5	1.6	371761	05/20/25	05/20/25	ZST
1,2-Dichlorobenzene	ND		ug/Kg	7.9	1.2	1.6	371761	05/20/25	05/20/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	7.9	2.8	1.6	371761	05/20/25	05/20/25	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	7.9	2.0	1.6	371761	05/20/25	05/20/25	ZST
Hexachlorobutadiene	ND		ug/Kg	7.9	1.5	1.6	371761	05/20/25	05/20/25	ZST
Naphthalene	ND		ug/Kg	7.9	1.8	1.6	371761	05/20/25	05/20/25	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	7.9	1.7	1.6	371761	05/20/25	05/20/25	ZST
Xylene (total)	ND		ug/Kg	7.9		1.6	371761	05/20/25	05/20/25	ZST
Surrogates	Limits									
Dibromofluoromethane	91%		%REC	70-145		1.6	371761	05/20/25	05/20/25	ZST
1,2-Dichloroethane-d4	117%		%REC	70-145		1.6	371761	05/20/25	05/20/25	ZST
Toluene-d8	106%		%REC	70-145		1.6	371761	05/20/25	05/20/25	ZST
Bromofluorobenzene	107%		%REC	70-145		1.6	371761	05/20/25	05/20/25	ZST

Analysis Results for 533332

Sample ID: COMP-22
Lab ID: 533332-020
Collected: 05/16/25
Matrix: Soil
Basis: Dry

533332-020 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	2		%	1		1	371738	05/19/25	05/19/25	CDR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.5	0.98	371622	05/17/25	05/18/25	KCD
Arsenic	7.0		mg/Kg	1.0	0.63	0.98	371622	05/17/25	05/18/25	KCD
Barium	79		mg/Kg	1.0	0.32	0.98	371622	05/17/25	05/18/25	KCD
Beryllium	0.54		mg/Kg	0.50	0.034	0.98	371622	05/17/25	05/18/25	KCD
Cadmium	0.49	J	mg/Kg	0.50	0.11	0.98	371622	05/17/25	05/18/25	KCD
Chromium	25		mg/Kg	1.0	0.28	0.98	371622	05/17/25	05/18/25	KCD
Cobalt	9.0		mg/Kg	0.50	0.27	0.98	371622	05/17/25	05/18/25	KCD
Copper	44		mg/Kg	1.0	0.72	0.98	371622	05/17/25	05/18/25	KCD
Lead	57		mg/Kg	1.0	0.75	0.98	371622	05/17/25	05/18/25	KCD
Molybdenum	1.7		mg/Kg	1.0	0.57	0.98	371622	05/17/25	05/18/25	KCD
Nickel	21		mg/Kg	1.0	0.31	0.98	371622	05/17/25	05/18/25	KCD
Selenium	ND		mg/Kg	3.0	1.2	0.98	371622	05/17/25	05/18/25	KCD
Silver	ND		mg/Kg	0.50	0.17	0.98	371622	05/17/25	05/18/25	KCD
Thallium	ND		mg/Kg	3.0	1.1	0.98	371622	05/17/25	05/18/25	KCD
Vanadium	43		mg/Kg	1.0	0.16	0.98	371622	05/17/25	05/18/25	KCD
Zinc	280		mg/Kg	5.0	2.3	0.98	371622	05/17/25	05/18/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.15	0.056	1.1	371628	05/17/25	05/18/25	KCD
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	2.0	1	371611	05/17/25	05/19/25	HQN
beta-BHC	ND		ug/Kg	5.2	2.0	1	371611	05/17/25	05/19/25	HQN
gamma-BHC	ND		ug/Kg	5.2	1.8	1	371611	05/17/25	05/19/25	HQN
delta-BHC	ND		ug/Kg	5.2	2.5	1	371611	05/17/25	05/19/25	HQN
Heptachlor	ND		ug/Kg	5.2	2.0	1	371611	05/17/25	05/19/25	HQN
Aldrin	ND		ug/Kg	5.2	2.4	1	371611	05/17/25	05/19/25	HQN
Heptachlor epoxide	ND		ug/Kg	5.2	2.2	1	371611	05/17/25	05/19/25	HQN
Endosulfan I	ND		ug/Kg	5.2	2.3	1	371611	05/17/25	05/19/25	HQN
Dieldrin	ND		ug/Kg	5.2	3.2	1	371611	05/17/25	05/19/25	HQN
4,4'-DDE	ND		ug/Kg	5.2	3.3	1	371611	05/17/25	05/19/25	HQN
Endrin	ND		ug/Kg	5.2	2.1	1	371611	05/17/25	05/19/25	HQN
Endosulfan II	ND		ug/Kg	5.2	2.1	1	371611	05/17/25	05/19/25	HQN
Endosulfan sulfate	ND		ug/Kg	5.2	3.3	1	371611	05/17/25	05/19/25	HQN
4,4'-DDD	ND		ug/Kg	5.2	1.6	1	371611	05/17/25	05/19/25	HQN
Endrin aldehyde	ND		ug/Kg	5.2	3.7	1	371611	05/17/25	05/19/25	HQN
Endrin ketone	ND		ug/Kg	5.2	2.2	1	371611	05/17/25	05/19/25	HQN
4,4'-DDT	ND		ug/Kg	5.2	2.1	1	371611	05/17/25	05/19/25	HQN
Methoxychlor	ND		ug/Kg	10	4.0	1	371611	05/17/25	05/19/25	HQN
Toxaphene	ND		ug/Kg	100	72	1	371611	05/17/25	05/19/25	HQN
Chlordane (Technical)	ND		ug/Kg	52	38	1	371611	05/17/25	05/19/25	HQN
Surrogates	Limits									

Analysis Results for 533332

533332-020 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX	98%		%REC	23-120		1	371611	05/17/25	05/19/25	HQN
Decachlorobiphenyl	91%		%REC	24-120		1	371611	05/17/25	05/19/25	HQN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	9.3	J	ug/Kg	51	5.5	5	371651	05/18/25	05/19/25	XLY
2-Methylnaphthalene	11	J	ug/Kg	51	7.3	5	371651	05/18/25	05/19/25	XLY
Naphthalene	19	J	ug/Kg	51	8.1	5	371651	05/18/25	05/19/25	XLY
Acenaphthylene	ND		ug/Kg	51	5.7	5	371651	05/18/25	05/19/25	XLY
Acenaphthene	ND		ug/Kg	51	3.8	5	371651	05/18/25	05/19/25	XLY
Fluorene	17	J	ug/Kg	51	4.3	5	371651	05/18/25	05/19/25	XLY
Phenanthrene	21	J	ug/Kg	51	8.5	5	371651	05/18/25	05/19/25	XLY
Anthracene	ND		ug/Kg	51	5.1	5	371651	05/18/25	05/19/25	XLY
Fluoranthene	10	J	ug/Kg	51	7.3	5	371651	05/18/25	05/19/25	XLY
Pyrene	ND		ug/Kg	51	17	5	371651	05/18/25	05/19/25	XLY
Benzo(a)anthracene	ND		ug/Kg	51	4.0	5	371651	05/18/25	05/19/25	XLY
Chrysene	5.2	J	ug/Kg	51	3.3	5	371651	05/18/25	05/19/25	XLY
Benzo(b)fluoranthene	5.0	J	ug/Kg	51	4.5	5	371651	05/18/25	05/19/25	XLY
Benzo(k)fluoranthene	ND		ug/Kg	51	6.8	5	371651	05/18/25	05/19/25	XLY
Benzo(a)pyrene	ND		ug/Kg	51	7.7	5	371651	05/18/25	05/19/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	51	4.9	5	371651	05/18/25	05/19/25	XLY
Dibenz(a,h)anthracene	ND		ug/Kg	51	5.3	5	371651	05/18/25	05/19/25	XLY
Benzo(g,h,i)perylene	ND		ug/Kg	51	6.4	5	371651	05/18/25	05/19/25	XLY
Surrogates				Limits						
Nitrobenzene-d5	54%		%REC	27-125		5	371651	05/18/25	05/19/25	XLY
2-Fluorobiphenyl	54%		%REC	30-120		5	371651	05/18/25	05/19/25	XLY
Terphenyl-d14	59%		%REC	33-155		5	371651	05/18/25	05/19/25	XLY

Analysis Results for 533332

Sample ID: COMP-23
Lab ID: 533332-026
Collected: 05/16/25
Matrix: Soil
Basis: Dry

533332-026 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	16		%	1		1	371738	05/19/25	05/19/25	CDR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.4	1.7	0.96	371622	05/17/25	05/18/25	KCD
Arsenic	10		mg/Kg	1.1	0.72	0.96	371622	05/17/25	05/18/25	KCD
Barium	110		mg/Kg	1.1	0.36	0.96	371622	05/17/25	05/18/25	KCD
Beryllium	0.41	J	mg/Kg	0.57	0.039	0.96	371622	05/17/25	05/18/25	KCD
Cadmium	0.66		mg/Kg	0.57	0.13	0.96	371622	05/17/25	05/18/25	KCD
Chromium	28		mg/Kg	1.1	0.32	0.96	371622	05/17/25	05/18/25	KCD
Cobalt	7.4		mg/Kg	0.57	0.31	0.96	371622	05/17/25	05/18/25	KCD
Copper	60		mg/Kg	1.1	0.82	0.96	371622	05/17/25	05/18/25	KCD
Lead	110		mg/Kg	1.1	0.86	0.96	371622	05/17/25	05/18/25	KCD
Molybdenum	3.3		mg/Kg	1.1	0.65	0.96	371622	05/17/25	05/18/25	KCD
Nickel	16		mg/Kg	1.1	0.36	0.96	371622	05/17/25	05/18/25	KCD
Selenium	ND		mg/Kg	3.4	1.4	0.96	371622	05/17/25	05/18/25	KCD
Silver	0.23	J	mg/Kg	0.57	0.19	0.96	371622	05/17/25	05/18/25	KCD
Thallium	ND		mg/Kg	3.4	1.3	0.96	371622	05/17/25	05/18/25	KCD
Vanadium	37		mg/Kg	1.1	0.18	0.96	371622	05/17/25	05/18/25	KCD
Zinc	330		mg/Kg	5.7	2.6	0.96	371622	05/17/25	05/18/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	0.069	J	mg/Kg	0.18	0.065	1.1	371628	05/17/25	05/18/25	KCD
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	59	6.4	5	371651	05/18/25	05/19/25	XLY
2-Methylnaphthalene	ND		ug/Kg	59	8.5	5	371651	05/18/25	05/19/25	XLY
Naphthalene	12	J	ug/Kg	59	9.4	5	371651	05/18/25	05/19/25	XLY
Acenaphthylene	ND		ug/Kg	59	6.6	5	371651	05/18/25	05/19/25	XLY
Acenaphthene	ND		ug/Kg	59	4.4	5	371651	05/18/25	05/19/25	XLY
Fluorene	ND		ug/Kg	59	5.0	5	371651	05/18/25	05/19/25	XLY
Phenanthrene	23	J	ug/Kg	59	9.9	5	371651	05/18/25	05/19/25	XLY
Anthracene	ND		ug/Kg	59	5.9	5	371651	05/18/25	05/19/25	XLY
Fluoranthene	17	J	ug/Kg	59	8.5	5	371651	05/18/25	05/19/25	XLY
Pyrene	ND		ug/Kg	59	19	5	371651	05/18/25	05/19/25	XLY
Benzo(a)anthracene	6.9	J	ug/Kg	59	4.6	5	371651	05/18/25	05/19/25	XLY
Chrysene	8.7	J	ug/Kg	59	3.9	5	371651	05/18/25	05/19/25	XLY
Benzo(b)fluoranthene	12	J	ug/Kg	59	5.2	5	371651	05/18/25	05/19/25	XLY
Benzo(k)fluoranthene	ND		ug/Kg	59	7.9	5	371651	05/18/25	05/19/25	XLY
Benzo(a)pyrene	ND		ug/Kg	59	8.9	5	371651	05/18/25	05/19/25	XLY
Indeno(1,2,3-cd)pyrene	6.6	J	ug/Kg	59	5.7	5	371651	05/18/25	05/19/25	XLY
Dibenz(a,h)anthracene	ND		ug/Kg	59	6.1	5	371651	05/18/25	05/19/25	XLY
Benzo(g,h,i)perylene	10	J	ug/Kg	59	7.4	5	371651	05/18/25	05/19/25	XLY
Surrogates				Limits						
Nitrobenzene-d5	52%		%REC	27-125		5	371651	05/18/25	05/19/25	XLY
2-Fluorobiphenyl	42%		%REC	30-120		5	371651	05/18/25	05/19/25	XLY

Analysis Results for 533332

533332-026 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Terphenyl-d14	45%		%REC	33-155		5	371651	05/18/25	05/19/25	XLY

Sample ID: G108

Lab ID: 533332-027

Collected: 05/16/25 11:20

533332-027 Analyte	Result	Qual	Units	RL	MDL	Basis	Matrix	DF	Batch	Prepared	Analyzed	Chemist
--------------------	--------	------	-------	----	-----	-------	--------	----	-------	----------	----------	---------

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent	17		%	1			Soil	1	372593	05/29/25	05/30/25	CDR
-------------------	----	--	---	---	--	--	------	---	--------	----------	----------	-----

Method: EPA 6010B

Prep Method: EPA 3015A

Lead	0.027		mg/L	0.015	0.0062		TCLP Leachate	1	372882	06/03/25	06/03/25	CAP
------	-------	--	------	-------	--------	--	---------------	---	--------	----------	----------	-----

Method: EPA 6010B

Prep Method: EPA 3050B

Lead	200		mg/Kg	1.2	0.90	Dry	Soil	1	372528	05/29/25	05/29/25	DXC
------	-----	--	-------	-----	------	-----	------	---	--------	----------	----------	-----

Method: EPA 6010B

Prep Method: METHOD

Lead	1.3		mg/L	0.15	0.051		WET Leachate	10	372789	06/02/25	06/02/25	SBW
------	-----	--	------	------	-------	--	--------------	----	--------	----------	----------	-----

Sample ID: G109

Lab ID: 533332-028

Collected: 05/16/25 11:24

Matrix: Soil

Basis: Dry

533332-028 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
--------------------	--------	------	-------	----	-----	----	-------	----------	----------	---------

Method: ASTM D2216

Prep Method: METHOD

Moisture, Percent	14		%	1			1	372593	05/29/25	05/30/25	CDR
-------------------	----	--	---	---	--	--	---	--------	----------	----------	-----

Method: EPA 6010B

Prep Method: EPA 3050B

Lead	120		mg/Kg	1.1	0.85	0.98	372528	05/29/25	05/29/25	DXC
------	-----	--	-------	-----	------	------	--------	----------	----------	-----

Analysis Results for 533332

Sample ID: G110
Lab ID: 533332-029
Collected: 05/16/25 11:28
Matrix: Soil
Basis: Dry

533332-029 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	11		%	1		1	371738	05/19/25	05/19/25	CDR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	110		mg/Kg	1.1	0.83	0.99	372528	05/29/25	05/29/25	DXC
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	11	2.6	1.9	371761	05/20/25	05/20/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	11	3.1	1.9	371761	05/20/25	05/20/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	11	3.6	1.9	371761	05/20/25	05/20/25	ZST
Freon 12	ND		ug/Kg	11	5.7	1.9	371761	05/20/25	05/20/25	ZST
Chloromethane	ND		ug/Kg	11	7.7	1.9	371761	05/20/25	05/20/25	ZST
Vinyl Chloride	ND		ug/Kg	11	7.8	1.9	371761	05/20/25	05/20/25	ZST
Bromomethane	ND		ug/Kg	11	4.8	1.9	371761	05/20/25	05/20/25	ZST
Chloroethane	ND		ug/Kg	11	8.3	1.9	371761	05/20/25	05/20/25	ZST
Trichlorofluoromethane	ND		ug/Kg	11	7.0	1.9	371761	05/20/25	05/20/25	ZST
Acetone	280		ug/Kg	220	99	1.9	371761	05/20/25	05/20/25	ZST
Freon 113	ND		ug/Kg	11	2.8	1.9	371761	05/20/25	05/20/25	ZST
1,1-Dichloroethene	ND		ug/Kg	11	3.1	1.9	371761	05/20/25	05/20/25	ZST
Methylene Chloride	ND		ug/Kg	11	10	1.9	371761	05/20/25	05/20/25	ZST
MTBE	ND		ug/Kg	11	2.4	1.9	371761	05/20/25	05/20/25	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	11	3.6	1.9	371761	05/20/25	05/20/25	ZST
1,1-Dichloroethane	ND		ug/Kg	11	2.9	1.9	371761	05/20/25	05/20/25	ZST
2-Butanone	25	J	ug/Kg	220	16	1.9	371761	05/20/25	05/20/25	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	11	2.6	1.9	371761	05/20/25	05/20/25	ZST
2,2-Dichloropropane	ND		ug/Kg	11	1.8	1.9	371761	05/20/25	05/20/25	ZST
Chloroform	ND		ug/Kg	11	1.5	1.9	371761	05/20/25	05/20/25	ZST
Bromochloromethane	ND		ug/Kg	11	1.5	1.9	371761	05/20/25	05/20/25	ZST
1,1,1-Trichloroethane	ND		ug/Kg	11	1.7	1.9	371761	05/20/25	05/20/25	ZST
1,1-Dichloropropene	ND		ug/Kg	11	2.1	1.9	371761	05/20/25	05/20/25	ZST
Carbon Tetrachloride	ND		ug/Kg	11	1.8	1.9	371761	05/20/25	05/20/25	ZST
1,2-Dichloroethane	ND		ug/Kg	11	1.5	1.9	371761	05/20/25	05/20/25	ZST
Benzene	ND		ug/Kg	11	2.1	1.9	371761	05/20/25	05/20/25	ZST
Trichloroethene	ND		ug/Kg	11	1.9	1.9	371761	05/20/25	05/20/25	ZST
1,2-Dichloropropane	ND		ug/Kg	11	2.6	1.9	371761	05/20/25	05/20/25	ZST
Bromodichloromethane	ND		ug/Kg	11	2.7	1.9	371761	05/20/25	05/20/25	ZST
Dibromomethane	ND		ug/Kg	11	2.4	1.9	371761	05/20/25	05/20/25	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	11	2.7	1.9	371761	05/20/25	05/20/25	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	11	4.1	1.9	371761	05/20/25	05/20/25	ZST
Toluene	ND		ug/Kg	11	2.0	1.9	371761	05/20/25	05/20/25	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	11	2.2	1.9	371761	05/20/25	05/20/25	ZST
1,1,2-Trichloroethane	ND		ug/Kg	11	1.1	1.9	371761	05/20/25	05/20/25	ZST
1,3-Dichloropropane	ND		ug/Kg	11	1.0	1.9	371761	05/20/25	05/20/25	ZST
Tetrachloroethene	ND		ug/Kg	11	2.8	1.9	371761	05/20/25	05/20/25	ZST
Dibromochloromethane	ND		ug/Kg	11	2.4	1.9	371761	05/20/25	05/20/25	ZST
1,2-Dibromoethane	ND		ug/Kg	11	1.3	1.9	371761	05/20/25	05/20/25	ZST

Analysis Results for 533332

533332-029 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Chlorobenzene	ND		ug/Kg	11	2.4	1.9	371761	05/20/25	05/20/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	11	2.3	1.9	371761	05/20/25	05/20/25	ZST
Ethylbenzene	ND		ug/Kg	11	2.1	1.9	371761	05/20/25	05/20/25	ZST
m,p-Xylenes	ND		ug/Kg	22	4.4	1.9	371761	05/20/25	05/20/25	ZST
o-Xylene	ND		ug/Kg	11	1.4	1.9	371761	05/20/25	05/20/25	ZST
Styrene	ND		ug/Kg	11	1.6	1.9	371761	05/20/25	05/20/25	ZST
Bromoform	ND		ug/Kg	11	1.9	1.9	371761	05/20/25	05/20/25	ZST
Isopropylbenzene	ND		ug/Kg	11	2.1	1.9	371761	05/20/25	05/20/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	11	1.2	1.9	371761	05/20/25	05/20/25	ZST
1,2,3-Trichloropropane	ND		ug/Kg	11	2.2	1.9	371761	05/20/25	05/20/25	ZST
Propylbenzene	ND		ug/Kg	11	2.2	1.9	371761	05/20/25	05/20/25	ZST
Bromobenzene	ND		ug/Kg	11	2.2	1.9	371761	05/20/25	05/20/25	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	11	2.1	1.9	371761	05/20/25	05/20/25	ZST
2-Chlorotoluene	ND		ug/Kg	11	2.0	1.9	371761	05/20/25	05/20/25	ZST
4-Chlorotoluene	ND		ug/Kg	11	1.8	1.9	371761	05/20/25	05/20/25	ZST
tert-Butylbenzene	ND		ug/Kg	11	2.0	1.9	371761	05/20/25	05/20/25	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	11	1.8	1.9	371761	05/20/25	05/20/25	ZST
sec-Butylbenzene	ND		ug/Kg	11	2.3	1.9	371761	05/20/25	05/20/25	ZST
para-Isopropyl Toluene	10	J	ug/Kg	11	1.9	1.9	371761	05/20/25	05/20/25	ZST
1,3-Dichlorobenzene	ND		ug/Kg	11	1.6	1.9	371761	05/20/25	05/20/25	ZST
1,4-Dichlorobenzene	ND		ug/Kg	11	1.7	1.9	371761	05/20/25	05/20/25	ZST
n-Butylbenzene	ND		ug/Kg	11	2.1	1.9	371761	05/20/25	05/20/25	ZST
1,2-Dichlorobenzene	ND		ug/Kg	11	1.6	1.9	371761	05/20/25	05/20/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	11	3.9	1.9	371761	05/20/25	05/20/25	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	11	2.8	1.9	371761	05/20/25	05/20/25	ZST
Hexachlorobutadiene	ND		ug/Kg	11	2.1	1.9	371761	05/20/25	05/20/25	ZST
Naphthalene	ND		ug/Kg	11	2.5	1.9	371761	05/20/25	05/20/25	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	11	2.3	1.9	371761	05/20/25	05/20/25	ZST
Xylene (total)	ND		ug/Kg	11		1.9	371761	05/20/25	05/20/25	ZST
Surrogates			Limits							
Dibromofluoromethane	90%		%REC	70-145		1.9	371761	05/20/25	05/20/25	ZST
1,2-Dichloroethane-d4	116%		%REC	70-145		1.9	371761	05/20/25	05/20/25	ZST
Toluene-d8	102%		%REC	70-145		1.9	371761	05/20/25	05/20/25	ZST
Bromofluorobenzene	97%		%REC	70-145		1.9	371761	05/20/25	05/20/25	ZST

Sample ID: G111
Lab ID: 533332-030
Collected: 05/16/25 11:32
Matrix: Soil
Basis: Dry

533332-030 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	15		%	1		1	372593	05/29/25	05/30/25	CDR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	100		mg/Kg	1.1	0.84	0.95	372528	05/29/25	05/29/25	DXC

Analysis Results for 533332

Sample ID: G112	Lab ID: 533332-031	Collected: 05/16/25 11:36
	Matrix: Soil	Basis: Dry

533332-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	7		%	1		1	372593	05/29/25	05/30/25	CDR
Method: EPA 6010B Prep Method: EPA 3050B										
Lead	110		mg/Kg	1.0	0.78	0.97	372528	05/29/25	05/29/25	DXC

Analysis Results for 533332

Sample ID: COMP-24
Lab ID: 533332-032
Collected: 05/16/25
Matrix: Soil
Basis: Dry

533332-032 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	10		%	1		1	371738	05/19/25	05/19/25	CDR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.3	1.7	1	371622	05/17/25	05/18/25	KCD
Arsenic	12		mg/Kg	1.1	0.70	1	371622	05/17/25	05/18/25	KCD
Barium	95		mg/Kg	1.1	0.35	1	371622	05/17/25	05/18/25	KCD
Beryllium	0.47	J	mg/Kg	0.56	0.037	1	371622	05/17/25	05/18/25	KCD
Cadmium	0.76		mg/Kg	0.56	0.12	1	371622	05/17/25	05/18/25	KCD
Chromium	41		mg/Kg	1.1	0.31	1	371622	05/17/25	05/18/25	KCD
Cobalt	7.1		mg/Kg	0.56	0.30	1	371622	05/17/25	05/18/25	KCD
Copper	40		mg/Kg	1.1	0.80	1	371622	05/17/25	05/18/25	KCD
Lead	130		mg/Kg	1.1	0.83	1	371622	05/17/25	05/18/25	KCD
Molybdenum	2.6		mg/Kg	1.1	0.63	1	371622	05/17/25	05/18/25	KCD
Nickel	18		mg/Kg	1.1	0.35	1	371622	05/17/25	05/18/25	KCD
Selenium	ND		mg/Kg	3.3	1.4	1	371622	05/17/25	05/18/25	KCD
Silver	0.21	J	mg/Kg	0.56	0.19	1	371622	05/17/25	05/18/25	KCD
Thallium	ND		mg/Kg	3.3	1.2	1	371622	05/17/25	05/18/25	KCD
Vanadium	43		mg/Kg	1.1	0.18	1	371622	05/17/25	05/18/25	KCD
Zinc	390		mg/Kg	5.6	2.5	1	371622	05/17/25	05/18/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	0.082	J	mg/Kg	0.17	0.062	1.1	371628	05/17/25	05/18/25	KCD
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	22	8.1	2	371614	05/17/25	05/20/25	DIB
DRO C10-C28	56		mg/Kg	22	8.1	2	371614	05/17/25	05/20/25	DIB
ORO C28-C44	160		mg/Kg	44	8.1	2	371614	05/17/25	05/20/25	DIB
Surrogates	Limits									
n-Triacontane	106%		%REC	70-130		2	371614	05/17/25	05/20/25	DIB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.6	2.2	1	371611	05/17/25	05/19/25	HQN
beta-BHC	8.8		ug/Kg	5.6	2.2	1	371611	05/17/25	05/19/25	HQN
gamma-BHC	ND		ug/Kg	5.6	1.9	1	371611	05/17/25	05/19/25	HQN
delta-BHC	ND		ug/Kg	5.6	2.7	1	371611	05/17/25	05/19/25	HQN
Heptachlor	ND		ug/Kg	5.6	2.2	1	371611	05/17/25	05/19/25	HQN
Aldrin	ND		ug/Kg	5.6	2.6	1	371611	05/17/25	05/19/25	HQN
Heptachlor epoxide	ND		ug/Kg	5.6	2.4	1	371611	05/17/25	05/19/25	HQN
Endosulfan I	ND		ug/Kg	5.6	2.5	1	371611	05/17/25	05/19/25	HQN
Dieldrin	ND		ug/Kg	5.6	3.4	1	371611	05/17/25	05/19/25	HQN
4,4'-DDE	ND		ug/Kg	5.6	3.6	1	371611	05/17/25	05/19/25	HQN
Endrin	ND		ug/Kg	5.6	2.3	1	371611	05/17/25	05/19/25	HQN
Endosulfan II	ND		ug/Kg	5.6	2.3	1	371611	05/17/25	05/19/25	HQN
Endosulfan sulfate	ND		ug/Kg	5.6	3.6	1	371611	05/17/25	05/19/25	HQN
4,4'-DDD	ND		ug/Kg	5.6	1.8	1	371611	05/17/25	05/19/25	HQN

Analysis Results for 533332

533332-032 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.6	4.0	1	371611	05/17/25	05/19/25	HQN
Endrin ketone	ND		ug/Kg	5.6	2.3	1	371611	05/17/25	05/19/25	HQN
4,4'-DDT	ND		ug/Kg	5.6	2.3	1	371611	05/17/25	05/19/25	HQN
Methoxychlor	ND		ug/Kg	11	4.3	1	371611	05/17/25	05/19/25	HQN
Toxaphene	ND		ug/Kg	110	77	1	371611	05/17/25	05/19/25	HQN
Chlordane (Technical)	ND		ug/Kg	56	41	1	371611	05/17/25	05/19/25	HQN
Surrogates			Limits							
TCMX	116%		%REC	23-120		1	371611	05/17/25	05/19/25	HQN
Decachlorobiphenyl	107%		%REC	24-120		1	371611	05/17/25	05/19/25	HQN

Method: EPA 8082

Prep Method: EPA 3546

Aroclor-1016	ND		ug/Kg	56	27	1	371611	05/17/25	05/19/25	HQN
Aroclor-1221	ND		ug/Kg	56	35	1	371611	05/17/25	05/19/25	HQN
Aroclor-1232	ND		ug/Kg	56	22	1	371611	05/17/25	05/19/25	HQN
Aroclor-1242	ND		ug/Kg	56	28	1	371611	05/17/25	05/19/25	HQN
Aroclor-1248	ND		ug/Kg	56	33	1	371611	05/17/25	05/19/25	HQN
Aroclor-1254	ND		ug/Kg	56	36	1	371611	05/17/25	05/19/25	HQN
Aroclor-1260	ND		ug/Kg	56	29	1	371611	05/17/25	05/19/25	HQN
Aroclor-1262	ND		ug/Kg	56	29	1	371611	05/17/25	05/19/25	HQN
Aroclor-1268	ND		ug/Kg	56	33	1	371611	05/17/25	05/19/25	HQN
Total PCBs	ND		ug/Kg	56		1	371611	05/17/25	05/19/25	HQN
Surrogates			Limits							
Decachlorobiphenyl (PCB)	85%		%REC	19-121		1	371611	05/17/25	05/19/25	HQN

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	110	12	10	371651	05/18/25	05/19/25	XLY
2-Methylnaphthalene	ND		ug/Kg	110	16	10	371651	05/18/25	05/19/25	XLY
Naphthalene	ND		ug/Kg	110	18	10	371651	05/18/25	05/19/25	XLY
Acenaphthylene	ND		ug/Kg	110	12	10	371651	05/18/25	05/19/25	XLY
Acenaphthene	ND		ug/Kg	110	8.3	10	371651	05/18/25	05/19/25	XLY
Fluorene	ND		ug/Kg	110	9.3	10	371651	05/18/25	05/19/25	XLY
Phenanthrene	34	J	ug/Kg	110	18	10	371651	05/18/25	05/19/25	XLY
Anthracene	ND		ug/Kg	110	11	10	371651	05/18/25	05/19/25	XLY
Fluoranthene	49	J	ug/Kg	110	16	10	371651	05/18/25	05/19/25	XLY
Pyrene	48	J	ug/Kg	110	36	10	371651	05/18/25	05/19/25	XLY
Benzo(a)anthracene	36	J	ug/Kg	110	8.6	10	371651	05/18/25	05/19/25	XLY
Chrysene	41	J	ug/Kg	110	7.2	10	371651	05/18/25	05/19/25	XLY
Benzo(b)fluoranthene	42	J	ug/Kg	110	9.7	10	371651	05/18/25	05/19/25	XLY
Benzo(k)fluoranthene	ND		ug/Kg	110	15	10	371651	05/18/25	05/19/25	XLY
Benzo(a)pyrene	27	J	ug/Kg	110	17	10	371651	05/18/25	05/19/25	XLY
Indeno(1,2,3-cd)pyrene	19	J	ug/Kg	110	11	10	371651	05/18/25	05/19/25	XLY
Dibenz(a,h)anthracene	ND		ug/Kg	110	11	10	371651	05/18/25	05/19/25	XLY
Benzo(g,h,i)perylene	20	J	ug/Kg	110	14	10	371651	05/18/25	05/19/25	XLY
Surrogates			Limits							
Nitrobenzene-d5	53%		%REC	27-125		10	371651	05/18/25	05/19/25	XLY
2-Fluorobiphenyl	52%		%REC	30-120		10	371651	05/18/25	05/19/25	XLY
Terphenyl-d14	54%		%REC	33-155		10	371651	05/18/25	05/19/25	XLY

Analysis Results for 533332

Sample ID: COMP-25
Lab ID: 533332-038
Collected: 05/16/25
Matrix: Soil
Basis: Dry

533332-038 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	11		%	1		1	371738	05/19/25	05/19/25	CDR
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.2	1.6	0.96	371622	05/17/25	05/18/25	KCD
Arsenic	7.5		mg/Kg	1.1	0.68	0.96	371622	05/17/25	05/18/25	KCD
Barium	120		mg/Kg	1.1	0.34	0.96	371622	05/17/25	05/18/25	KCD
Beryllium	0.45	J	mg/Kg	0.54	0.036	0.96	371622	05/17/25	05/18/25	KCD
Cadmium	0.43	J	mg/Kg	0.54	0.12	0.96	371622	05/17/25	05/18/25	KCD
Chromium	25		mg/Kg	1.1	0.30	0.96	371622	05/17/25	05/18/25	KCD
Cobalt	17		mg/Kg	0.54	0.29	0.96	371622	05/17/25	05/18/25	KCD
Copper	41		mg/Kg	1.1	0.78	0.96	371622	05/17/25	05/18/25	KCD
Lead	13		mg/Kg	1.1	0.81	0.96	371622	05/17/25	05/18/25	KCD
Molybdenum	2.2		mg/Kg	1.1	0.61	0.96	371622	05/17/25	05/18/25	KCD
Nickel	25		mg/Kg	1.1	0.34	0.96	371622	05/17/25	05/18/25	KCD
Selenium	ND		mg/Kg	3.2	1.3	0.96	371622	05/17/25	05/18/25	KCD
Silver	ND		mg/Kg	0.54	0.18	0.96	371622	05/17/25	05/18/25	KCD
Thallium	ND		mg/Kg	3.2	1.2	0.96	371622	05/17/25	05/18/25	KCD
Vanadium	45		mg/Kg	1.1	0.17	0.96	371622	05/17/25	05/18/25	KCD
Zinc	120		mg/Kg	5.4	2.5	0.96	371622	05/17/25	05/18/25	KCD
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	0.069	J	mg/Kg	0.16	0.060	1	371628	05/17/25	05/18/25	KCD
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	56	6.0	5	371651	05/18/25	05/19/25	XLY
2-Methylnaphthalene	ND		ug/Kg	56	8.0	5	371651	05/18/25	05/19/25	XLY
Naphthalene	ND		ug/Kg	56	8.9	5	371651	05/18/25	05/19/25	XLY
Acenaphthylene	ND		ug/Kg	56	6.3	5	371651	05/18/25	05/19/25	XLY
Acenaphthene	ND		ug/Kg	56	4.2	5	371651	05/18/25	05/19/25	XLY
Fluorene	ND		ug/Kg	56	4.7	5	371651	05/18/25	05/19/25	XLY
Phenanthrene	ND		ug/Kg	56	9.3	5	371651	05/18/25	05/19/25	XLY
Anthracene	ND		ug/Kg	56	5.5	5	371651	05/18/25	05/19/25	XLY
Fluoranthene	ND		ug/Kg	56	8.1	5	371651	05/18/25	05/19/25	XLY
Pyrene	ND		ug/Kg	56	18	5	371651	05/18/25	05/19/25	XLY
Benzo(a)anthracene	ND		ug/Kg	56	4.4	5	371651	05/18/25	05/19/25	XLY
Chrysene	ND		ug/Kg	56	3.7	5	371651	05/18/25	05/19/25	XLY
Benzo(b)fluoranthene	ND		ug/Kg	56	4.9	5	371651	05/18/25	05/19/25	XLY
Benzo(k)fluoranthene	ND		ug/Kg	56	7.5	5	371651	05/18/25	05/19/25	XLY
Benzo(a)pyrene	ND		ug/Kg	56	8.4	5	371651	05/18/25	05/19/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	56	5.4	5	371651	05/18/25	05/19/25	XLY
Dibenz(a,h)anthracene	ND		ug/Kg	56	5.8	5	371651	05/18/25	05/19/25	XLY
Benzo(g,h,i)perylene	ND		ug/Kg	56	7.0	5	371651	05/18/25	05/19/25	XLY
Surrogates				Limits						
Nitrobenzene-d5	74%		%REC	27-125		5	371651	05/18/25	05/19/25	XLY
2-Fluorobiphenyl	75%		%REC	30-120		5	371651	05/18/25	05/19/25	XLY

Analysis Results for 533332

533332-038 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Terphenyl-d14	79%		%REC	33-155		5	371651	05/18/25	05/19/25	XLY

Analysis Results for 533332

Sample ID: TB-250516
Lab ID: 533332-039
Collected: 05/16/25
Matrix: Water

533332-039 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	0.6	1	371798	05/20/25	05/20/25	TCN
Freon 12	ND		ug/L	5.0	0.3	1	371798	05/20/25	05/20/25	TCN
Chloromethane	ND		ug/L	5.0	0.4	1	371798	05/20/25	05/20/25	TCN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Bromomethane	ND		ug/L	5.0	0.8	1	371798	05/20/25	05/20/25	TCN
Chloroethane	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Acetone	ND		ug/L	100	17	1	371798	05/20/25	05/20/25	TCN
Freon 113	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Methylene Chloride	ND		ug/L	5.0	3.5	1	371798	05/20/25	05/20/25	TCN
MTBE	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
2-Butanone	ND		ug/L	100	2.0	1	371798	05/20/25	05/20/25	TCN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
Chloroform	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Bromochloromethane	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
Benzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Trichloroethene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Bromodichloromethane	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Dibromomethane	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	371798	05/20/25	05/20/25	TCN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Toluene	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
Tetrachloroethene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
Chlorobenzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
Ethylbenzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
m,p-Xylenes	ND		ug/L	10	0.2	1	371798	05/20/25	05/20/25	TCN
o-Xylene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Styrene	ND		ug/L	5.0	0.08	1	371798	05/20/25	05/20/25	TCN
Bromoform	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
Isopropylbenzene	ND		ug/L	5.0	0.09	1	371798	05/20/25	05/20/25	TCN

Analysis Results for 533332

533332-039 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
Propylbenzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
Bromobenzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	371798	05/20/25	05/20/25	TCN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
n-Butylbenzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	371798	05/20/25	05/20/25	TCN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
Naphthalene	ND		ug/L	5.0	0.3	1	371798	05/20/25	05/20/25	TCN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	371798	05/20/25	05/20/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	371798	05/20/25	05/20/25	TCN
Xylene (total)	ND		ug/L	5.0		1	371798	05/20/25	05/20/25	TCN
Surrogates	Limits									
Dibromofluoromethane	100%		%REC	70-130		1	371798	05/20/25	05/20/25	TCN
1,2-Dichloroethane-d4	119%		%REC	70-130		1	371798	05/20/25	05/20/25	TCN
Toluene-d8	93%		%REC	70-130		1	371798	05/20/25	05/20/25	TCN
Bromofluorobenzene	97%		%REC	70-130		1	371798	05/20/25	05/20/25	TCN

J Estimated value
ND Not Detected

Batch QC

Type: Sample Duplicate	Lab ID: QC1258610	Batch: 371738
Matrix (Source ID): Soil (533274-002)	Method: ASTM D2216	Prep Method: METHOD

QC1258610 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	6.432	6.149	%		4	20		1

Type: Sample Duplicate	Lab ID: QC1261601	Batch: 372593
Matrix (Source ID): Soil (533332-031)	Method: ASTM D2216	Prep Method: METHOD

QC1261601 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	7.339	6.728	%		9	20		1

Type: Blank	Lab ID: QC1262620	Batch: 372882
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3015A

QC1262620 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.015	0.0062	06/03/25	06/03/25

Type: Lab Control Sample	Lab ID: QC1262621	Batch: 372882
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3015A

QC1262621 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	1.829	2.000	mg/L	91%		80-120

Type: Matrix Spike	Lab ID: QC1262622	Batch: 372882
Matrix (Source ID): TCLP Leachate (534190-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1262622 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	1.830	0.03233	2.000	mg/L	90%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1262623	Batch: 372882
Matrix (Source ID): TCLP Leachate (534190-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1262623 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	1.800	0.03233	2.000	mg/L	88%		75-125	2	20	1

Batch QC

Type: Serial Dilution	Lab ID: QC1262647	Batch: 372882
Matrix (Source ID): TCLP Leachate (533332-027)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1262647 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	ND	0.02703	mg/L				5

Type: Blank	Lab ID: QC1262314	Batch: 372789
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1262314 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.15	0.051	06/02/25	06/02/25

Type: Lab Control Sample	Lab ID: QC1262315	Batch: 372789
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1262315 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	4.148	4.000	mg/L	104%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1262316	Batch: 372789
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1262316 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Lead	4.080	4.000	mg/L	102%		80-120	2	20

Type: Serial Dilution	Lab ID: QC1262321	Batch: 372789
Matrix (Source ID): WET Leachate (533332-027)	Method: EPA 6010B	Prep Method: METHOD

QC1262321 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	1.222	1.262	mg/L				50

Batch QC

Type: Blank	Lab ID: QC1261402	Batch: 372528
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1261402 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.5	05/29/25	05/29/25
Arsenic	ND		mg/Kg	1.0	0.63	05/29/25	05/29/25
Barium	ND		mg/Kg	1.0	0.32	05/29/25	05/29/25
Beryllium	ND		mg/Kg	0.50	0.034	05/29/25	05/29/25
Cadmium	ND		mg/Kg	0.50	0.11	05/29/25	05/29/25
Chromium	ND		mg/Kg	1.0	0.28	05/29/25	05/29/25
Cobalt	ND		mg/Kg	0.50	0.27	05/29/25	05/29/25
Copper	ND		mg/Kg	1.0	0.72	05/29/25	05/29/25
Lead	ND		mg/Kg	1.0	0.75	05/29/25	05/29/25
Molybdenum	ND		mg/Kg	1.0	0.57	05/29/25	05/29/25
Nickel	ND		mg/Kg	1.0	0.31	05/29/25	05/29/25
Selenium	ND		mg/Kg	3.0	1.2	05/29/25	05/29/25
Silver	ND		mg/Kg	0.50	0.17	05/29/25	05/29/25
Thallium	ND		mg/Kg	3.0	1.1	05/29/25	05/29/25
Vanadium	ND		mg/Kg	1.0	0.16	05/29/25	05/29/25
Zinc	ND		mg/Kg	5.0	2.3	05/29/25	05/29/25

Type: Lab Control Sample	Lab ID: QC1261403	Batch: 372528
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1261403 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	97.93	100.0	mg/Kg	98%		80-120
Arsenic	95.81	100.0	mg/Kg	96%		80-120
Barium	100.9	100.0	mg/Kg	101%		80-120
Beryllium	99.35	100.0	mg/Kg	99%		80-120
Cadmium	100.5	100.0	mg/Kg	101%		80-120
Chromium	97.85	100.0	mg/Kg	98%		80-120
Cobalt	101.3	100.0	mg/Kg	101%		80-120
Copper	96.54	100.0	mg/Kg	97%		80-120
Lead	102.2	100.0	mg/Kg	102%		80-120
Molybdenum	93.60	100.0	mg/Kg	94%		80-120
Nickel	102.2	100.0	mg/Kg	102%		80-120
Selenium	95.26	100.0	mg/Kg	95%		80-120
Silver	46.90	50.00	mg/Kg	94%		80-120
Thallium	100.1	100.0	mg/Kg	100%		80-120
Vanadium	95.80	100.0	mg/Kg	96%		80-120
Zinc	100.9	100.0	mg/Kg	101%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC1261404	Batch: 372528
Matrix (Source ID): Soil (533332-027)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1261404 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	34.60	ND	100.0	mg/Kg	35%	*	75-125	1
Arsenic	101.7	6.192	100.0	mg/Kg	95%		75-125	1
Barium	182.4	75.97	100.0	mg/Kg	106%		75-125	1
Beryllium	96.45	0.3781	100.0	mg/Kg	96%		75-125	1
Cadmium	96.11	1.014	100.0	mg/Kg	95%		75-125	1
Chromium	134.6	33.12	100.0	mg/Kg	102%		75-125	1
Cobalt	102.5	6.476	100.0	mg/Kg	96%		75-125	1
Copper	145.5	36.82	100.0	mg/Kg	109%		75-125	1
Lead	462.4	161.9	100.0	mg/Kg	301%	*	75-125	1
Molybdenum	89.53	1.448	100.0	mg/Kg	88%		75-125	1
Nickel	112.3	14.57	100.0	mg/Kg	98%		75-125	1
Selenium	95.03	ND	100.0	mg/Kg	95%		75-125	1
Silver	45.59	0.3481	50.00	mg/Kg	90%		75-125	1
Thallium	94.33	ND	100.0	mg/Kg	94%		75-125	1
Vanadium	135.6	35.00	100.0	mg/Kg	101%		75-125	1
Zinc	522.5	355.5	100.0	mg/Kg	167%	*	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1261405	Batch: 372528
Matrix (Source ID): Soil (533332-027)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1261405 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	35.59	ND	98.04	mg/Kg	36%	*	75-125	5	41	0.98
Arsenic	98.26	6.192	98.04	mg/Kg	94%		75-125	2	35	0.98
Barium	178.5	75.97	98.04	mg/Kg	105%		75-125	1	20	0.98
Beryllium	94.72	0.3781	98.04	mg/Kg	96%		75-125	0	20	0.98
Cadmium	93.70	1.014	98.04	mg/Kg	95%		75-125	1	20	0.98
Chromium	128.7	33.12	98.04	mg/Kg	97%		75-125	3	20	0.98
Cobalt	99.70	6.476	98.04	mg/Kg	95%		75-125	1	20	0.98
Copper	139.4	36.82	98.04	mg/Kg	105%		75-125	3	20	0.98
Lead	263.0	161.9	98.04	mg/Kg	103%		75-125	54*	20	0.98
Molybdenum	88.52	1.448	98.04	mg/Kg	89%		75-125	1	20	0.98
Nickel	109.4	14.57	98.04	mg/Kg	97%		75-125	1	20	0.98
Selenium	91.47	ND	98.04	mg/Kg	93%		75-125	2	20	0.98
Silver	44.51	0.3481	49.02	mg/Kg	90%		75-125	0	20	0.98
Thallium	92.64	ND	98.04	mg/Kg	94%		75-125	0	20	0.98
Vanadium	130.1	35.00	98.04	mg/Kg	97%		75-125	3	20	0.98
Zinc	478.2	355.5	98.04	mg/Kg	125%		75-125	8	20	0.98

Batch QC

Type: Post Digest Spike	Lab ID: QC1261406	Batch: 372528
Matrix (Source ID): Soil (533332-027)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1261406 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	104.2	ND	100.0	mg/Kg	104%		75-125	1
Arsenic	109.6	6.192	100.0	mg/Kg	103%		75-125	1
Barium	179.4	75.97	100.0	mg/Kg	103%		75-125	1
Beryllium	104.8	0.3781	100.0	mg/Kg	104%		75-125	1
Cadmium	104.6	1.014	100.0	mg/Kg	104%		75-125	1
Chromium	133.7	33.12	100.0	mg/Kg	101%		75-125	1
Cobalt	110.3	6.476	100.0	mg/Kg	104%		75-125	1
Copper	141.4	36.82	100.0	mg/Kg	105%		75-125	1
Lead	263.6	161.9	100.0	mg/Kg	102%		75-125	1
Molybdenum	101.8	1.448	100.0	mg/Kg	100%		75-125	1
Nickel	118.3	14.57	100.0	mg/Kg	104%		75-125	1
Selenium	106.0	ND	100.0	mg/Kg	106%		75-125	1
Silver	50.62	0.3481	50.00	mg/Kg	101%		75-125	1
Thallium	104.2	ND	100.0	mg/Kg	104%		75-125	1
Vanadium	136.0	35.00	100.0	mg/Kg	101%		75-125	1
Zinc	452.4	355.5	100.0	mg/Kg	97%		75-125	1

Type: Serial Dilution	Lab ID: QC1261407	Batch: 372528
Matrix (Source ID): Soil (533332-027)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1261407 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	ND	mg/Kg				5
Arsenic	7.690	6.192	mg/Kg				5
Barium	83.81	75.97	mg/Kg				5
Beryllium	0.4036	0.3781	mg/Kg	J			5
Cadmium	0.9963	1.014	mg/Kg	J			5
Chromium	36.34	33.12	mg/Kg				5
Cobalt	7.767	6.476	mg/Kg				5
Copper	39.03	36.82	mg/Kg				5
Lead	181.4	161.9	mg/Kg				5
Molybdenum	ND	1.448	mg/Kg				5
Nickel	16.10	14.57	mg/Kg				5
Selenium	ND	ND	mg/Kg				5
Silver	ND	0.3481	mg/Kg				5
Thallium	ND	ND	mg/Kg				5
Vanadium	38.09	35.00	mg/Kg				5
Zinc	407.0	355.5	mg/Kg				5

Batch QC

Type: Blank	Lab ID: QC1258243	Batch: 371622
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1258243 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.5	05/17/25	05/18/25
Arsenic	ND		mg/Kg	1.0	0.63	05/17/25	05/18/25
Barium	ND		mg/Kg	1.0	0.32	05/17/25	05/18/25
Beryllium	ND		mg/Kg	0.50	0.034	05/17/25	05/18/25
Cadmium	ND		mg/Kg	0.50	0.11	05/17/25	05/18/25
Chromium	ND		mg/Kg	1.0	0.28	05/17/25	05/18/25
Cobalt	ND		mg/Kg	0.50	0.27	05/17/25	05/18/25
Copper	ND		mg/Kg	1.0	0.72	05/17/25	05/18/25
Lead	ND		mg/Kg	1.0	0.75	05/17/25	05/18/25
Molybdenum	ND		mg/Kg	1.0	0.57	05/17/25	05/18/25
Nickel	0.48	J	mg/Kg	1.0	0.31	05/17/25	05/18/25
Selenium	ND		mg/Kg	3.0	1.2	05/17/25	05/18/25
Silver	ND		mg/Kg	0.50	0.17	05/17/25	05/18/25
Thallium	ND		mg/Kg	3.0	1.1	05/17/25	05/18/25
Vanadium	ND		mg/Kg	1.0	0.16	05/17/25	05/18/25
Zinc	ND		mg/Kg	5.0	2.3	05/17/25	05/18/25

Type: Lab Control Sample	Lab ID: QC1258244	Batch: 371622
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1258244 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	99.46	100.0	mg/Kg	99%		80-120
Arsenic	94.10	100.0	mg/Kg	94%		80-120
Barium	102.7	100.0	mg/Kg	103%		80-120
Beryllium	101.2	100.0	mg/Kg	101%		80-120
Cadmium	100.1	100.0	mg/Kg	100%		80-120
Chromium	99.25	100.0	mg/Kg	99%		80-120
Cobalt	101.6	100.0	mg/Kg	102%		80-120
Copper	98.86	100.0	mg/Kg	99%		80-120
Lead	103.0	100.0	mg/Kg	103%		80-120
Molybdenum	95.68	100.0	mg/Kg	96%		80-120
Nickel	102.4	100.0	mg/Kg	102%		80-120
Selenium	92.36	100.0	mg/Kg	92%		80-120
Silver	47.38	50.00	mg/Kg	95%		80-120
Thallium	99.75	100.0	mg/Kg	100%		80-120
Vanadium	98.34	100.0	mg/Kg	98%		80-120
Zinc	99.65	100.0	mg/Kg	100%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC1258245	Batch: 371622
Matrix (Source ID): Miscell. (533326-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1258245 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	39.73	2.300	97.09	mg/Kg	39%	*	75-125	0.97
Arsenic	83.60	3.491	97.09	mg/Kg	83%		75-125	0.97
Barium	147.0	55.67	97.09	mg/Kg	94%		75-125	0.97
Beryllium	89.22	1.025	97.09	mg/Kg	91%		75-125	0.97
Cadmium	84.16	ND	97.09	mg/Kg	87%		75-125	0.97
Chromium	89.81	6.220	97.09	mg/Kg	86%		75-125	0.97
Cobalt	91.00	3.239	97.09	mg/Kg	90%		75-125	0.97
Copper	96.44	8.713	97.09	mg/Kg	90%		75-125	0.97
Lead	88.62	2.176	97.09	mg/Kg	89%		75-125	0.97
Molybdenum	73.84	0.7661	97.09	mg/Kg	75%		75-125	0.97
Nickel	96.06	8.485	97.09	mg/Kg	90%		75-125	0.97
Selenium	84.15	1.266	97.09	mg/Kg	85%		75-125	0.97
Silver	38.68	ND	48.54	mg/Kg	80%		75-125	0.97
Thallium	73.22	ND	97.09	mg/Kg	75%		75-125	0.97
Vanadium	100.0	13.33	97.09	mg/Kg	89%		75-125	0.97
Zinc	178.3	97.92	97.09	mg/Kg	83%		75-125	0.97

Type: Matrix Spike Duplicate	Lab ID: QC1258246	Batch: 371622
Matrix (Source ID): Miscell. (533326-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1258246 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	39.72	2.300	95.24	mg/Kg	39%	*	75-125	2	41	0.95
Arsenic	82.56	3.491	95.24	mg/Kg	83%		75-125	1	35	0.95
Barium	145.5	55.67	95.24	mg/Kg	94%		75-125	0	20	0.95
Beryllium	88.33	1.025	95.24	mg/Kg	92%		75-125	1	20	0.95
Cadmium	83.27	ND	95.24	mg/Kg	87%		75-125	1	20	0.95
Chromium	88.77	6.220	95.24	mg/Kg	87%		75-125	1	20	0.95
Cobalt	89.58	3.239	95.24	mg/Kg	91%		75-125	0	20	0.95
Copper	95.30	8.713	95.24	mg/Kg	91%		75-125	1	20	0.95
Lead	87.67	2.176	95.24	mg/Kg	90%		75-125	1	20	0.95
Molybdenum	72.87	0.7661	95.24	mg/Kg	76%		75-125	1	20	0.95
Nickel	94.48	8.485	95.24	mg/Kg	90%		75-125	0	20	0.95
Selenium	82.88	1.266	95.24	mg/Kg	86%		75-125	0	20	0.95
Silver	38.15	ND	47.62	mg/Kg	80%		75-125	1	20	0.95
Thallium	72.34	ND	95.24	mg/Kg	76%		75-125	1	20	0.95
Vanadium	99.33	13.33	95.24	mg/Kg	90%		75-125	1	20	0.95
Zinc	176.8	97.92	95.24	mg/Kg	83%		75-125	0	20	0.95

Batch QC

Type: Post Digest Spike	Lab ID: QC1258247	Batch: 371622
Matrix (Source ID): Miscell. (533326-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1258247 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	93.49	2.300	95.24	mg/Kg	96%		75-125	0.95
Arsenic	90.59	3.491	95.24	mg/Kg	91%		75-125	0.95
Barium	147.5	55.67	95.24	mg/Kg	96%		75-125	0.95
Beryllium	94.84	1.025	95.24	mg/Kg	99%		75-125	0.95
Cadmium	91.89	ND	95.24	mg/Kg	96%		75-125	0.95
Chromium	96.14	6.220	95.24	mg/Kg	94%		75-125	0.95
Cobalt	95.71	3.239	95.24	mg/Kg	97%		75-125	0.95
Copper	101.5	8.713	95.24	mg/Kg	97%		75-125	0.95
Lead	95.38	2.176	95.24	mg/Kg	98%		75-125	0.95
Molybdenum	89.46	0.7661	95.24	mg/Kg	93%		75-125	0.95
Nickel	101.6	8.485	95.24	mg/Kg	98%		75-125	0.95
Selenium	92.16	1.266	95.24	mg/Kg	95%		75-125	0.95
Silver	43.67	ND	47.62	mg/Kg	92%		75-125	0.95
Thallium	91.53	ND	95.24	mg/Kg	96%		75-125	0.95
Vanadium	103.7	13.33	95.24	mg/Kg	95%		75-125	0.95
Zinc	186.3	97.92	95.24	mg/Kg	93%		75-125	0.95

Type: Serial Dilution	Lab ID: QC1258319	Batch: 371622
Matrix (Source ID): Miscell. (533326-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1258319 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	2.300	mg/Kg				4.8
Arsenic	5.413	3.491	mg/Kg				4.8
Barium	56.40	55.67	mg/Kg				4.8
Beryllium	1.004	1.025	mg/Kg	J			4.8
Cadmium	ND	ND	mg/Kg				4.8
Chromium	6.290	6.220	mg/Kg				4.8
Cobalt	3.312	3.239	mg/Kg				4.8
Copper	8.804	8.713	mg/Kg				4.8
Lead	ND	2.176	mg/Kg				4.8
Molybdenum	ND	0.7661	mg/Kg				4.8
Nickel	8.761	8.485	mg/Kg				4.8
Selenium	ND	1.266	mg/Kg				4.8
Silver	ND	ND	mg/Kg				4.8
Thallium	ND	ND	mg/Kg				4.8
Vanadium	13.43	13.33	mg/Kg				4.8
Zinc	100.2	97.92	mg/Kg				4.8

Type: Blank	Lab ID: QC1258266	Batch: 371628
Matrix: Miscell.	Method: EPA 7471A	Prep Method: EPA 7471A

QC1258266 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.051	05/17/25	05/18/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1258267	Batch: 371628
Matrix: Miscell.	Method: EPA 7471A	Prep Method: EPA 7471A

QC1258267 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8076	0.8333	mg/Kg	97%		80-120

Type: Matrix Spike	Lab ID: QC1258268	Batch: 371628
Matrix (Source ID): Soil (533301-001)	Method: EPA 7471A	Prep Method: EPA 7471A
		Basis: Dry

QC1258268 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9562	ND	0.9470	mg/Kg	101%		75-125	1.1

Type: Matrix Spike Duplicate	Lab ID: QC1258269	Batch: 371628
Matrix (Source ID): Soil (533301-001)	Method: EPA 7471A	Prep Method: EPA 7471A
		Basis: Dry

QC1258269 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.9325	ND	0.9301	mg/Kg	100%		75-125	1	20	1.1

Type: Blank	Lab ID: QC1258253	Batch: 371614
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580M

QC1258253 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	10	3.7	05/17/25	05/17/25
DRO C10-C28	ND		mg/Kg	10	3.7	05/17/25	05/17/25
ORO C28-C44	ND		mg/Kg	20	3.7	05/17/25	05/17/25
Surrogates	Limits						
n-Triacontane	109%		%REC	70-130		05/17/25	05/17/25

Type: Lab Control Sample	Lab ID: QC1258254	Batch: 371614
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580M

QC1258254 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	208.9	248.3	mg/Kg	84%		76-122
Surrogates						
n-Triacontane	10.18	9.930	mg/Kg	103%		70-130

Batch QC

Type: Matrix Spike	Lab ID: QC1258255	Batch: 371614
Matrix (Source ID): Soil (533166-001)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1258255 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	210.5	8.025	249.4	mg/Kg	81%		62-126	1
Surrogates								
n-Triacontane	10.47		9.975	mg/Kg	105%		70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1258256	Batch: 371614
Matrix (Source ID): Soil (533166-001)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1258256 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	211.1	8.025	248.0	mg/Kg	82%		62-126	1	35	0.99
Surrogates										
n-Triacontane	11.34		9.921	mg/Kg	114%		70-130			0.99

Batch QC

Type: Blank
Matrix: Soil

Lab ID: QC1258206

Batch: 371611

QC1258206 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.1	2.0	05/17/25	05/18/25
beta-BHC	ND		ug/Kg	5.1	2.0	05/17/25	05/18/25
gamma-BHC	ND		ug/Kg	5.1	1.7	05/17/25	05/18/25
delta-BHC	ND		ug/Kg	5.1	2.4	05/17/25	05/18/25
Heptachlor	ND		ug/Kg	5.1	2.0	05/17/25	05/18/25
Aldrin	ND		ug/Kg	5.1	2.3	05/17/25	05/18/25
Heptachlor epoxide	ND		ug/Kg	5.1	2.2	05/17/25	05/18/25
Endosulfan I	ND		ug/Kg	5.1	2.3	05/17/25	05/18/25
Dieldrin	ND		ug/Kg	5.1	3.1	05/17/25	05/18/25
4,4'-DDE	ND		ug/Kg	5.1	3.2	05/17/25	05/18/25
Endrin	ND		ug/Kg	5.1	2.1	05/17/25	05/18/25
Endosulfan II	ND		ug/Kg	5.1	2.1	05/17/25	05/18/25
Endosulfan sulfate	ND		ug/Kg	5.1	3.3	05/17/25	05/18/25
4,4'-DDD	ND		ug/Kg	5.1	1.6	05/17/25	05/18/25
Endrin aldehyde	ND		ug/Kg	5.1	3.6	05/17/25	05/18/25
Endrin ketone	ND		ug/Kg	5.1	2.1	05/17/25	05/18/25
4,4'-DDT	ND		ug/Kg	5.1	2.1	05/17/25	05/18/25
Methoxychlor	ND		ug/Kg	10	3.9	05/17/25	05/18/25
Toxaphene	ND		ug/Kg	100	70	05/17/25	05/18/25
Chlordane (Technical)	ND		ug/Kg	51	38	05/17/25	05/18/25
Surrogates				Limits			
TCMX	91%		%REC	23-120		05/17/25	05/18/25
Decachlorobiphenyl	94%		%REC	24-120		05/17/25	05/18/25
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	51	25	05/17/25	05/18/25
Aroclor-1221	ND		ug/Kg	51	32	05/17/25	05/18/25
Aroclor-1232	ND		ug/Kg	51	20	05/17/25	05/18/25
Aroclor-1242	ND		ug/Kg	51	25	05/17/25	05/18/25
Aroclor-1248	ND		ug/Kg	51	30	05/17/25	05/18/25
Aroclor-1254	ND		ug/Kg	51	33	05/17/25	05/18/25
Aroclor-1260	ND		ug/Kg	51	26	05/17/25	05/18/25
Aroclor-1262	ND		ug/Kg	51	26	05/17/25	05/18/25
Aroclor-1268	ND		ug/Kg	51	30	05/17/25	05/18/25
Total PCBs	ND		ug/Kg	51		05/17/25	05/18/25
Surrogates				Limits			
Decachlorobiphenyl (PCB)	91%		%REC	19-121		05/17/25	05/18/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1258207	Batch: 371611
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546

QC1258207 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	44.39	49.02	ug/Kg	91%		22-129
beta-BHC	45.27	49.02	ug/Kg	92%		28-125
gamma-BHC	46.32	49.02	ug/Kg	95%		22-128
delta-BHC	46.46	49.02	ug/Kg	95%		24-131
Heptachlor	44.29	49.02	ug/Kg	90%		18-124
Aldrin	40.82	49.02	ug/Kg	83%		23-120
Heptachlor epoxide	44.53	49.02	ug/Kg	91%		26-120
Endosulfan I	47.97	49.02	ug/Kg	98%		25-126
Dieldrin	48.33	49.02	ug/Kg	99%		23-124
4,4'-DDE	50.78	49.02	ug/Kg	104%		28-121
Endrin	51.24	49.02	ug/Kg	105%		25-127
Endosulfan II	48.80	49.02	ug/Kg	100%		29-121
Endosulfan sulfate	47.55	49.02	ug/Kg	97%		30-121
4,4'-DDD	48.54	49.02	ug/Kg	99%		26-120
Endrin aldehyde	38.41	49.02	ug/Kg	78%		10-120
Endrin ketone	48.69	49.02	ug/Kg	99%		28-125
4,4'-DDT	47.72	49.02	ug/Kg	97%		22-125
Methoxychlor	49.76	49.02	ug/Kg	102%		28-130
Surrogates						
TCMX	42.93	49.02	ug/Kg	88%		23-120
Decachlorobiphenyl	47.61	49.02	ug/Kg	97%		24-120

Batch QC

Type: Matrix Spike	Lab ID: QC1258208	Batch: 371611
Matrix (Source ID): Soil (533347-001)	Method: EPA 8081A	Prep Method: EPA 3546

QC1258208 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	38.71	ND	50.51	ug/Kg	77%		46-120	2
beta-BHC	38.01	ND	50.51	ug/Kg	75%		41-120	2
gamma-BHC	38.86	ND	50.51	ug/Kg	77%		41-120	2
delta-BHC	35.27	ND	50.51	ug/Kg	70%		38-123	2
Heptachlor	30.01	ND	50.51	ug/Kg	59%		39-120	2
Aldrin	38.61	ND	50.51	ug/Kg	76%		34-120	2
Heptachlor epoxide	37.89	ND	50.51	ug/Kg	75%		43-120	2
Endosulfan I	42.82	ND	50.51	ug/Kg	85%		45-120	2
Dieldrin	38.27	ND	50.51	ug/Kg	76%		45-120	2
4,4'-DDE	52.42	14.67	50.51	ug/Kg	75%		34-120	2
Endrin	46.07	ND	50.51	ug/Kg	91%		40-120	2
Endosulfan II	49.70	ND	50.51	ug/Kg	98%		41-120	2
Endosulfan sulfate	35.34	ND	50.51	ug/Kg	70%		42-120	2
4,4'-DDD	45.27	ND	50.51	ug/Kg	90%		41-120	2
Endrin aldehyde	28.60	ND	50.51	ug/Kg	57%		30-120	2
Endrin ketone	41.88	ND	50.51	ug/Kg	83%		45-120	2
4,4'-DDT	31.32	ND	50.51	ug/Kg	62%		35-127	2
Methoxychlor	35.67	ND	50.51	ug/Kg	71%		42-136	2
Surrogates								
TCMX	42.90		50.51	ug/Kg	85%		23-120	2
Decachlorobiphenyl	48.95		50.51	ug/Kg	97%		24-120	2

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1258209	Batch: 371611
Matrix (Source ID): Soil (533347-001)	Method: EPA 8081A	Prep Method: EPA 3546

QC1258209 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	38.30	ND	49.02	ug/Kg	78%		46-120	2	30	2
beta-BHC	38.92	ND	49.02	ug/Kg	79%		41-120	5	30	2
gamma-BHC	39.78	ND	49.02	ug/Kg	81%		41-120	5	30	2
delta-BHC	37.76	ND	49.02	ug/Kg	77%		38-123	10	30	2
Heptachlor	32.90	ND	49.02	ug/Kg	67%		39-120	12	30	2
Aldrin	37.71	ND	49.02	ug/Kg	77%		34-120	1	30	2
Heptachlor epoxide	36.46	ND	49.02	ug/Kg	74%		43-120	1	30	2
Endosulfan I	42.59	ND	49.02	ug/Kg	87%		45-120	2	30	2
Dieldrin	36.78	ND	49.02	ug/Kg	75%		45-120	1	30	2
4,4'-DDE	51.13	14.67	49.02	ug/Kg	74%		34-120	0	30	2
Endrin	45.56	ND	49.02	ug/Kg	93%		40-120	2	30	2
Endosulfan II	44.27	ND	49.02	ug/Kg	90%		41-120	9	30	2
Endosulfan sulfate	37.74	ND	49.02	ug/Kg	77%		42-120	10	30	2
4,4'-DDD	38.12	ND	49.02	ug/Kg	78%		41-120	14	30	2
Endrin aldehyde	27.81	ND	49.02	ug/Kg	57%		30-120	0	30	2
Endrin ketone	39.41	ND	49.02	ug/Kg	80%		45-120	3	30	2
4,4'-DDT	47.57	ND	49.02	ug/Kg	97%		35-127	44*	30	2
Methoxychlor	39.24	ND	49.02	ug/Kg	80%		42-136	12	30	2
Surrogates										
TCMX	44.80		49.02	ug/Kg	91%		23-120			2
Decachlorobiphenyl	46.61		49.02	ug/Kg	95%		24-120			2

Type: Lab Control Sample	Lab ID: QC1258210	Batch: 371611
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1258210 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	440.6	505.1	ug/Kg	87%		14-150
Aroclor-1260	391.0	505.1	ug/Kg	77%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	41.68	50.51	ug/Kg	83%		19-121

Type: Matrix Spike	Lab ID: QC1258214	Batch: 371611
Matrix (Source ID): Soil (533274-001)	Method: EPA 8082	Prep Method: EPA 3546

QC1258214 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	517.4	ND	510.2	ug/Kg	101%		42-127	1
Aroclor-1260	386.1	ND	510.2	ug/Kg	76%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	38.03		51.02	ug/Kg	75%		19-121	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1258215	Batch: 371611
Matrix (Source ID): Soil (533274-001)	Method: EPA 8082	Prep Method: EPA 3546

QC1258215 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	518.1	ND	495.0	ug/Kg	105%		42-127	3	30	0.99
Aroclor-1260	398.0	ND	495.0	ug/Kg	80%		38-130	6	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	39.38		49.50	ug/Kg	80%		19-121			0.99

Type: Lab Control Sample	Lab ID: QC1258821	Batch: 371798
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1258821 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	54.77	50.00	ug/L	110%		70-135
MTBE	53.83	50.00	ug/L	108%		70-130
Benzene	55.38	50.00	ug/L	111%		70-130
Trichloroethene	45.66	50.00	ug/L	91%		70-130
Toluene	47.61	50.00	ug/L	95%		70-130
Chlorobenzene	45.02	50.00	ug/L	90%		70-130
Surrogates						
Dibromofluoromethane	50.63	50.00	ug/L	101%		70-130
1,2-Dichloroethane-d4	57.18	50.00	ug/L	114%		70-130
Toluene-d8	46.08	50.00	ug/L	92%		70-130
Bromofluorobenzene	49.43	50.00	ug/L	99%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1258822	Batch: 371798
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1258822 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	59.49	50.00	ug/L	119%		70-135	8	30
MTBE	60.70	50.00	ug/L	121%		70-130	12	30
Benzene	58.18	50.00	ug/L	116%		70-130	5	30
Trichloroethene	47.50	50.00	ug/L	95%		70-130	4	30
Toluene	50.46	50.00	ug/L	101%		70-130	6	30
Chlorobenzene	47.76	50.00	ug/L	96%		70-130	6	30
Surrogates								
Dibromofluoromethane	49.24	50.00	ug/L	98%		70-130		
1,2-Dichloroethane-d4	56.65	50.00	ug/L	113%		70-130		
Toluene-d8	45.90	50.00	ug/L	92%		70-130		
Bromofluorobenzene	51.13	50.00	ug/L	102%		70-130		

Batch QC

Type: Blank	Lab ID: QC1258826	Batch: 371798
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1258826 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.6	05/20/25	05/20/25
Freon 12	ND		ug/L	5.0	0.3	05/20/25	05/20/25
Chloromethane	ND		ug/L	5.0	0.4	05/20/25	05/20/25
Vinyl Chloride	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Bromomethane	ND		ug/L	5.0	0.8	05/20/25	05/20/25
Chloroethane	ND		ug/L	5.0	0.2	05/20/25	05/20/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Acetone	ND		ug/L	100	17	05/20/25	05/20/25
Freon 113	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Methylene Chloride	ND		ug/L	5.0	3.5	05/20/25	05/20/25
MTBE	ND		ug/L	5.0	0.1	05/20/25	05/20/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	05/20/25	05/20/25
2-Butanone	ND		ug/L	100	2.0	05/20/25	05/20/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	05/20/25	05/20/25
Chloroform	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Bromochloromethane	ND		ug/L	5.0	0.2	05/20/25	05/20/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	05/20/25	05/20/25
Benzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Trichloroethene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Bromodichloromethane	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Dibromomethane	ND		ug/L	5.0	0.2	05/20/25	05/20/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	05/20/25	05/20/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Toluene	ND		ug/L	5.0	0.2	05/20/25	05/20/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	05/20/25	05/20/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	05/20/25	05/20/25
Tetrachloroethene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Dibromochloromethane	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	05/20/25	05/20/25
Chlorobenzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	05/20/25	05/20/25
Ethylbenzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
m,p-Xylenes	ND		ug/L	10	0.2	05/20/25	05/20/25
o-Xylene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Styrene	ND		ug/L	5.0	0.08	05/20/25	05/20/25
Bromoform	ND		ug/L	5.0	0.2	05/20/25	05/20/25
Isopropylbenzene	ND		ug/L	5.0	0.09	05/20/25	05/20/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	05/20/25	05/20/25

Batch QC

QC1258826 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
Bromobenzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	05/20/25	05/20/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	05/20/25	05/20/25
n-Butylbenzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	05/20/25	05/20/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	05/20/25	05/20/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	05/20/25	05/20/25
Naphthalene	ND		ug/L	5.0	0.3	05/20/25	05/20/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	05/20/25	05/20/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	05/20/25	05/20/25
Xylene (total)	ND		ug/L	5.0		05/20/25	05/20/25
Surrogates				Limits			
Dibromofluoromethane	101%		%REC	70-130		05/20/25	05/20/25
1,2-Dichloroethane-d4	119%		%REC	70-130		05/20/25	05/20/25
Toluene-d8	92%		%REC	70-130		05/20/25	05/20/25
Bromofluorobenzene	96%		%REC	70-130		05/20/25	05/20/25

Type: Matrix Spike	Lab ID: QC1259012	Batch: 371798
Matrix (Source ID): Water (533046-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1259012 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	20.57	ND	20.00	ug/L	103%		70-130	1
MTBE	20.62	ND	20.00	ug/L	103%		75-130	1
Benzene	22.64	ND	20.00	ug/L	113%		70-130	1
Trichloroethene	19.31	ND	20.00	ug/L	97%		63-130	1
Toluene	19.68	ND	20.00	ug/L	98%		70-130	1
Chlorobenzene	18.68	ND	20.00	ug/L	93%		70-130	1
Surrogates								
Dibromofluoromethane	49.18		50.00	ug/L	98%		70-130	1
1,2-Dichloroethane-d4	57.90		50.00	ug/L	116%		70-130	1
Toluene-d8	46.34		50.00	ug/L	93%		70-130	1
Bromofluorobenzene	51.24		50.00	ug/L	102%		70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1259013	Batch: 371798
Matrix (Source ID): Water (533046-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1259013 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	19.32	ND	20.00	ug/L	97%		70-130	6	30	1
MTBE	18.95	ND	20.00	ug/L	95%		75-130	8	30	1
Benzene	20.49	ND	20.00	ug/L	102%		70-130	10	30	1
Trichloroethene	17.03	ND	20.00	ug/L	85%		63-130	13	30	1
Toluene	17.51	ND	20.00	ug/L	88%		70-130	12	30	1
Chlorobenzene	16.93	ND	20.00	ug/L	85%		70-130	10	30	1
Surrogates										
Dibromofluoromethane	49.49		50.00	ug/L	99%		70-130			1
1,2-Dichloroethane-d4	58.83		50.00	ug/L	118%		70-130			1
Toluene-d8	45.15		50.00	ug/L	90%		70-130			1
Bromofluorobenzene	49.24		50.00	ug/L	98%		70-130			1

Batch QC

Type: Blank
Matrix: Soil

Lab ID: QC1258692
Method: EPA 8260B

Batch: 371761
Prep Method: EPA 5035

QC1258692 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	1.2	05/20/25	05/20/25
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.4	05/20/25	05/20/25
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.6	05/20/25	05/20/25
Freon 12	ND		ug/Kg	5.0	2.6	05/20/25	05/20/25
Chloromethane	ND		ug/Kg	5.0	3.5	05/20/25	05/20/25
Vinyl Chloride	ND		ug/Kg	5.0	3.6	05/20/25	05/20/25
Bromomethane	ND		ug/Kg	5.0	2.2	05/20/25	05/20/25
Chloroethane	ND		ug/Kg	5.0	3.8	05/20/25	05/20/25
Trichlorofluoromethane	ND		ug/Kg	5.0	3.2	05/20/25	05/20/25
Acetone	ND		ug/Kg	100	45	05/20/25	05/20/25
Freon 113	ND		ug/Kg	5.0	1.3	05/20/25	05/20/25
1,1-Dichloroethene	ND		ug/Kg	5.0	1.4	05/20/25	05/20/25
Methylene Chloride	ND		ug/Kg	5.0	4.8	05/20/25	05/20/25
MTBE	ND		ug/Kg	5.0	1.1	05/20/25	05/20/25
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.7	05/20/25	05/20/25
1,1-Dichloroethane	ND		ug/Kg	5.0	1.4	05/20/25	05/20/25
2-Butanone	ND		ug/Kg	100	7.4	05/20/25	05/20/25
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	05/20/25	05/20/25
2,2-Dichloropropane	ND		ug/Kg	5.0	0.8	05/20/25	05/20/25
Chloroform	ND		ug/Kg	5.0	0.7	05/20/25	05/20/25
Bromochloromethane	ND		ug/Kg	5.0	0.7	05/20/25	05/20/25
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.8	05/20/25	05/20/25
1,1-Dichloropropene	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25
Carbon Tetrachloride	ND		ug/Kg	5.0	0.8	05/20/25	05/20/25
1,2-Dichloroethane	ND		ug/Kg	5.0	0.7	05/20/25	05/20/25
Benzene	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25
Trichloroethene	ND		ug/Kg	5.0	0.9	05/20/25	05/20/25
1,2-Dichloropropane	ND		ug/Kg	5.0	1.2	05/20/25	05/20/25
Bromodichloromethane	ND		ug/Kg	5.0	1.2	05/20/25	05/20/25
Dibromomethane	ND		ug/Kg	5.0	1.1	05/20/25	05/20/25
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.2	05/20/25	05/20/25
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.9	05/20/25	05/20/25
Toluene	ND		ug/Kg	5.0	0.9	05/20/25	05/20/25
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.5	05/20/25	05/20/25
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	05/20/25	05/20/25
Tetrachloroethene	ND		ug/Kg	5.0	1.3	05/20/25	05/20/25
Dibromochloromethane	ND		ug/Kg	5.0	1.1	05/20/25	05/20/25
1,2-Dibromoethane	ND		ug/Kg	5.0	0.6	05/20/25	05/20/25
Chlorobenzene	ND		ug/Kg	5.0	1.1	05/20/25	05/20/25
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25
Ethylbenzene	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25
m,p-Xylenes	ND		ug/Kg	10	2.0	05/20/25	05/20/25
o-Xylene	ND		ug/Kg	5.0	0.6	05/20/25	05/20/25
Styrene	ND		ug/Kg	5.0	0.7	05/20/25	05/20/25
Bromoform	ND		ug/Kg	5.0	0.9	05/20/25	05/20/25
Isopropylbenzene	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25

Batch QC

QC1258692 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	05/20/25	05/20/25
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25
Propylbenzene	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25
Bromobenzene	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25
2-Chlorotoluene	ND		ug/Kg	5.0	0.9	05/20/25	05/20/25
4-Chlorotoluene	ND		ug/Kg	5.0	0.8	05/20/25	05/20/25
tert-Butylbenzene	ND		ug/Kg	5.0	0.9	05/20/25	05/20/25
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.8	05/20/25	05/20/25
sec-Butylbenzene	ND		ug/Kg	5.0	1.1	05/20/25	05/20/25
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.9	05/20/25	05/20/25
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.7	05/20/25	05/20/25
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.8	05/20/25	05/20/25
n-Butylbenzene	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.7	05/20/25	05/20/25
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.8	05/20/25	05/20/25
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.3	05/20/25	05/20/25
Hexachlorobutadiene	ND		ug/Kg	5.0	1.0	05/20/25	05/20/25
Naphthalene	ND		ug/Kg	5.0	1.1	05/20/25	05/20/25
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1.1	05/20/25	05/20/25
Xylene (total)	ND		ug/Kg	5.0		05/20/25	05/20/25
Surrogates				Limits			
Dibromofluoromethane	90%		%REC	70-130		05/20/25	05/20/25
1,2-Dichloroethane-d4	109%		%REC	70-145		05/20/25	05/20/25
Toluene-d8	101%		%REC	70-145		05/20/25	05/20/25
Bromofluorobenzene	97%		%REC	70-145		05/20/25	05/20/25

Type: Lab Control Sample	Lab ID: QC1258693	Batch: 371761
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1258693 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.86	50.00	ug/Kg	100%		70-131
MTBE	40.77	50.00	ug/Kg	82%		69-130
Benzene	48.78	50.00	ug/Kg	98%		70-130
Trichloroethene	40.59	50.00	ug/Kg	81%		70-130
Toluene	46.89	50.00	ug/Kg	94%		70-130
Chlorobenzene	47.30	50.00	ug/Kg	95%		70-130
Surrogates						
Dibromofluoromethane	49.45	50.00	ug/Kg	99%		70-130
1,2-Dichloroethane-d4	56.66	50.00	ug/Kg	113%		70-145
Toluene-d8	48.97	50.00	ug/Kg	98%		70-145
Bromofluorobenzene	50.92	50.00	ug/Kg	102%		70-145

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1258694	Batch: 371761
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1258694 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.01	50.00	ug/Kg	96%		70-131	4	33
MTBE	41.71	50.00	ug/Kg	83%		69-130	2	30
Benzene	48.32	50.00	ug/Kg	97%		70-130	1	30
Trichloroethene	41.88	50.00	ug/Kg	84%		70-130	3	30
Toluene	49.10	50.00	ug/Kg	98%		70-130	5	30
Chlorobenzene	47.32	50.00	ug/Kg	95%		70-130	0	30
Surrogates								
Dibromofluoromethane	50.04	50.00	ug/Kg	100%		70-130		
1,2-Dichloroethane-d4	55.90	50.00	ug/Kg	112%		70-145		
Toluene-d8	52.03	50.00	ug/Kg	104%		70-145		
Bromofluorobenzene	49.33	50.00	ug/Kg	99%		70-145		

Type: Matrix Spike	Lab ID: QC1258705	Batch: 371761
Matrix (Source ID): Soil (530751-010)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1258705 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	20.37	ND	20.33	ug/Kg	100%		70-141	1
MTBE	16.77	ND	20.33	ug/Kg	83%		59-130	1
Benzene	21.00	ND	20.33	ug/Kg	103%		70-130	1
Trichloroethene	19.15	ND	20.33	ug/Kg	94%		69-130	1
Toluene	21.71	ND	20.33	ug/Kg	107%		70-130	1
Chlorobenzene	21.73	ND	20.33	ug/Kg	107%		70-130	1
Surrogates								
Dibromofluoromethane	46.84		50.81	ug/Kg	92%		70-145	1
1,2-Dichloroethane-d4	57.51		50.81	ug/Kg	113%		70-145	1
Toluene-d8	52.86		50.81	ug/Kg	104%		70-145	1
Bromofluorobenzene	50.40		50.81	ug/Kg	99%		70-145	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1258706	Batch: 371761
Matrix (Source ID): Soil (530751-010)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1258706 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	21.67	ND	20.62	ug/Kg	105%		70-141	5	43	1
MTBE	18.08	ND	20.62	ug/Kg	88%		59-130	6	30	1
Benzene	21.85	ND	20.62	ug/Kg	106%		70-130	3	30	1
Trichloroethene	20.03	ND	20.62	ug/Kg	97%		69-130	3	30	1
Toluene	21.84	ND	20.62	ug/Kg	106%		70-130	1	30	1
Chlorobenzene	21.30	ND	20.62	ug/Kg	103%		70-130	3	30	1
Surrogates										
Dibromofluoromethane	49.67		51.55	ug/Kg	96%		70-145			1
1,2-Dichloroethane-d4	57.59		51.55	ug/Kg	112%		70-145			1
Toluene-d8	52.04		51.55	ug/Kg	101%		70-145			1
Bromofluorobenzene	51.53		51.55	ug/Kg	100%		70-145			1

Type: Blank	Lab ID: QC1258356	Batch: 371651
Matrix: Soil	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1258356 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	1.1	05/18/25	05/19/25
2-Methylnaphthalene	ND		ug/Kg	10	1.4	05/18/25	05/19/25
Naphthalene	ND		ug/Kg	10	1.6	05/18/25	05/19/25
Acenaphthylene	ND		ug/Kg	10	1.1	05/18/25	05/19/25
Acenaphthene	ND		ug/Kg	10	0.75	05/18/25	05/19/25
Fluorene	ND		ug/Kg	10	0.84	05/18/25	05/19/25
Phenanthrene	ND		ug/Kg	10	1.7	05/18/25	05/19/25
Anthracene	ND		ug/Kg	10	0.99	05/18/25	05/19/25
Fluoranthene	ND		ug/Kg	10	1.4	05/18/25	05/19/25
Pyrene	ND		ug/Kg	10	3.2	05/18/25	05/19/25
Benzo(a)anthracene	ND		ug/Kg	10	0.78	05/18/25	05/19/25
Chrysene	ND		ug/Kg	10	0.65	05/18/25	05/19/25
Benzo(b)fluoranthene	ND		ug/Kg	10	0.87	05/18/25	05/19/25
Benzo(k)fluoranthene	ND		ug/Kg	10	1.3	05/18/25	05/19/25
Benzo(a)pyrene	ND		ug/Kg	10	1.5	05/18/25	05/19/25
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	0.96	05/18/25	05/19/25
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.0	05/18/25	05/19/25
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.2	05/18/25	05/19/25
Surrogates				Limits			
Nitrobenzene-d5	41%		%REC	27-125		05/18/25	05/19/25
2-Fluorobiphenyl	40%		%REC	30-120		05/18/25	05/19/25
Terphenyl-d14	64%		%REC	33-155		05/18/25	05/19/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1258357	Batch: 371651
Matrix: Soil	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1258357 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	127.6	199.0	ug/Kg	64%		28-130
2-Methylnaphthalene	125.0	199.0	ug/Kg	63%		33-130
Naphthalene	117.1	199.0	ug/Kg	59%		25-130
Acenaphthylene	132.8	199.0	ug/Kg	67%		28-130
Acenaphthene	108.8	199.0	ug/Kg	55%		32-130
Fluorene	119.8	199.0	ug/Kg	60%		35-130
Phenanthrene	108.8	199.0	ug/Kg	55%		35-132
Anthracene	117.8	199.0	ug/Kg	59%		34-136
Fluoranthene	114.2	199.0	ug/Kg	57%		34-139
Pyrene	113.6	199.0	ug/Kg	57%		35-134
Benzo(a)anthracene	120.6	199.0	ug/Kg	61%		30-132
Chrysene	108.2	199.0	ug/Kg	54%		29-130
Benzo(b)fluoranthene	115.1	199.0	ug/Kg	58%		32-137
Benzo(k)fluoranthene	107.9	199.0	ug/Kg	54%		32-130
Benzo(a)pyrene	108.0	199.0	ug/Kg	54%		10-138
Indeno(1,2,3-cd)pyrene	115.4	199.0	ug/Kg	58%		34-132
Dibenz(a,h)anthracene	113.4	199.0	ug/Kg	57%		32-130
Benzo(g,h,i)perylene	105.3	199.0	ug/Kg	53%		27-130
Surrogates						
Nitrobenzene-d5	128.3	199.0	ug/Kg	64%		27-125
2-Fluorobiphenyl	124.0	199.0	ug/Kg	62%		30-120
Terphenyl-d14	140.6	199.0	ug/Kg	71%		33-155

Batch QC

Type: Matrix Spike	Lab ID: QC1258380	Batch: 371651
Matrix (Source ID): Soil (533166-001)	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1258380 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	134.7	ND	198.2	ug/Kg	68%		25-130	5
2-Methylnaphthalene	125.0	ND	198.2	ug/Kg	63%		32-133	5
Naphthalene	118.4	ND	198.2	ug/Kg	60%		33-130	5
Acenaphthylene	139.4	ND	198.2	ug/Kg	70%		14-157	5
Acenaphthene	115.1	ND	198.2	ug/Kg	58%		28-134	5
Fluorene	119.6	ND	198.2	ug/Kg	60%		27-140	5
Phenanthrene	114.9	ND	198.2	ug/Kg	58%		29-147	5
Anthracene	125.3	ND	198.2	ug/Kg	63%		24-156	5
Fluoranthene	116.4	ND	198.2	ug/Kg	59%		28-160	5
Pyrene	115.3	ND	198.2	ug/Kg	58%		26-153	5
Benzo(a)anthracene	126.1	ND	198.2	ug/Kg	64%		26-174	5
Chrysene	115.9	ND	198.2	ug/Kg	58%		40-139	5
Benzo(b)fluoranthene	113.0	ND	198.2	ug/Kg	57%		36-164	5
Benzo(k)fluoranthene	107.3	ND	198.2	ug/Kg	54%		36-161	5
Benzo(a)pyrene	107.6	ND	198.2	ug/Kg	54%		18-173	5
Indeno(1,2,3-cd)pyrene	103.7	ND	198.2	ug/Kg	52%		26-154	5
Dibenz(a,h)anthracene	103.4	ND	198.2	ug/Kg	52%		38-132	5
Benzo(g,h,i)perylene	100.7	ND	198.2	ug/Kg	51%		36-130	5
Surrogates								
Nitrobenzene-d5	129.2		198.2	ug/Kg	65%		27-125	5
2-Fluorobiphenyl	137.0		198.2	ug/Kg	69%		30-120	5
Terphenyl-d14	140.1		198.2	ug/Kg	71%		33-155	5

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1258381	Batch: 371651
Matrix (Source ID): Soil (533166-001)	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC1258381 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	173.4	ND	199.4	ug/Kg	87%		25-130	25	35	5
2-Methylnaphthalene	165.7	ND	199.4	ug/Kg	83%		32-133	27	35	5
Naphthalene	154.8	ND	199.4	ug/Kg	78%		33-130	26	35	5
Acenaphthylene	180.7	ND	199.4	ug/Kg	91%		14-157	25	35	5
Acenaphthene	147.5	ND	199.4	ug/Kg	74%		28-134	24	35	5
Fluorene	153.7	ND	199.4	ug/Kg	77%		27-140	24	35	5
Phenanthrene	145.8	ND	199.4	ug/Kg	73%		29-147	23	35	5
Anthracene	159.7	ND	199.4	ug/Kg	80%		24-156	24	35	5
Fluoranthene	148.9	ND	199.4	ug/Kg	75%		28-160	24	35	5
Pyrene	147.2	ND	199.4	ug/Kg	74%		26-153	24	35	5
Benzo(a)anthracene	160.7	ND	199.4	ug/Kg	81%		26-174	24	35	5
Chrysene	144.8	ND	199.4	ug/Kg	73%		40-139	22	35	5
Benzo(b)fluoranthene	139.7	ND	199.4	ug/Kg	70%		36-164	21	35	5
Benzo(k)fluoranthene	135.5	ND	199.4	ug/Kg	68%		36-161	23	35	5
Benzo(a)pyrene	134.2	ND	199.4	ug/Kg	67%		18-173	21	35	5
Indeno(1,2,3-cd)pyrene	133.6	ND	199.4	ug/Kg	67%		26-154	25	35	5
Dibenz(a,h)anthracene	133.7	ND	199.4	ug/Kg	67%		38-132	25	35	5
Benzo(g,h,i)perylene	128.1	ND	199.4	ug/Kg	64%		36-130	23	35	5
Surrogates										
Nitrobenzene-d5	167.4		199.4	ug/Kg	84%		27-125			5
2-Fluorobiphenyl	175.8		199.4	ug/Kg	88%		30-120			5
Terphenyl-d14	179.7		199.4	ug/Kg	90%		33-155			5

* Value is outside QC limits
J Estimated value
ND Not Detected

Laboratory Job Number 533332

Subcontracted Products

MicroTest Laboratories, Inc.



MicroTest Laboratories Inc. NVLAP Code: 200999-0
3110 Gold Canal Dr. Ste. A. Rancho Cordova, CA 95670
PH 916.567.9808 | FX 916.404.0302
www.microtestlabsinc.com | service@microtestlabsinc.com

Project ID
MT012563268

CLIENT INFORMATION

Company Enthalpy Analytical, LLC
Name Patty Matta
Address 931 W. Barkley Avenue
Orange, CA 92868
Phone (714) 771 - 6900
Email patty.mata@enthalpy.com

SAMPLE

Date Friday, May 16, 2025
Time

MicroTest
Laboratories

Test Report

JOB SITE INFORMATION

Sampler
Project
Address

Job # EO-533332

POLARIZED LIGHT MICROSCOPY (PLM)

EPA METHOD 600 / R-93 / 116 & EPA – 40 CFR Appendix E to Subpart E of Part 763

Client Sample ID	Laboratory Sample ID	Client Description	Laboratory Description	Non Fibrous / Fibrous Materials	Asbestiform Minerals %
COMP-20	63268-1	16-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
COMP-21	63268-2	16-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
DUPO1- 250516	63268-3	16-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
COMP-22	63268-4	16-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
COMP-23	63268-5	16-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
COMP-24	63268-6	16-MAY-2025 00:00	Brown Soil Fibrous Heterogenous		Absent
COMP-25	63268-7	16-MAY-2025 00:00	Brown Soil Non-Fibrous Heterogenous		Absent

Date Received: Tuesday, May 20, 2025
Date Analyzed: Tuesday, May 20, 2025
Date Reported: Wednesday, May 21, 2025

Analyst: Andres De Ferrari

Authorized Signatory:

Kelly Favero - Lab Manager



MicroTest Laboratories Inc. NVLAP Code: 200999-0
3110 Gold Canal Dr. Ste. A. Rancho Cordova, CA 95670
PH 916.567.9808 | FX 916.404.0302
www.microtestlabsinc.com | service@microtestlabsinc.com

Project ID
MT012563268

CLIENT INFORMATION

Company Enthalpy Analytical, LLC
Name Patty Matta
Address 931 W. Barkley Avenue
Orange, CA 92868
Phone (714) 771 - 6900
Email patty.mata@enthalpy.com

SAMPLE

Date Friday, May 16, 2025
Time

MicroTest
Laboratories

Notes and Definitions

JOB SITE INFORMATION

Sampler
Project
Address

Job # EO-533332

Notes and Definitions

This document serves as the final report. The results apply only to the sample as received. Due to the inherent limitations of Polarized Light Microscopy (PLM) and the complexity of certain sample matrices, some materials classified as "None Detected" (ND) for asbestos (e.g., floor tiles or similar materials) may require further analysis. MicroTest Laboratories recommends additional testing using PLM and/or Transmission Electron Microscopy (TEM) with gravimetric reduction preparation.

Soil, rock and Vermiculite matrices present analytical challenges. MicroTest recommends homogenization by milling before PLM analysis. The thermal breakdown of asbestos fibers can change their properties, causing them to exhibit different mineral characteristics. Even if altered asbestos isn't counted by the method used, OSHA and various state regulations still recognize it as asbestos. PLM analysis will determine the presence of non-altered asbestos, but fire-altered, former asbestos fibers will be reported as an "Altered" Asbestiform result. Materials commonly seen with fire-altered minerals include, but are not limited to, cementitious sidings, tiles, textures, joint compounds, and fibrous backings. Due to the potential for incomplete or partial decomposition, additional analysis by TEM is advisable.

The reporting limit for calibrated visual area estimation quantitation procedures is 1%. The reporting limits for 400-point count and 1000-point count quantitation procedures are 0.25% and 0.1%, respectively. Samples are considered acceptable unless otherwise noted. Each layer of a sample is analyzed separately unless it consists of multiple manufactured layers (e.g., linoleum, drywall) or if otherwise specified by the client.

All samples will be retained for a minimum of 30 days before disposal. Bench sheets detailing sampling methodologies can be provided upon request. This report must not be used by the client to imply product endorsement by NVLAP or any agency of the U.S. Government. This report may only be reproduced in its entirety with the written approval of MicroTest Laboratories, Inc.

Authorized Signatory:

Kelly Favero - Lab Manager



ENTHALPY

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

Project ID: 63268
Client: Enthalpy
Received Date: 05/20/25
Count: 7 TAT: 1 Day

Subcontract Laboratory:

MicroTest Laboratories, Inc.
3110 Gold Canal Drive
Suite A
Rancho Cordova, CA 95670
ATTN: Kelly Favero
PO #: Required, to be sent via email

Enthalpy Order: EO-533332

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

Results Due: Rush due
05/21/25

Report Level: II
Report To: MDL
EDDs:

Notes:

Need PLM asbestos qualitative tests

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
COMP-20	16-MAY-2025 00:00	533332-006	1	Soil	Asbestos by PLM (P/A)	
COMP-21	16-MAY-2025 00:00	533332-012	1	Soil	Asbestos by PLM (P/A)	
DUP01-250516	16-MAY-2025 00:00	533332-013	1	Soil	Asbestos by PLM (P/A)	
COMP-22	16-MAY-2025 00:00	533332-020	1	Soil	Asbestos by PLM (P/A)	
COMP-23	16-MAY-2025 00:00	533332-026	1	Soil	Asbestos by PLM (P/A)	
COMP-24	16-MAY-2025 00:00	533332-032	1	Soil	Asbestos by PLM (P/A)	
COMP-25	16-MAY-2025 00:00	533332-038	1	Soil	Asbestos by PLM (P/A)	

Notes:

Relinquished By:

Received By:

Date: 5-19-25 1:12

Date: 5/19/25 2:12pm.

Date: 5/19/25 4:00 p.m.

Date: 5/20/25 11:30am

Date:

Date:



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

enthalpy.com

Lab Job Number : 533586
Report Level : II
Report Date : 05/23/2025

Analytical Report *prepared for:*

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - Marquez CES / S030.076

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, ORELAP# 4197



Sample Summary

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite
#410
Irvine, CA 92612

Lab Job #: 533586
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 05/01/25

Sample ID	Lab ID	Collected	Matrix
G 81	533586-001	05/01/25 11:15	Soil

Case Narrative

Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612
Clare Steedman

Lab Job Number: 533586
Project No: LAUSD SCHOOL
Location: Marquez CES /
S030.076
Date Received: 05/01/25

This data package contains sample and QC results for one soil sample, requested for the above referenced project on 05/21/25. The sample was received cold and intact. Only the additional STLC and TCLP test results for sample G 81 are included in this report.

Metals (EPA 6010B) TCLP Leachate:

No analytical problems were encountered.

Metals (EPA 6010B) WET Leachate:

No analytical problems were encountered.

Leachate Preparation:

No analytical problems were encountered.

Detection Summary

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 533586
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 05/01/25

Sample ID: G 81

Lab ID: 533586-001

Collected: 05/01/25 11:15

533586-001 Analyte

Result

Qual

Units

RL

MDL

Matrix

Method: EPA 6010B

Prep Method: EPA 3010A

Lead

0.063

mg/L

0.015

0.0028

TCLP Leachate

Method: EPA 6010B

Prep Method: METHOD

Lead

0.74

mg/L

0.15

0.051

WET Leachate

[External] - RE: LAUSD Marquez CES 5/1/25 soils report with additional tests - Enthalpy Data (532165)

From Clare Steedman <clare.steedman@terrphase.com>
Date Thu 5/15/2025 9:59 AM
To Patty Mata <patty.mata@enthalpy.com>
Cc Jonathan Marshak <jonathan.marshak@terrphase.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi Patty,

Would you please extract sample 532165-042 (G81) using both TCLP and STLC WET and analyze the leachates for lead?

We would like to receive the results by next Wednesday 5/21.

Thank you,

Clare Steedman, P.G.
Cell: 213.422.5850
clare.steedman@terrphase.com

From: Patty Mata <patty.mata@enthalpy.com>
Sent: Wednesday, May 14, 2025 3:46 PM
To: Clare Steedman <clare.steedman@terrphase.com>
Subject: LAUSD Marquez CES 5/1/25 soils report with additional tests - Enthalpy Data (532165)

Hi Clare,

Revised report on 5/14/25 to include additional total Lead test results as requested.

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 the EDD.

Please find attached the following file:

- PDF Deliverable

Email was also sent to: EDD@terrphase.com, jonathan.marshak@terrphase.com

With Regards,

Patty Mata

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
Lab No: 532165		Page: 1 of 6		Standard:		3 Day:	
				2 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 Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other (lab use only)			
CUSTOMER INFORMATION Company: Terraphase Engineering Inc. Report To: Clare Steedman Email: clare.steedman@terrphase.com Address: 18401 Von Karman Ave. #410, Irvine, CA 91812 Phone: 949-377-2227 Fax:				PROJECT INFORMATION Name: Marquez CES Number: S030.076 P.O. #: 16821 Marquez Ave, Address: Pacific Palisades, CA 90272 Global ID: Sampled By: Jon Marshall			
Analysis Request EPA 6010B T22 Metals EPA 7471A - Hg PLM - Asbestos 8270 SIM PAHS 8081A - OCPs 8082 - PCBs EPA Method 8290 (Dioxins and Furans) 8260B/5035 - VOCs EPA 8015 carbon chain Moisture content				Test Instructions / Comments Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report - Report results in dry weight			
Sample ID 1 649 2 650 3 651 4 652 5 COMP-11 6 653 7 654 8 655 9 656 10 657				Container No. / Size 1-802 1-802 1-802 30A 802 - 1-802 1-802 1-802 1-802 1-802, 30A 1-802, 30A			
Sampling Date 5-1-25 5-1-25 5-1-25 5-1-25 - 5-1-25 5-1-25 5-1-25 5-1-25 5-1-25				Sampling Time 8:17 8:21 8:25 8:30 - 0915 0918 0921 0925 0931			
Matrix S S S S S S S S S S				Pres. ICE ICE ICE ICE - ICE ICE ICE ICE ICE			
Signature Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]				Print Name Jon Marshall GEMA O. GEMA O. MAR 2 MAR MAR 2 MAR NCM			
Company / Title TEL / Geologist EAMH EAMH EA EA EA				Date / Time 5/01/25 16:28 5/01/25 16:28 5-2-25 10:50 5-2-25 10:50 5-2-25 12:21 5/2/25 12:21			

Chain of Custody Record		Turn Around Time (rush by advanced notice only)				
Lab No:	Page:	Standard:	5 Day:	3 Day:	Custom TAT:	
532165	2 of 6		X	X		
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other (lab use only)				
Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other						
PROJECT INFORMATION		Analysis Request				
Company:	Terraphase Engineering Inc.	Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report				
Report To:	Clare Steedman					
Email:	clare.steedman@terrphase.com					
Address:	18401 Von Karman Ave. #410, Irvine, CA 91812					
Phone:	949-377-2227					
Fax:						
Sample ID		Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1	COMP-12	-	-	-	-	-
2	DUP01-050125	-	-	-	-	-
3	DUP02-050125	-	-	-	3 VOA	ICE
4	G58	5-1-25	0931	S	1-802	ICE
5	G59	5-1-25	0935	S	1-802	ICE
6	G60	5-1-25	0940	S	1-802	ICE
7	G61	5-1-25	0943	S	1-802	ICE
8	G62	5-1-25	0948	S	1-802	ICE
9	COMP-13	-	-	-	-	-
10						
Signature		Print Name		Company / Title		Date / Time
[Signature]		Jon Marshak		TEP / Geologist		5/6/25 16:28
[Signature]		KEMA O.		EANTH		5-01-25 16:28
[Signature]		GEMAO.		EANTH		5-2-25 10:50
[Signature]		KATO 2000		E.A		5-2-25 10:50
[Signature]		KATONAR		E.A		5-2-25 12:21
[Signature]		NCM		FA		5/2/25 12:21

IR 114-3 / 4-4

 Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Chain of Custody Record Lab No: <u>532165</u> Page: <u>4</u> of <u>6</u>		Turn Around Time (rush by advanced notice only) Standard: ☒ 5 Day: ☒ 3 Day: 2 Day: ☐ 1 Day: ☐ Custom TAT:					
		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other (lab use only)							
CUSTOMER INFORMATION Company: Terraphase Engineering Inc. Report To: Clare Steedman Email: clare.steedman@terrphase.com Address: 18401 Von Karman Ave. #410, Irvine, CA 91812 Phone: 949-377-2227 Fax:		PROJECT INFORMATION Name: Marquez CES Number: S030.076 P.O. #: 16821 Marquez Ave, Address: Pacific Palisades, CA 90272 Global ID: Sampled By: <u>Don Marshak</u>		Analysis Request EPA 6010B T22 Metals EPA 7471A - Hg PLM - Asbestos 8270 SIM PAHs 8081A - OCPs 8082 - PCBs EPA Method 8290 (Dioxins and Furans) 8260B/5035 - VOCs EPA 8015 carbon chain Moisture content					
Test Instructions / Comments Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report -report results in dry weight		Test Instructions / Comments Please email report to the following: jonathan.marshak@terrphase.com Additionally, send EDD report -report results in dry weight							
Sample ID 1 <u>G71</u> 2 <u>G72</u> 3 <u>G73</u> 4 <u>G74</u> 5 <u>G75</u> 6 <u>Comp-16</u> 7 <u>G76</u> 8 <u>G77</u> 9 <u>G78</u> 10 <u>G79</u>		Sampling Date 5-1-25 5-1-25 5-1-25 5-1-25 5-1-25 - 5-1-25 5-1-25 5-1-25 5-1-25		Sampling Time 1030 1033 1038 1042 1045 - 1050 1055 1100 1105		Container No. / Size 1-802 1-802 1-802 1-802 1-802 - 1-802 30A 1-802 1-802 1-802		Pres. ICE ICE ICE ICE ICE - ICE ICE ICE ICE	
Signature 		Print Name Don Marshak GEMA O. GEMA O. TAO TAO TAO TAO NCM		Company / Title TEL / Geologist E.A.N.H E.A.N.H E.A E.A E.A		Date / Time 5/1/25 16:28 5/1/25 16:28 5/2/25 10:50 5-2-25 10:50 5-2-25 12:21 5/2/25 12:21			
Relinquished By: 1 <u>G71</u> 2 <u>G72</u> 3 <u>G73</u> 4 <u>G74</u> 5 <u>G75</u> 6 <u>Comp-16</u> 7 <u>G76</u> 8 <u>G77</u> 9 <u>G78</u> 10 <u>G79</u>		Received By: 1 <u>G71</u> 2 <u>G72</u> 3 <u>G73</u> 4 <u>G74</u> 5 <u>G75</u> 6 <u>Comp-16</u> 7 <u>G76</u> 8 <u>G77</u> 9 <u>G78</u> 10 <u>G79</u>		Relinquished By: 1 <u>G71</u> 2 <u>G72</u> 3 <u>G73</u> 4 <u>G74</u> 5 <u>G75</u> 6 <u>Comp-16</u> 7 <u>G76</u> 8 <u>G77</u> 9 <u>G78</u> 10 <u>G79</u>		Received By: 1 <u>G71</u> 2 <u>G72</u> 3 <u>G73</u> 4 <u>G74</u> 5 <u>G75</u> 6 <u>Comp-16</u> 7 <u>G76</u> 8 <u>G77</u> 9 <u>G78</u> 10 <u>G79</u>			

IR 11 4.3 / 4.4

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
		Lab No: 532165	Standard: X	5 Day: X	3 Day:	Custom TAT:	
Page: 5 of 6		2 Day:		Sample Receipt Temp:			
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other			
PROJECT INFORMATION		Analysis Request		Test Instructions / Comments			
Company: Terraphase Engineering Inc. Report To: Clare Steedman Email: clare.steedman@terrapphase.com Address: 18401 Von Karman Ave. #410, Irvine, CA 91812 Phone: 949-377-2227 Fax:		Name: Marquez CES Number: 5030.076 P.O. #: 16821 Marquez Ave, Address: Pacific Palisades, CA 90272 Global ID: Sampled By: Jon Marshak		EPA 6010B T22 Metals EPA 7471A - Hg PLM - Asbestos 8270 SIM PAHs 8081A - OCPs 8082 - PCBs EPA Method 8290 (Dioxins and Furans) 8260B/5035 - VOCs EPA 8015 carbon chain Moisture content			
Sample ID		Sampling Date		Sampling Time		Matrix	
1 G80		5-1-25		1110		S	
2 Comp-17		-		-		-	
3 G81		5-1-25		1115		S	
4 G82		5-1-25		1120		S	
5 G83		5-1-25		1125		S	
6 G84		5-1-25		1130		S	
7 G85		5-1-25		1135		S	
8 Comp-18		-		-		-	
9							
10							
Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By: [Signature]		Jon Marshak		JEM/Geologist		5/01/25 16:28	
1 Received By: [Signature]		GEMA O.		EA NH		5/01/25 16:28	
2 Relinquished By: [Signature]		GEMA O.		EA NH		5-2-25 10:50	
2 Received By: [Signature]		MARIA		EA		5-2-25 10:50	
3 Relinquished By: [Signature]		TWO NAME		EA		5-2-25 12:21	
3 Received By: [Signature]		NCM		EA		5/2/25 12:21	

IR 11 4-3/4-4



ENTHALPY

ANALYTICAL

Enthalpy Analytical - Orange

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

Chain of Custody Record

Lab No: 532165

Page: 6 of 5

Standard:

5 Day: X

1 Day:

2 Day:

3 Day: X

Custom TAT:

Matrix: A = Air S = Soil/Solid

W = Water DW = Drinking Water SD = Sediment

PP = Pure Product SEA = Sea Water

SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:

1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃

4 = H₂SO₄ 5 = NaOH 6 = Other

Turn Around Time (rush by advanced notice only)

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION

Company: Terraphase Engineering Inc.

Report To: Clare Steedman

Email: clare.steedman@terrphase.com

Address: 18401 Von Karman Ave. #410, Irvine, CA 91812

Phone: 949-377-2227

Fax:

PROJECT INFORMATION

Name: Marquez CES

Number: S030.076

P.O. #:

Address: 16821 Marquez Ave, Pacific Palisades, CA 90272

Global ID:

Sampled By: Jon Marshak

Analysis Request

EPA 6010B T22 Metals

EPA 7471A - Hg

PLM - Asbestos

8270 SIM PAHs

8081A - OCPs

8082 - PCBs

EPA Method 8290 (Dioxins and Furans)

8260B/5035 - VOCs

EPA 8015 carbon chain

Moisture content

Test Instructions / Comments

Please email report to the following: jonathan.marshak@terrphase.com

Additionally, send EDD report

Report Results in dry weight

3 COMP-19

Composite of discards

Signature

1 Relinquished By:

1 Received By:

2 Relinquished By:

2 Received By:

3 Relinquished By:

3 Received By:

Print Name

Jon Marshak

GENA C.

GENA C.

NAO MAR

NAO MAR

NCM

Company / Title

TEL / Geologist

EA NH

EA NH

EA

EA

EA

Date / Time

5/01/25 16:28

5-01-25 16:28

5-2-25 10:50

5-2-25 10:50

5-2-25 12:21

5/2/25 12:21

1211 4-3 / 4-4

ENTHALPY

Date Received: 5/1/25 WO# 532165 Client: Terraphase

Are custody seals present? ☐ Yes ☒ No

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

Cooler Temp (°C) #1: 4.3 / 4.4 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

☒ No microbiology samples submitted (skip 3b)

☐ Adequate headspace for microbiology analysis.

☒ No air samples submitted (skip 3c)☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

YES	NO	N/A
-----	----	-----

13) Are VOA vials free from headspace/bubbles > 6mm?

(If no comments are made, then no discrepancies noted.)

[illegible]☐ No additional discrepancies

Date Labeled 5/2/25 By (print) EA-OR (sign) [Signature]

[External] - RE: LAUSD Marquez CES 5/1/25 soils partial report - Enthalpy Data (532165)

From Jonathan Marshak <jonathan.marshak@terrphase.com>

Date Thu 5/8/2025 3:26 PM

To Patty Mata <patty.mata@enthalpy.com>

Cc Clare Steedman <clare.steedman@terrphase.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hello Patty,

Could we please run the following samples for Lead by 6010B:

- G63 to G65 and G76 to G85 (13 total samples)

We would like to request reporting of these samples by close of business 5/14 if possible, 4 business days.

Thanks,

Jon Marshak, PG

Senior Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

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

www.terrphase.com

This e-mail (including any attachments to it) is intended solely for the use of the individual(s) or entity named above. It may contain confidential or privileged information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately and delete the original message.

From: Patty Mata <patty.mata@enthalpy.com>

Sent: Wednesday, May 7, 2025 4:57 PM

To: Jonathan Marshak <jonathan.marshak@terrphase.com>

Subject: LAUSD Marquez CES 5/1/25 soils partial report - Enthalpy Data (532165)

Hi Jon,

All results are attached except for the asbestos test results and the dioxin/furan test results.

Analysis Results for 533586

Clare Steedman
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 533586
Project No: LAUSD SCHOOL
Location: Marquez CES / S030.076
Date Received: 05/01/25

Sample ID: G 81

Lab ID: 533586-001

Collected: 05/01/25 11:15

533586-001 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
--------------------	--------	------	-------	----	-----	--------	----	-------	----------	----------	---------

Method: EPA 6010B

Prep Method: EPA 3010A

Lead	0.063		mg/L	0.015	0.0028	TCLP Leachate	1	372156	05/23/25	05/23/25	CAP
------	--------------	--	------	-------	--------	---------------	---	--------	----------	----------	-----

Method: EPA 6010B

Prep Method: METHOD

Lead	0.74		mg/L	0.15	0.051	WET Leachate	10	372166	05/23/25	05/23/25	CAP
------	-------------	--	------	------	-------	--------------	----	--------	----------	----------	-----

Batch QC

Type: Blank	Lab ID: QC1260094	Batch: 372156
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1260094 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.015	0.0028	05/23/25	05/23/25

Type: Lab Control Sample	Lab ID: QC1260095	Batch: 372156
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1260095 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	1.990	2.000	mg/L	100%		80-120

Type: Matrix Spike	Lab ID: QC1260096	Batch: 372156
Matrix (Source ID): TCLP Leachate (532620-001)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1260096 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	2.018	0.07982	2.000	mg/L	97%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1260097	Batch: 372156
Matrix (Source ID): TCLP Leachate (532620-001)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1260097 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	2.051	0.07982	2.000	mg/L	99%		75-125	2	20	1

Type: Blank	Lab ID: QC1260130	Batch: 372166
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1260130 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.15	0.051	05/23/25	05/23/25

Type: Lab Control Sample	Lab ID: QC1260131	Batch: 372166
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1260131 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	4.123	4.000	mg/L	103%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1260132	Batch: 372166
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1260132 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Lead	4.008	4.000	mg/L	100%		80-120	3	20

ND Not Detected



ANALYTICAL REPORT

PREPARED FOR

Attn: Jonathan Marshak
Terraphase Engineering Inc.
18401 Von Karman Ave
Suite 410
Irvine, California 92612

Generated 5/27/2025 9:38:02 AM

JOB DESCRIPTION

MARQUEZ CES

JOB NUMBER

320-121665-1

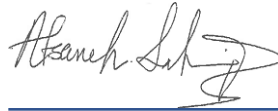
Eurofins Sacramento

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northern California, LLC Project Manager.

Authorization



Generated
5/27/2025 9:38:02 AM

Authorized for release by
Afsaneh Salimpour, Senior Project Manager
Afsaneh.Salimpour@et.eurofinsus.com
(925)484-1919

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Isotope Dilution Summary	10
QC Sample Results	11
QC Association Summary	14
Lab Chronicle	15
Certification Summary	17
Method Summary	18
Sample Summary	19
Chain of Custody	20



Definitions/Glossary

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Qualifiers

Dioxin

Qualifier	Qualifier Description
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Terraphase Engineering Inc.
Project: MARQUEZ CES

Job ID: 320-121665-1

Job ID: 320-121665-1

Eurofins Sacramento

Job Narrative 320-121665-1

Receipt

The samples were received on 5/19/2025 7:33 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 19.4° C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: G93 (320-121665-1), G94 (320-121665-2), G95 (320-121665-3), G96 (320-121665-4), G97 (320-121665-5), COMP21 (320-121665-6), DUP01-250516 (320-121665-7), G108 (320-121665-8), G109 (320-121665-9), G110 (320-121665-10), G111 (320-121665-11), G112 (320-121665-12) and COMP-24 (320-121665-13). The cooling media present in the cooler melted.

Dioxin

Method 8290A: The opening automatic mass resolution check for analytical batch 320-853811 exhibited several masses that did not print correctly and indicated the incorrect resolving power of the instrument due to a software glitch. A second manual resolution check was performed which did correctly indicate that the instrument maintained greater than 10,000 resolution for all required masses. There is no significant impact on the data.

Method 8290A: The following sample exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): COMP-24 (320-121665-13). The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

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

General Chemistry

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

Organic Prep

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

Dioxin Prep

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

Eurofins Sacramento

Detection Summary

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Client Sample ID: COMP21

Lab Sample ID: 320-121665-6

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDD	16		5.1		pg/g	1	✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	5.6		5.1		pg/g	1	✱	8290A	Total/NA
OCDD	140		10		pg/g	1	✱	8290A	Total/NA
Total TCDD	11	q	1.0		pg/g	1	✱	8290A	Total/NA
Total TCDF	4.7	q	1.0		pg/g	1	✱	8290A	Total/NA
Total HpCDD	35		5.1		pg/g	1	✱	8290A	Total/NA
Total HpCDF	5.6		5.1		pg/g	1	✱	8290A	Total/NA

Client Sample ID: DUP01-250516

Lab Sample ID: 320-121665-7

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDD	13		5.1		pg/g	1	✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	5.3		5.1		pg/g	1	✱	8290A	Total/NA
OCDD	110		10		pg/g	1	✱	8290A	Total/NA
Total TCDD	12	q	1.0		pg/g	1	✱	8290A	Total/NA
Total TCDF	6.7	q	1.0		pg/g	1	✱	8290A	Total/NA
Total HpCDD	30		5.1		pg/g	1	✱	8290A	Total/NA
Total HpCDF	5.3		5.1		pg/g	1	✱	8290A	Total/NA

Client Sample ID: COMP-24

Lab Sample ID: 320-121665-13

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	1.4	q	1.1		pg/g	1	✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	6.3	q	5.5		pg/g	1	✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	15		5.5		pg/g	1	✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	11		5.5		pg/g	1	✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	5.7		5.5		pg/g	1	✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	6.2		5.5		pg/g	1	✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	420	G	5.9		pg/g	1	✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	140		5.5		pg/g	1	✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	8.4		5.5		pg/g	1	✱	8290A	Total/NA
OCDD	3800		11		pg/g	1	✱	8290A	Total/NA
OCDF	340		11		pg/g	1	✱	8290A	Total/NA
Total TCDD	1.3	q	1.1		pg/g	1	✱	8290A	Total/NA
Total TCDF	6.4	q	1.1		pg/g	1	✱	8290A	Total/NA
Total PeCDF	12	q	5.5		pg/g	1	✱	8290A	Total/NA
Total HxCDD	120	q	5.5		pg/g	1	✱	8290A	Total/NA
Total HxCDF	85		5.5		pg/g	1	✱	8290A	Total/NA
Total HpCDD	890	G	5.9		pg/g	1	✱	8290A	Total/NA
Total HpCDF	320		5.5		pg/g	1	✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Client Sample ID: COMP21

Lab Sample ID: 320-121665-6

Date Collected: 05/16/25 00:00

Matrix: Solid

Date Received: 05/19/25 07:33

Percent Solids: 93.5

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
2,3,7,8-TCDF	ND		1.0		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
1,2,3,7,8-PeCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
1,2,3,7,8-PeCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
2,3,4,7,8-PeCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
1,2,3,4,7,8-HxCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
1,2,3,6,7,8-HxCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
1,2,3,7,8,9-HxCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
1,2,3,4,7,8-HxCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
1,2,3,6,7,8-HxCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
1,2,3,7,8,9-HxCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
2,3,4,6,7,8-HxCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
1,2,3,4,6,7,8-HpCDD	16		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
1,2,3,4,6,7,8-HpCDF	5.6		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
1,2,3,4,7,8,9-HpCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
OCDD	140		10		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
OCDF	ND		10		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
Total TCDD	11 q		1.0		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
Total TCDF	4.7 q		1.0		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
Total PeCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
Total PeCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
Total HxCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
Total HxCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
Total HpCDD	35		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1
Total HpCDF	5.6		5.1		pg/g	☆	05/21/25 15:07	05/24/25 07:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	51		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-2,3,7,8-TCDF	51		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-1,2,3,7,8-PeCDD	59		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-1,2,3,7,8-PeCDF	61		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-2,3,4,7,8-PeCDF	52		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-1,2,3,4,7,8-HxCDD	57		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-1,2,3,6,7,8-HxCDD	57		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-1,2,3,4,7,8-HxCDF	63		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-1,2,3,6,7,8-HxCDF	69		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-2,3,4,6,7,8-HxCDF	64		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-1,2,3,7,8,9-HxCDF	62		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-1,2,3,4,6,7,8-HpCDD	65		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-1,2,3,4,6,7,8-HpCDF	57		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-1,2,3,4,7,8,9-HpCDF	54		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-OCDD	60		40 - 135	05/21/25 15:07	05/24/25 07:53	1
13C-OCDF	63		40 - 135	05/21/25 15:07	05/24/25 07:53	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SW846 3550C)	6.5		0.1		%			05/20/25 14:10	1
Percent Solids (SW846 3550C)	93.5		0.1		%			05/20/25 14:10	1

Eurofins Sacramento

Client Sample Results

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Client Sample ID: DUP01-250516

Lab Sample ID: 320-121665-7

Date Collected: 05/16/25 00:00

Matrix: Solid

Date Received: 05/19/25 07:33

Percent Solids: 93.6

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
2,3,7,8-TCDF	ND		1.0		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
1,2,3,7,8-PeCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
1,2,3,7,8-PeCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
2,3,4,7,8-PeCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
1,2,3,4,7,8-HxCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
1,2,3,6,7,8-HxCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
1,2,3,7,8,9-HxCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
1,2,3,4,7,8-HxCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
1,2,3,6,7,8-HxCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
1,2,3,7,8,9-HxCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
2,3,4,6,7,8-HxCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
1,2,3,4,6,7,8-HpCDD	13		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
1,2,3,4,6,7,8-HpCDF	5.3		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
1,2,3,4,7,8,9-HpCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
OCDD	110		10		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
OCDF	ND		10		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
Total TCDD	12 q		1.0		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
Total TCDF	6.7 q		1.0		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
Total PeCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
Total PeCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
Total HxCDD	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
Total HxCDF	ND		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
Total HpCDD	30		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1
Total HpCDF	5.3		5.1		pg/g	☆	05/21/25 15:07	05/24/25 08:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	58		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-2,3,7,8-TCDF	59		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-1,2,3,7,8-PeCDD	64		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-1,2,3,7,8-PeCDF	66		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-2,3,4,7,8-PeCDF	59		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-1,2,3,4,7,8-HxCDD	60		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-1,2,3,6,7,8-HxCDD	60		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-1,2,3,4,7,8-HxCDF	64		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-1,2,3,6,7,8-HxCDF	72		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-2,3,4,6,7,8-HxCDF	69		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-1,2,3,7,8,9-HxCDF	70		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-1,2,3,4,6,7,8-HpCDD	66		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-1,2,3,4,6,7,8-HpCDF	54		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-1,2,3,4,7,8,9-HpCDF	58		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-OCDD	61		40 - 135	05/21/25 15:07	05/24/25 08:40	1
13C-OCDF	63		40 - 135	05/21/25 15:07	05/24/25 08:40	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SW846 3550C)	6.4		0.1		%			05/20/25 14:10	1
Percent Solids (SW846 3550C)	93.6		0.1		%			05/20/25 14:10	1

Eurofins Sacramento

Client Sample Results

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Client Sample ID: COMP-24

Lab Sample ID: 320-121665-13

Date Collected: 05/16/25 00:00

Matrix: Solid

Date Received: 05/19/25 07:33

Percent Solids: 88.1

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.1		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
2,3,7,8-TCDF	1.4	q	1.1		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
1,2,3,7,8-PeCDD	ND		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
1,2,3,7,8-PeCDF	ND		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
2,3,4,7,8-PeCDF	ND		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
1,2,3,4,7,8-HxCDD	6.3	q	5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
1,2,3,6,7,8-HxCDD	15		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
1,2,3,7,8,9-HxCDD	11		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
1,2,3,4,7,8-HxCDF	ND		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
1,2,3,6,7,8-HxCDF	5.7		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
1,2,3,7,8,9-HxCDF	ND		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
2,3,4,6,7,8-HxCDF	6.2		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
1,2,3,4,6,7,8-HpCDD	420	G	5.9		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
1,2,3,4,6,7,8-HpCDF	140		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
1,2,3,4,7,8,9-HpCDF	8.4		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
OCDD	3800		11		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
OCDF	340		11		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
Total TCDD	1.3	q	1.1		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
Total TCDF	6.4	q	1.1		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
Total PeCDD	ND		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
Total PeCDF	12	q	5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
Total HxCDD	120	q	5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
Total HxCDF	85		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
Total HpCDD	890	G	5.9		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1
Total HpCDF	320		5.5		pg/g	☆	05/21/25 15:07	05/24/25 09:28	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	45		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-2,3,7,8-TCDF	45		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-1,2,3,7,8-PeCDD	51		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-1,2,3,7,8-PeCDF	53		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-2,3,4,7,8-PeCDF	44		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-1,2,3,4,7,8-HxCDD	46		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-1,2,3,6,7,8-HxCDD	48		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-1,2,3,4,7,8-HxCDF	55		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-1,2,3,6,7,8-HxCDF	59		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-2,3,4,6,7,8-HxCDF	58		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-1,2,3,7,8,9-HxCDF	58		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-1,2,3,4,6,7,8-HpCDD	57		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-1,2,3,4,6,7,8-HpCDF	47		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-1,2,3,4,7,8,9-HpCDF	48		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-OCDD	59		40 - 135	05/21/25 15:07	05/24/25 09:28	1
13C-OCDF	59		40 - 135	05/21/25 15:07	05/24/25 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SW846 3550C)	11.9		0.1		%			05/20/25 14:10	1
Percent Solids (SW846 3550C)	88.1		0.1		%			05/20/25 14:10	1

Eurofins Sacramento

Isotope Dilution Summary

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	PeCF (40-135)	HxCDD (40-135)	HxDD (40-135)	HxCDF (40-135)
320-121665-6	COMP21	51	51	59	61	52	57	57	63
320-121665-7	DUP01-250516	58	59	64	66	59	60	60	64
320-121665-13	COMP-24	45	45	51	53	44	46	48	55
LCS 320-853230/2-A	Lab Control Sample	56	56	62	64	55	57	64	64
LCSD 320-853230/3-A	Lab Control Sample Dup	59	58	65	68	57	61	64	70
MB 320-853230/1-A	Method Blank	61	63	64	70	60	68	70	78

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HxDF (40-135)	13CHxCF (40-135)	HxCF (40-135)	HpCDD (40-135)	HpCDF (40-135)	HpCDF2 (40-135)	OCDD (40-135)	OCDF (40-135)
320-121665-6	COMP21	69	64	62	65	57	54	60	63
320-121665-7	DUP01-250516	72	69	70	66	54	58	61	63
320-121665-13	COMP-24	59	58	58	57	47	48	59	59
LCS 320-853230/2-A	Lab Control Sample	76	71	72	68	59	59	66	69
LCSD 320-853230/3-A	Lab Control Sample Dup	76	74	74	73	62	59	69	70
MB 320-853230/1-A	Method Blank	84	81	83	77	73	67	71	75

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
 TCDF = 13C-2,3,7,8-TCDF
 PeCDD = 13C-1,2,3,7,8-PeCDD
 PeCDF = 13C-1,2,3,7,8-PeCDF
 PeCF = 13C-2,3,4,7,8-PeCDF
 HxCDD = 13C-1,2,3,4,7,8-HxCDD
 HxDD = 13C-1,2,3,6,7,8-HxCDD
 HxCDF = 13C-1,2,3,4,7,8-HxCDF
 HxDF = 13C-1,2,3,6,7,8-HxCDF
 13CHxCF = 13C-2,3,4,6,7,8-HxCDF
 HxCF = 13C-1,2,3,7,8,9-HxCDF
 HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
 HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
 HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF
 OCDD = 13C-OCDD
 OCDF = 13C-OCDF

Eurofins Sacramento

QC Sample Results

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-853230/1-A

Matrix: Solid

Analysis Batch: 853811

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 853230

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
2,3,7,8-TCDF	ND		1.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
1,2,3,7,8-PeCDD	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
1,2,3,7,8-PeCDF	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
2,3,4,7,8-PeCDF	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
1,2,3,4,7,8-HxCDD	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
1,2,3,6,7,8-HxCDD	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
1,2,3,7,8,9-HxCDD	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
1,2,3,4,7,8-HxCDF	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
1,2,3,6,7,8-HxCDF	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
1,2,3,7,8,9-HxCDF	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
2,3,4,6,7,8-HxCDF	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
1,2,3,4,6,7,8-HpCDD	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
1,2,3,4,6,7,8-HpCDF	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
1,2,3,4,7,8,9-HpCDF	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
OCDD	ND		10		pg/g		05/21/25 15:07	05/24/25 05:26	1
OCDF	ND		10		pg/g		05/21/25 15:07	05/24/25 05:26	1
Total TCDD	ND		1.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
Total TCDF	ND		1.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
Total PeCDD	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
Total PeCDF	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
Total HxCDD	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
Total HxCDF	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
Total HpCDD	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1
Total HpCDF	ND		5.0		pg/g		05/21/25 15:07	05/24/25 05:26	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	61		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-2,3,7,8-TCDF	63		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-1,2,3,7,8-PeCDD	64		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-1,2,3,7,8-PeCDF	70		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-2,3,4,7,8-PeCDF	60		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-1,2,3,4,7,8-HxCDD	68		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-1,2,3,6,7,8-HxCDD	70		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-1,2,3,4,7,8-HxCDF	78		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-1,2,3,6,7,8-HxCDF	84		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-2,3,4,6,7,8-HxCDF	81		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-1,2,3,7,8,9-HxCDF	83		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-1,2,3,4,6,7,8-HpCDD	77		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-1,2,3,4,6,7,8-HpCDF	73		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-1,2,3,4,7,8,9-HpCDF	67		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-OCDD	71		40 - 135	05/21/25 15:07	05/24/25 05:26	1
13C-OCDF	75		40 - 135	05/21/25 15:07	05/24/25 05:26	1

Eurofins Sacramento

QC Sample Results

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-853230/2-A

Matrix: Solid

Analysis Batch: 853811

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 853230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,3,7,8-TCDD	20.0	21.3		pg/g		106	73 - 141
2,3,7,8-TCDF	20.0	24.0		pg/g		120	71 - 153
1,2,3,7,8-PeCDD	100	96.8		pg/g		97	77 - 126
1,2,3,7,8-PeCDF	100	96.8		pg/g		97	72 - 128
2,3,4,7,8-PeCDF	100	111		pg/g		111	72 - 127
1,2,3,4,7,8-HxCDD	100	114		pg/g		114	73 - 126
1,2,3,6,7,8-HxCDD	100	105		pg/g		105	76 - 142
1,2,3,7,8,9-HxCDD	100	110		pg/g		110	70 - 136
1,2,3,4,7,8-HxCDF	100	114		pg/g		114	73 - 127
1,2,3,6,7,8-HxCDF	100	91.8		pg/g		92	77 - 126
1,2,3,7,8,9-HxCDF	100	95.7		pg/g		96	77 - 125
2,3,4,6,7,8-HxCDF	100	98.0		pg/g		98	77 - 126
1,2,3,4,6,7,8-HpCDD	100	88.5		pg/g		89	79 - 121
1,2,3,4,6,7,8-HpCDF	100	114		pg/g		114	78 - 138
1,2,3,4,7,8,9-HpCDF	100	113		pg/g		113	76 - 123
OCDD	200	204		pg/g		102	76 - 136
OCDF	200	206		pg/g		103	75 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-2,3,7,8-TCDD	56		40 - 135
13C-2,3,7,8-TCDF	56		40 - 135
13C-1,2,3,7,8-PeCDD	62		40 - 135
13C-1,2,3,7,8-PeCDF	64		40 - 135
13C-2,3,4,7,8-PeCDF	55		40 - 135
13C-1,2,3,4,7,8-HxCDD	57		40 - 135
13C-1,2,3,6,7,8-HxCDD	64		40 - 135
13C-1,2,3,4,7,8-HxCDF	64		40 - 135
13C-1,2,3,6,7,8-HxCDF	76		40 - 135
13C-2,3,4,6,7,8-HxCDF	71		40 - 135
13C-1,2,3,7,8,9-HxCDF	72		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	68		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	59		40 - 135
13C-1,2,3,4,7,8,9-HpCDF	59		40 - 135
13C-OCDD	66		40 - 135
13C-OCDF	69		40 - 135

Lab Sample ID: LCSD 320-853230/3-A

Matrix: Solid

Analysis Batch: 853811

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 853230

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,3,7,8-TCDD	20.0	22.3		pg/g		111	73 - 141	5	20
2,3,7,8-TCDF	20.0	22.5		pg/g		113	71 - 153	6	20
1,2,3,7,8-PeCDD	100	100		pg/g		100	77 - 126	3	20
1,2,3,7,8-PeCDF	100	99.0		pg/g		99	72 - 128	2	20
2,3,4,7,8-PeCDF	100	113		pg/g		113	72 - 127	1	20
1,2,3,4,7,8-HxCDD	100	111		pg/g		111	73 - 126	3	20
1,2,3,6,7,8-HxCDD	100	112		pg/g		112	76 - 142	6	20
1,2,3,7,8,9-HxCDD	100	112		pg/g		112	70 - 136	2	20

Eurofins Sacramento

QC Sample Results

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-853230/3-A

Matrix: Solid

Analysis Batch: 853811

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 853230

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3,4,7,8-HxCDF	100	107		pg/g		107	73 - 127	6	20
1,2,3,6,7,8-HxCDF	100	96.8		pg/g		97	77 - 126	5	20
1,2,3,7,8,9-HxCDF	100	97.0		pg/g		97	77 - 125	1	20
2,3,4,6,7,8-HxCDF	100	94.2		pg/g		94	77 - 126	4	20
1,2,3,4,6,7,8-HpCDD	100	91.2		pg/g		91	79 - 121	3	20
1,2,3,4,6,7,8-HpCDF	100	114		pg/g		114	78 - 138	0	20
1,2,3,4,7,8,9-HpCDF	100	117		pg/g		117	76 - 123	3	20
OCDD	200	206		pg/g		103	76 - 136	1	20
OCDF	200	209		pg/g		105	75 - 130	1	20

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C-2,3,7,8-TCDD	59		40 - 135
13C-2,3,7,8-TCDF	58		40 - 135
13C-1,2,3,7,8-PeCDD	65		40 - 135
13C-1,2,3,7,8-PeCDF	68		40 - 135
13C-2,3,4,7,8-PeCDF	57		40 - 135
13C-1,2,3,4,7,8-HxCDD	61		40 - 135
13C-1,2,3,6,7,8-HxCDD	64		40 - 135
13C-1,2,3,4,7,8-HxCDF	70		40 - 135
13C-1,2,3,6,7,8-HxCDF	76		40 - 135
13C-2,3,4,6,7,8-HxCDF	74		40 - 135
13C-1,2,3,7,8,9-HxCDF	74		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	73		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	62		40 - 135
13C-1,2,3,4,7,8,9-HpCDF	59		40 - 135
13C-OCDD	69		40 - 135
13C-OCDF	70		40 - 135

Method: 3550C - Percent Moisture

Lab Sample ID: 320-121665-6 DU

Matrix: Solid

Analysis Batch: 852934

Client Sample ID: COMP21

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	6.5		6.4		%		2	20
Percent Solids	93.5		93.6		%		0.1	20

Eurofins Sacramento

QC Association Summary

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Specialty Organics

Composite Batch: 853205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-121665-6	COMP21	Total/NA	Solid	Composite	
320-121665-7	DUP01-250516	Total/NA	Solid	Composite	
320-121665-13	COMP-24	Total/NA	Solid	Composite	

Prep Batch: 853230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-121665-6	COMP21	Total/NA	Solid	8290	853205
320-121665-7	DUP01-250516	Total/NA	Solid	8290	853205
320-121665-13	COMP-24	Total/NA	Solid	8290	853205
MB 320-853230/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-853230/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-853230/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	

Analysis Batch: 853811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-121665-6	COMP21	Total/NA	Solid	8290A	853230
320-121665-7	DUP01-250516	Total/NA	Solid	8290A	853230
320-121665-13	COMP-24	Total/NA	Solid	8290A	853230
MB 320-853230/1-A	Method Blank	Total/NA	Solid	8290A	853230
LCS 320-853230/2-A	Lab Control Sample	Total/NA	Solid	8290A	853230
LCSD 320-853230/3-A	Lab Control Sample Dup	Total/NA	Solid	8290A	853230

General Chemistry

Analysis Batch: 852934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-121665-6	COMP21	Total/NA	Solid	3550C	853205
320-121665-7	DUP01-250516	Total/NA	Solid	3550C	853205
320-121665-13	COMP-24	Total/NA	Solid	3550C	853205
320-121665-6 DU	COMP21	Total/NA	Solid	3550C	853205

Composite Batch: 853205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-121665-6	COMP21	Total/NA	Solid	Composite	
320-121665-7	DUP01-250516	Total/NA	Solid	Composite	
320-121665-13	COMP-24	Total/NA	Solid	Composite	
320-121665-6 DU	COMP21	Total/NA	Solid	Composite	

Lab Chronicle

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Client Sample ID: COMP21

Date Collected: 05/16/25 00:00

Date Received: 05/19/25 07:33

Lab Sample ID: 320-121665-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	3550C		1			852934	05/20/25 14:10	JCB	EET SAC
Total/NA	Composite	Composite					853205	05/21/25 13:23	JCB	EET SAC

Client Sample ID: COMP21

Date Collected: 05/16/25 00:00

Date Received: 05/19/25 07:33

Lab Sample ID: 320-121665-6

Matrix: Solid

Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Composite	Composite					853205	05/21/25 13:23	JCB	EET SAC
Total/NA	Prep	8290			10.49 g	20.0 uL	853230	05/21/25 15:07	KSM	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	853811	05/24/25 07:53	JBC	EET SAC

Client Sample ID: DUP01-250516

Date Collected: 05/16/25 00:00

Date Received: 05/19/25 07:33

Lab Sample ID: 320-121665-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	3550C		1			852934	05/20/25 14:10	JCB	EET SAC
Total/NA	Composite	Composite					853205	05/21/25 13:23	JCB	EET SAC

Client Sample ID: DUP01-250516

Date Collected: 05/16/25 00:00

Date Received: 05/19/25 07:33

Lab Sample ID: 320-121665-7

Matrix: Solid

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Composite	Composite					853205	05/21/25 13:23	JCB	EET SAC
Total/NA	Prep	8290			10.40 g	20.0 uL	853230	05/21/25 15:07	KSM	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	853811	05/24/25 08:40	JBC	EET SAC

Client Sample ID: COMP-24

Date Collected: 05/16/25 00:00

Date Received: 05/19/25 07:33

Lab Sample ID: 320-121665-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	3550C		1			852934	05/20/25 14:10	JCB	EET SAC
Total/NA	Composite	Composite					853205	05/21/25 13:23	JCB	EET SAC

Client Sample ID: COMP-24

Date Collected: 05/16/25 00:00

Date Received: 05/19/25 07:33

Lab Sample ID: 320-121665-13

Matrix: Solid

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Composite	Composite					853205	05/21/25 13:23	JCB	EET SAC
Total/NA	Prep	8290			10.41 g	20.0 uL	853230	05/21/25 15:07	KSM	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	853811	05/24/25 09:28	JBC	EET SAC

Eurofins Sacramento

Lab Chronicle

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Laboratory References:
EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Accreditation/Certification Summary

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Laboratory: Eurofins Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
3550C		Solid	Percent Moisture
3550C		Solid	Percent Solids

Method Summary

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Method	Method Description	Protocol	Laboratory
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	EET SAC
3550C	Percent Moisture	SW846	EET SAC
8290	Soxhlet Extraction of Dioxins and Furans	SW846	EET SAC
Composite	Sample Compositing	None	EET SAC

Protocol References:

None = None

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

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Terraphase Engineering Inc.
Project/Site: MARQUEZ CES

Job ID: 320-121665-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-121665-6	COMP21	Solid	05/16/25 00:00	05/19/25 07:33
320-121665-7	DUP01-250516	Solid	05/16/25 00:00	05/19/25 07:33
320-121665-13	COMP-24	Solid	05/16/25 00:00	05/19/25 07:33

1

2

3

4

5

6

7

8

9

10

11

12

13

14



Environment Testing

Calscience

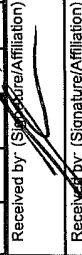
2841 Dow Avenue Suite 100 Tustin, CA 92780 • (714) 895-5494

For courier service / sample drop off information contact us26_sales@eurofins.com or call us

CHAIN-OF-CUSTODY RECORD

DATE: 5-16-25

PAGE: 1 OF 2

LABORATORY CLIENT: TERRAPHASE ENGINEERING INC ADDRESS: 18401 VON KARLMAN AVE 410, CITY: RIVINE STATE: CA ZIP: 92512		CLIENT PROJECT NAME / NO MARQUEZ CES		P.O. NO	
TEL: 949-377-7277 EMAIL: clare.steedman@terraphase.com		PROJECT CONTACT: CLARE STEEDMAN		LAB CONTACT OR QUOTE NO.	
TURNAROUND TIME (Rush surcharges may apply to any TAT not STANDARD): ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 DAYS ☐ STANDARD		GLOBAL ID:		SAMPLER(S): (PRINT) J. CARW	
EOD: ☐ COELT EDF ☐ OTHER		REQUESTED ANALYSES			
SPECIAL INSTRUCTIONS SEND REPORT TO jonathan.marshall@terraphase.com SEE ALSO SEND EDOLEAD JRE		Please check box or fill in blank as needed			
					
320-121665 Chain of Custody					
LAB USE ONLY	SAMPLE ID	DATE	TIME	MATRIX	NO OF CONT
	G93	5-16-25	932	S	1
	G94	5-16-25	936	S	1
	G95	5-16-25	941	S	1
	G96	5-16-25	947	S	1
	G97	5-16-25	952	S	1
	COMP21	-	-	-	-
	DUP01-250516	-	-	-	-
	G108	5-16-25	100	S	1
	G109	5-16-25	104	S	1
	G110	5-16-25	1128	S	1
Relinquished by (Signature) 		Date: 5/16/25		Time: 1513	
Relinquished by (Signature)		Date:		Time:	
Relinquished by (Signature)		Date:		Time:	
Received by (Signature/Affiliation) 		Date: 5/16/25		Time: 1513	
Received by (Signature/Affiliation)		Date:		Time:	
Received by (Signature/Affiliation)		Date:		Time:	
Field Filtered		Preserved		Unpreserved	
☐ TPH(g) ☐ GRO		☐ TPH(g) ☐ DRO		☐ TPH / MTBE ☐ 8260 ☐	
☐ BTEX / MTBE ☐ 8260 ☐		☐ VOCs (8260)		☐ Oxygenates (8260)	
☐ Prep (5035) ☐ En Core ☐ Terra Core		☐ SVOCs (8270)		☐ Pesticides (8081)	
☐ PCBs (8082)		☐ PAHs ☐ 8270 ☐ SIM		☐ T22 Metals ☐ 6010/747X ☐ 6020/747X	
☐ Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6		☐ NOX/NOE / PLEASNS (8290)			



2841 Dow Avenue Suite 100 Tustin CA 92780 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales

DATE: 5-10-63
PAGE: 2 OF 2

[illegible]



Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Loc 320

121665

Tracking # 12 013 682412479 6984

Job _____

SO / PO / FO / SAT / 2-Day / Ground UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other _____Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations
File in the job folder with the COCTherm ID: 610 Corr Factor (+/-) _____ °CIce ☒ Wet _____ Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID _____

Temp Observed 19.4 °C Corrected 17.4 °CFrom: Temp Blank ☐ Sandwich ☒ Sidewall ☐**Opening/Processing The Shipment** Yes No NACooler compromised/tampered with? ☐ ☒ ☐Cooler Temperature is acceptable? ☒ ☐ ☐Frozen samples show signs of thaw? ☐ ☐ ☒Initials JF Date 5/19/25**Unpacking/Labeling The Samples** Yes No NAContainers are not broken or leaking? ☒ ☐ ☐Samples compromised/tampered with? ☐ ☒ ☐COC is complete w/o discrepancies ☒ ☐ ☐Sample custody seal? ☐ ☐ ☒Sample containers have legible labels? ☒ ☐ ☐Sample date/times are provided? ☒ ☐ ☐Appropriate containers are used? ☒ ☐ ☐Sample bottles are completely filled? ☒ ☐ ☐Sample preservatives verified? ☐ ☐ ☒Is the Field Sampler's name on COC? ☒ ☐ ☐Samples w/o discrepancies? ☒ ☐ ☐Zero headspace?* ☐ ☐ ☒Alkalinity has no headspace? ☐ ☐ ☒Perchlorate has headspace? ☐ ☐ ☒

(Methods 314, 331, 6850)

Multiphasic samples are not present? ☒ ☐ ☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JF Date 5/19/25

Notes: _____

Trizma Lot #(s) _____

Ammonium

Acetate Lot #(s) _____

Login Completion

Receipt Temperature on COC? Yes No NA

NCM Filed? ☒ ☐ ☐Samples received within hold time? ☒ ☐ ☐Log Release checked in TALS? ☒ ☐ ☐Initials JF Date 5/19/25

Appendix B

95UCL Analysis



	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Data Sets with Non-Detects											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.16/5/2025 10:34:41 AM								
5	From File			(20250605) Arsenic.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	Arsenic_T											
12												
13	General Statistics											
14	Total Number of Observations				27		Number of Distinct Observations				19	
15							Number of Missing Observations				0	
16	Minimum				4.4		Mean				6.7	
17	Maximum				12		Median				6.2	
18	SD				1.969		Std. Error of Mean				0.379	
19	Coefficient of Variation				0.294		Skewness				1.547	
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic				0.838		Shapiro Wilk GOF Test					
23	5% Shapiro Wilk Critical Value				0.923		Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic				0.194		Lilliefors GOF Test					
25	5% Lilliefors Critical Value				0.167		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				7.346		95% Adjusted-CLT UCL (Chen-1995)				7.444	
31							95% Modified-t UCL (Johnson-1978)				7.365	
32												
33	Gamma GOF Test											
34	A-D Test Statistic				0.775		Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value				0.744		Data Not Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic				0.153		Kolmogorov-Smirnov Gamma GOF Test					
37	5% K-S Critical Value				0.168		Detected data appear Gamma Distributed at 5% Significance Level					
38	Detected data follow Appr. Gamma Distribution at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)				14.28		k star (bias corrected MLE)				12.72	
42	Theta hat (MLE)				0.469		Theta star (bias corrected MLE)				0.527	
43	nu hat (MLE)				771.1		nu star (bias corrected)				686.7	
44	MLE Mean (bias corrected)				6.7		MLE Sd (bias corrected)				1.879	
45						Approximate Chi Square Value (0.05)				626.9		
46	Adjusted Level of Significance				0.0401		Adjusted Chi Square Value				623.3	
47												
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL (use when n>=50)				7.339		95% Adjusted Gamma UCL (use when n<50)				7.382	
50												

	A	B	C	D	E	F	G	H	I	J	K	L
51	Lognormal GOF Test											
52	Shapiro Wilk Test Statistic					0.927	Shapiro Wilk Lognormal GOF Test					
53	5% Shapiro Wilk Critical Value					0.923	Data appear Lognormal at 5% Significance Level					
54	Lilliefors Test Statistic					0.138	Lilliefors Lognormal GOF Test					
55	5% Lilliefors Critical Value					0.167	Data appear Lognormal at 5% Significance Level					
56	Data appear Lognormal at 5% Significance Level											
57												
58	Lognormal Statistics											
59	Minimum of Logged Data					1.482	Mean of logged Data					1.867
60	Maximum of Logged Data					2.485	SD of logged Data					0.262
61												
62	Assuming Lognormal Distribution											
63	95% H-UCL					7.341	90% Chebyshev (MVUE) UCL					7.709
64	95% Chebyshev (MVUE) UCL					8.173	97.5% Chebyshev (MVUE) UCL					8.817
65	99% Chebyshev (MVUE) UCL					10.08						
66												
67	Nonparametric Distribution Free UCL Statistics											
68	Data appear to follow a Discernible Distribution at 5% Significance Level											
69												
70	Nonparametric Distribution Free UCLs											
71	95% CLT UCL					7.323	95% Jackknife UCL					7.346
72	95% Standard Bootstrap UCL					7.307	95% Bootstrap-t UCL					7.543
73	95% Hall's Bootstrap UCL					7.545	95% Percentile Bootstrap UCL					7.322
74	95% BCA Bootstrap UCL					7.407						
75	90% Chebyshev(Mean, Sd) UCL					7.837	95% Chebyshev(Mean, Sd) UCL					8.352
76	97.5% Chebyshev(Mean, Sd) UCL					9.066	99% Chebyshev(Mean, Sd) UCL					10.47
77												
78	Suggested UCL to Use											
79	95% Adjusted Gamma UCL					7.382						
80												
81	When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test											
82	When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL											
83												
84	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
85	Recommendations are based upon data size, data distribution, and skewness.											
86	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
87	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
88												

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Data Sets with Non-Detects											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.16/5/2025 10:07:38 AM								
5	From File			(20250605) Lead.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	Lead_T											
12												
13	General Statistics											
14	Total Number of Observations				27		Number of Distinct Observations				26	
15							Number of Missing Observations				0	
16	Minimum				6.4		Mean				43.14	
17	Maximum				130		Median				36	
18	SD				33.54		Std. Error of Mean				6.454	
19	Coefficient of Variation				0.777		Skewness				1.086	
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic				0.883		Shapiro Wilk GOF Test					
23	5% Shapiro Wilk Critical Value				0.923		Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic				0.137		Lilliefors GOF Test					
25	5% Lilliefors Critical Value				0.167		Data appear Normal at 5% Significance Level					
26	Data appear Approximate 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				54.15		95% Adjusted-CLT UCL (Chen-1995)				55.2	
31							95% Modified-t UCL (Johnson-1978)				54.37	
32												
33	Gamma GOF Test											
34	A-D Test Statistic				0.402		Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value				0.76		Detected data appear Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic				0.115		Kolmogorov-Smirnov Gamma GOF Test					
37	5% K-S Critical Value				0.171		Detected data appear Gamma Distributed at 5% Significance Level					
38	Detected data appear Gamma Distributed at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)				1.698		k star (bias corrected MLE)				1.534	
42	Theta hat (MLE)				25.41		Theta star (bias corrected MLE)				28.12	
43	nu hat (MLE)				91.69		nu star (bias corrected)				82.83	
44	MLE Mean (bias corrected)				43.14		MLE Sd (bias corrected)				34.83	
45						Approximate Chi Square Value (0.05)				62.86		
46	Adjusted Level of Significance				0.0401		Adjusted Chi Square Value				61.75	
47												
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL (use when n>=50))				56.85		95% Adjusted Gamma UCL (use when n<50)				57.87	
50												

	A	B	C	D	E	F	G	H	I	J	K	L
51	Lognormal GOF Test											
52	Shapiro Wilk Test Statistic					0.949	Shapiro Wilk Lognormal GOF Test					
53	5% Shapiro Wilk Critical Value					0.923	Data appear Lognormal at 5% Significance Level					
54	Lilliefors Test Statistic					0.126	Lilliefors Lognormal GOF Test					
55	5% Lilliefors Critical Value					0.167	Data appear Lognormal at 5% Significance Level					
56	Data appear Lognormal at 5% Significance Level											
57												
58	Lognormal Statistics											
59	Minimum of Logged Data					1.856	Mean of logged Data					3.442
60	Maximum of Logged Data					4.868	SD of logged Data					0.864
61												
62	Assuming Lognormal Distribution											
63	95% H-UCL					67.63	90% Chebyshev (MVUE) UCL					69.32
64	95% Chebyshev (MVUE) UCL					80.53	97.5% Chebyshev (MVUE) UCL					96.08
65	99% Chebyshev (MVUE) UCL					126.6						
66												
67	Nonparametric Distribution Free UCL Statistics											
68	Data appear to follow a Discernible Distribution at 5% Significance Level											
69												
70	Nonparametric Distribution Free UCLs											
71	95% CLT UCL					53.76	95% Jackknife UCL					54.15
72	95% Standard Bootstrap UCL					53.23	95% Bootstrap-t UCL					56.42
73	95% Hall's Bootstrap UCL					55.37	95% Percentile Bootstrap UCL					53.48
74	95% BCA Bootstrap UCL					55.47						
75	90% Chebyshev(Mean, Sd) UCL					62.5	95% Chebyshev(Mean, Sd) UCL					71.27
76	97.5% Chebyshev(Mean, Sd) UCL					83.45	99% Chebyshev(Mean, Sd) UCL					107.4
77												
78	Suggested UCL to Use											
79	95% Student's-t UCL					54.15						
80												
81	When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test											
82	When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL											
83												
84	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
85	Recommendations are based upon data size, data distribution, and skewness.											
86	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
87	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
88												