



CITADEL EHS

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October 2, 2024

Travis Cullen
Envicom Corporation
4165 East Thousand Oaks Blvd, Suite 290
West Lake Village, California, 91362

Re: CITADEL Project No. 7109.1098.0
Limited Phase II Site Investigation Report
24460 Calabasas Road
Calabasas, California, 91302

Dear Mr. Cullen:

Citadel EHS (Citadel) is pleased to provide you with this Limited Phase II Site Investigation Report for the above-referenced location.

The Limited Phase II Site Investigation was conducted in general accordance with Citadel's Proposal 7109.1098.P, dated August 21, 2024, and a mutually agreed upon scope of work.

If, after your review, you have any questions or require additional information, please do not hesitate to telephone me at (818) 246-2707.

Sincerely,
CITADEL EHS

Mark Drollinger

Mark Drollinger, M. Eng., CSP
Principal, Engineering and Environmental Sciences

Enclosure



CITADEL EHS

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Envicom Corporation

4165 East Thousand Oaks Blvd, Suite 290
West Lake Village, California, 91302

Limited Phase II Site Investigation Report

October 2, 2024

Citadel Project Number 7109.1098.0

24460 Calabasas Road
Calabasas, California 91302

www.CitadelEHS.com



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1.0 INTRODUCTION

Citadel EHS (Citadel) has prepared this Limited Phase II Site Investigation Report (Report) for the property located at 24460 Calabasas Road in the City of Calabasas, California (Site). In June 2024, Citadel prepared a Phase I Environmental Site Assessment (Phase I) for the Site and recommended a Phase II Site Investigation (Phase II) be conducted to evaluate the shallow soil for the presence of pesticides and herbicides based on the historical operation of a nursery and landscaping business at the Site. The Assessor's Parcel Numbers (APNs) associated with the Site are 2069-009-008 and 2069-009-020. A Site Location Map is included as Figure 1.

2.0 BACKGROUND

2.1 Site Description

The Site was formerly occupied by Sperling Nursery and Landscaping from approximately 1975 to 2017. There are no records of Site occupancy or previous land-use prior to 1975. The Site is currently unoccupied and consists of vacant land, concrete pads and brick pathways, overgrown vegetation, shrubs, trees, and both paved and unpaved access roads. The Site is bounded by a Cadillac automobile dealership to the east, a BMW automobile dealership to the West, residential homes to the South, and Calabasas Road to the North.

3.0 PHASE II INVESTIGATION ACTIVITIES

The scope of work was implemented in general accordance with Citadel's Proposal 7109.1098.P, dated August 21, 2024. The scope of work included advancing ten borings in accessible areas of the Site where historical nursery and landscaping operations likely occurred and collecting soil samples.

3.1 Pre-Field Activities

The following pre-field activities were conducted in advance of starting field activities:

- Prepared a Site-specific Health and Safety Plan (HASP; Appendix A);
- Coordinated with the Client for scheduling and scope implementation; and
- Notified Dig Alert at least 48 hours prior to the start of field activities to mark the Site for underground utilities (Appendix B).

3.2 Boring Advancement

On September 9, 2024, Citadel advanced 10 borings (B1 through B10) each to a depth of 2 feet bgs using a hand auger. Soil was visually evaluated and described using the Unified Soil Classification System (USCS) and field screened for VOCs using a handheld photo-ionization detector (PID). Boring B4 was shifted approximately 15 feet to the northeast from the proposed location due to the presence of a concrete pad.

A Site Map showing the approximate boring locations is presented as Figure 2. Citadel's field notes and boring logs are presented in Appendix C and D, respectively.

3.3 Soil Sampling

Twenty soil samples were collected from boring locations B1 through B10 at approximately 0.5 foot and 2 feet bgs. The samples were collected into laboratory-provided glass jars. Soil samples were

stored on ice and transported under chain-of-custody procedures to Enthalpy Analytical (Enthalpy), of Orange, California, a State-certified fixed-based laboratory.

The soil samples collected from 0.5 foot bgs were analyzed for Title 22 metals by United States Environmental Protection Agency (USEPA) Methods 6010B/7471, organochlorine pesticides (OCPs) by USEPA Method 8081A, and chlorinated herbicides by USEPA Method 8151A.

The samples collected from 2 feet bgs were initially placed on hold at the laboratory pending results of the 0.5 foot bgs soil samples. Based on results of the 0.5 foot bgs samples, additional samples were analyzed as follows:

- The sample collected from boring B8 at 0.5 foot bgs reported an arsenic concentration of 14 milligrams per kilogram (mg/kg), which is above the background level of 12 mg/kg. To evaluate the vertical extent of arsenic in soil at this location, the sample collected from boring B8 at 2 feet bgs was analyzed for arsenic;
- The samples collected from borings B1, B4, B7, and B8 at 0.5 foot bgs reported chromium concentrations above the soluble threshold limit concentration (STLC) of 50 mg/kg for waste classification purposes. Additional waste extraction testing was conducted on each sample to determine waste classification; and
- The samples collected from borings B1, B4, and B10 at 0.5 foot bgs reported one or more OCP compounds above the laboratory reporting limit (RL). To evaluate the vertical extent of OCPs at these locations, the samples collected from 2 feet bgs were analyzed for OCPs.

3.4 Deviations from Scope

There were no deviations from scope that would significantly impact the findings of this subsurface investigation.

4.0 INVESTIGATION RESULTS

4.1 Soil Analytical Results

Soil analytical results were compared to the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) environmental screening levels for commercial land use (Commercial ESLs; SFBRWQCB, 2019). Metals results were also compared to the Southern California Background Metals Concentrations (Background Levels; Bradford, et al, 1996 and DTSC, 2018).

Tables 1, 2, and 3 summarize the soil analytical results. The laboratory analytical reports are provided in Appendix E.

4.1.1 Heavy Metals

Arsenic

Arsenic was detected above the Commercial ESL of 0.36 mg/kg in each of the 11 samples analyzed at concentrations ranging from 5.4 milligrams per kilogram (mg/kg) at boring B2 to 14.0 mg/kg at boring B8 (0.5 and 2 feet bgs). The Department of Toxic Substances Control (DTSC) has acknowledged that the strict use of established screening levels for arsenic is impractical due to naturally occurring background concentrations and has set the acceptable level of arsenic in soil (Background Level) at 12 mg/kg for sites in California (DTSC, 2018). Arsenic was detected above the Background Level in both the 0.5 and 2 feet bgs samples collected from boring B8.

Chromium

Chromium was detected above the laboratory reporting limit (RL), but below the Commercial ESL in each of the ten samples analyzed at concentrations ranging from 17 mg/kg at boring B2 to 64 mg/kg at boring B7. Chromium was detected above 50 mg/kg in four samples (B1, B4, B7, and B8), triggering additional STLC wet extraction test (WET) analysis required for waste classification purposes. The STLC results for each of the four chromium samples ranged from 18 micrograms per liter ($\mu\text{g/L}$) at boring B8 to 120 $\mu\text{g/L}$ at boring B1, which is well below the non-hazardous classification limit of 5,000 $\mu\text{g/L}$, indicating the soil will be classified as non-hazardous.

Other Metals

Additional metals were detected above the RL, but did not exceed the established Background Levels or Commercial ESLs.

A summary of the metals results is presented in Table 1.

4.1.2 Organochlorine Pesticides

At least one OCP was detected in four of the 13 samples analyzed. A summary of the OCP detections is as follows:

- 4,4-Dichlorodiphenyldichloroethylene (DDE) was detected above the RL in three of the 13 samples analyzed at concentrations ranging from 0.0099 mg/kg in boring B4 at 0.5 foot bgs to 0.1 mg/kg in boring B1 at 0.5 foot bgs. 4,4-DDE was not detected above the Commercial ESL of 8.3 mg/kg in any of the analyzed samples;
- 4,4-Dichlorodiphenyltrichloroethane (DDT) was detected above the RL in four of the 13 samples analyzed at concentrations ranging from 0.0035 mg/kg in boring B1 at 2 feet bgs to 0.039 mg/kg in boring B1 at 0.5 foot bgs. 4,4-DDT was not detected above the Commercial ESL of 8.5 mg/kg in any of the analyzed samples;
- Chlordane was detected above the RL in two of the 13 samples analyzed at concentrations ranging from 0.029 mg/kg in boring B4 at 0.5 foot bgs and 0.140 mg/kg in boring B1 at 0.5 foot bgs. Chlordane was not detected above the Commercial ESL of 2.2 mg/kg in any of the analyzed samples.

No other OCPs were detected above the RLs in the analyzed samples. A summary of the OCP results is presented in Table 2.

4.1.3 Chlorinated Herbicides

Pentachlorophenol was the only chlorinated herbicide detected above the RLs in the 10 sampled analyzed. Pentachlorophenol was detected at a concentration of 0.0146 mg/kg in boring B10 at 0.5 foot bgs, which is well below the Commercial ESL of 4.0 mg/kg.

No other chlorinated herbicides were detected above RL in any other samples. A summary of the chlorinated herbicide results is presented in Table 3.

4.2 Data Quality Evaluation

Level II QA/QC procedures were observed by the analytical laboratory, Enthalpy Analytical (Enthalpy) following receipt of samples at the laboratory. Enthalpy noted several data qualifiers in the final analytical reports, including the following:

- J = The reported value is an estimate; and
- # = CCV drift is outside limits; average CCV drift is within limits per method.

The laboratory analytical report is provided in Appendix E.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The scope of work was limited to shallow soil sample collection in accessible areas of the Site to determine if impacts from historical use as a plant nursery and landscaping business would warrant further investigation and to assist with forecasting potential disposal and off-hauling costs associated with the planned redevelopment of the Site. Based on the completed scope of work and soil samples analyzed, a summary of findings is as follows:

- Multiple heavy metals were detected above RLs, but below their respective Commercial ESLs or Background Levels, except for at one location. At boring B8, located in the eastern portion of the Site, arsenic was detected at 14 mg/kg in both the 0.5 and 2 feet bgs samples, which is slightly above the Background Level of 12 mg/kg;
- Chromium was detected above the concentration to require additional STLC analysis at four locations (B1, B4, B7, and B8) in the northern and eastern portions of the Site. Results of the STLC analysis for each sample indicated the soil will be classified as non-hazardous;
- At least one OCP compound was detected above RLs in the 0.5 foot bgs sample collected at three locations (B1, B4, and B10) in the central portion of the Site. The 2 foot bgs samples collected and analyzed from each of these locations reported lower concentrations of OCPs when compared to the 0.5 foot samples. OCP concentrations were below Commercial ESLs in each of the analyzed samples; and
- Chlorinated herbicides were not detected above RLs in the 0.5 foot bgs samples collected, except for at one location. At boring B10, located in the southern portion of the investigation area, pentachlorophenol was detected at 0.0146 mg/kg, which is well below the Commercial ESL of 4.0 mg/kg.

Based on results of the analyzed soil samples, soil generated during grading for planned Site redevelopment activities should be classified as non-hazardous and the soil concentrations are below the established Commercial ESLs and/or Background Levels, except for arsenic at one location in the eastern portion of the Site. Citadel recommends no further investigation for the Site. However, Citadel does recommend a soil management plan be prepared if soil grading is planned in the eastern portion of the Site near boring B8 where arsenic concentrations in soil were reported above the Commercial ESL.

6.0 LIMITATIONS

The services performed by Citadel Environmental Services, Inc. ("Citadel"), d.b.a. Citadel EHS, in connection with this Report were performed in accordance with generally and currently accepted engineering practices and principles; provided, however, Citadel completed such services as directed by the Client and the recommendations described in this Report are therefore limited in purpose and scope. The procedures and methodologies used by Citadel in its performance of services, and the recommendations contained herein, are not intended to meet the requirements under any specific laws or regulatory guidelines unless expressly set forth in the Proposal.

The recommendations and conclusions set forth in this Report are based on information and data available to Citadel during the course of its performance of the services. Citadel relied on the information and data provided by or on behalf of Client, including, if applicable, historical and present operations, conditions and test data, and Citadel assumed all such information and data was correct and complete. Citadel shall not be liable for any damages or losses resulting from inaccuracies of, or omissions from, information or data provided by or on behalf of the Client, any interested third-parties, or any federal, state, county, or local governmental authority, or otherwise available in the public domain.

The findings and recommendations presented in this Report are based upon observations of present conditions and may not necessarily indicate future conditions. No conclusions should be construed or inferred other than those expressly stated in this Report. EXCEPT FOR ANY WARRANTIES EXPRESSLY SET FORTH IN THE PROPOSAL OR OTHER WRITTEN AGREEMENT BETWEEN CITADEL AND CLIENT, CITADEL MAKES NO WARRANTIES HEREUNDER WITH RESPECT TO ANY INFORMATION CONTAINED IN THIS REPORT, EXPRESS OR IMPLIED, AND CITADEL HEREBY DISCLAIMS ALL OTHER WARRANTIES.

All testing and remediation methods have reliability limitations, and no method nor number of sampling locations can guarantee that a hazard will be discovered if contamination or other evidence of the hazard is not encountered within the performance of the services as authorized. Reliability of testing or remediation varies according to the sampling frequency and other service variables that were selected by Client. Citadel shall not be at fault or liable for any such limitations.

The information and opinions rendered in this report are exclusively for use and reliance by the Client. The information contained herein may not be used, disclosed, or copied without written permission of the Client and may not be relied upon without the written permission of Citadel.

7.0 REFERENCES CITED

Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Frampton, J.A., and Wright, H., 1996, *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Sciences Special Report, Division of Agriculture and Natural Resources, University of California.

Department of Toxic Substances Control (DTSC), 2018. *Determination of a Southern California Regional Background Arsenic Concentration in Soil*.

San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019. *Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure*. August (Rev. 2).

8.0 SIGNATURES

Report Prepared by:

Doug Whichard

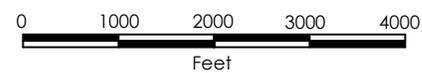
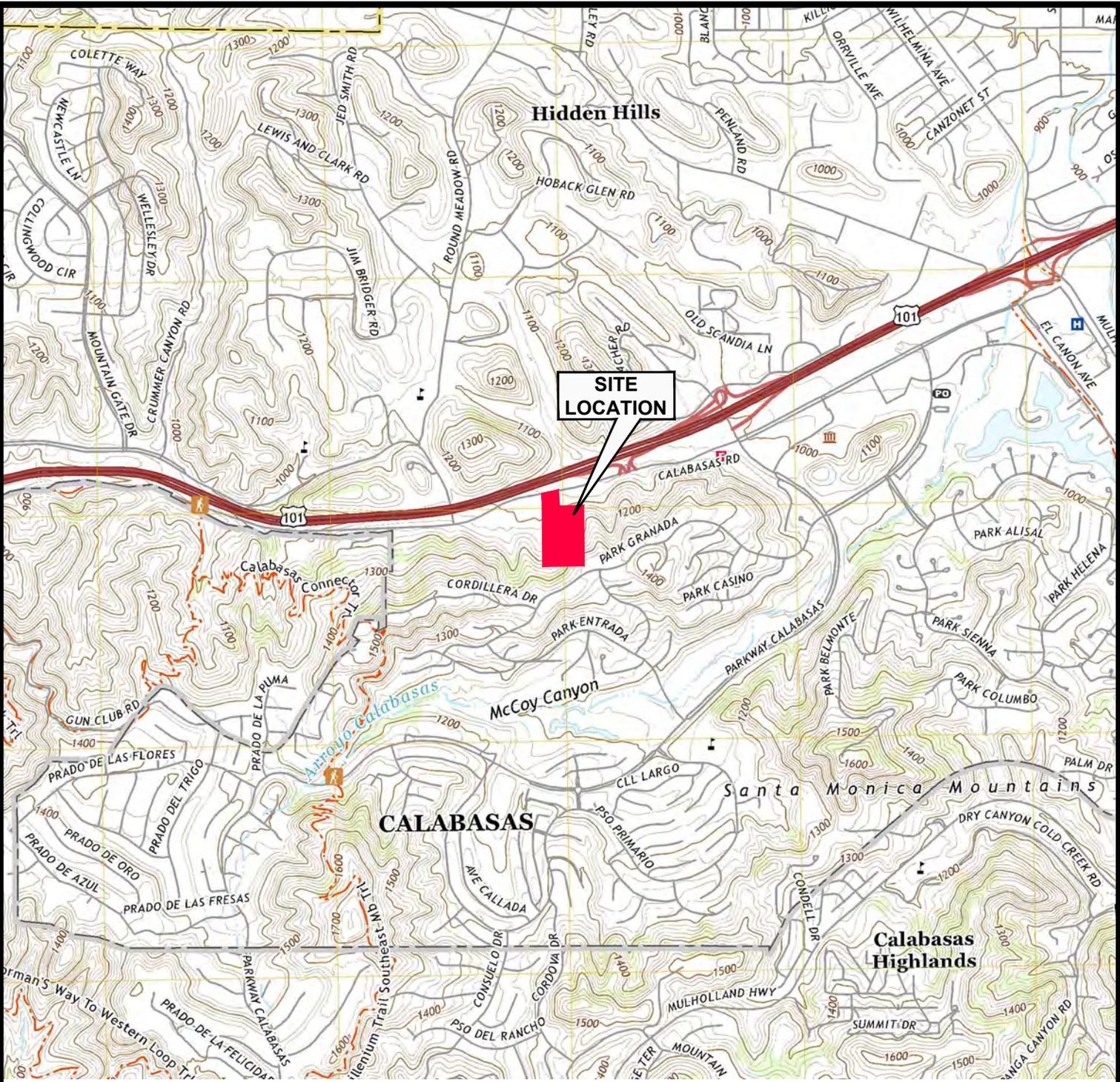
Doug Whichard
Senior Scientist, Engineering and Environmental Sciences

Reviewed by:

Mark Drollinger

Mark Drollinger, M. Eng, CSP
Principal, Engineering and Environmental Sciences

Figures



Map Source:
USGS 7.5' Quadrangle, Calabasas, California, 2022



ENVICOM CORPORATION
24460 Calabasas Road,
Calabasas, California 91302

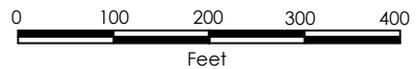
Figure 1	PROJECT NO.: 7109.1098.0
	DATE: SEPTEMBER 2024
Site Location Map	



Approximate Site Boundary



Shallow Soil Boring Location



Source: Google Earth (2024)



ENVICOM CORPORATION
 24460 Calabasas Road,
 Calabasas, California 91302

Figure 2

PROJECT NO.: 7109.1098.0

DATE: SEPTEMBER 2024

Site Map

Tables

Table 1
Summary of Soil Analytical Results - Metals
24460 Calabasas Road
Calabasas, California

Boring ID	Sample Depth (feet bgs)	Date	Arsenic ^{Note 3} (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium ^{Note 4} (mg/kg)	Chromium - STLC Extraction (µg/L)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
SFBRWQCB Commercial ESL^{Note 1}			0.31	220,000	230	1,100	160	--	350	47,000	320	190	5,800	11,000	5,800	5,800	12	5,800	350,000
Southern California Background Metals in Soil ^{Note 2}			12	509	1.28	0.36	122	--	15	28.7	24	0.3	1.3	57	0.06	0.8	0.56	112	149
Threshold to Require STLC Analysis			50	1,000	7.5	10	50	--	800	250	50	2	3,500	200	10	50	70	240	2,500
STLC/TCLP Non-Hazardous Classification Limit			--	--	--	--	--	5,000	--	--	--	--	--	--	--	--	--	--	--
B1	0.5	9/9/2024	7.4	250	0.56	4.9	57	120 J	6.3	38	14	<0.059	9.4	71	0.92 J	0.26 J	<0.92	110	120
B2	0.5	9/9/2024	5.4	86	0.33 J	0.91	17	--	5.2	21	9.8	0.073 J	2.0	15	<0.86	<0.17	<0.91	38	48
B3	0.5	9/9/2024	6.4	240	0.46 J	3.6	43	--	5.4	26	5.9	<0.056	7.7	48	<0.90	<0.17	<0.95	85	68
B4	0.5	9/9/2024	7.7	190	0.49	3.8	52	110 J	5.9	38	12	0.061 J	8.7	58	<0.86	0.22 J	<0.90	110	430
B5	0.5	9/9/2024	5.9	160	0.30 J	1.2	20	--	3.9	13	5.2	<0.056	3.3	22	<0.86	<0.17	<0.91	40	36
B6	0.5	9/9/2024	7.0	160	0.36 J	2.0	24	--	3.4	13	3.2	<0.061	3.5	22	<0.89	<0.17	<0.94	51	34
B7	0.5	9/9/2024	7.6	260	0.59	5.5	64	19 J	6.4	39	4.4	<0.059	11	77	<0.86	0.19 J	<0.91	140	88
B8	0.5	9/9/2024	14	400	0.49	7.6	55	18 J	3.4	47	3.8	0.095 J	9.9	98	<0.87	0.18 J	<0.92	150	100
	2	9/9/2024	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B9	0.5	9/9/2024	5.6	200	0.35 J	3.7	46	--	3.9	47	14	0.11 J	6.2	49	<0.86	0.50	<0.91	88	110
B10	0.5	9/9/2024	6.6	250	0.44 J	3.7	44	--	5.4	32	12	0.066 J	8.5	52	<0.90	0.18 J	<0.95	87	95

Notes:

Samples analyzed using USEPA Method 6010B and Method 7471A for Mercury.

Detections above the laboratory reporting limit are emboldened.

Yellow shaded values exceed the SFBRWQCB commercial ESL and/or the Southern California Background Level (Commercial ESL is excluded from consideration for arsenic; background level is used instead).

Values shown in red font exceed the threshold which triggers STLC analysis for waste characterization.

^{Note 1} SFBRWQCB, Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure, 2019 (Rev. 2).

^{Note 2} Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Frampton, J.A., and Wright, H., 1996, Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Sciences Special Report, Division of Agriculture and Natural Resources, University of California.

^{Note 3} Department of Toxic Substances Control (DTSC), 2018. Determination of a Southern California Regional Background Arsenic Concentration in Soil.

^{Note 4} ESL value shown is the Tier 1 ESL for total chromium.

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board.

bgs = Below ground surface.

mg/kg = Milligrams per kilogram.

µg/L = Micrograms per liter.

STLC = Soluble Threshold Limit Concentration.

ESL = Environmental Screening Level.

<0.010 = Not detected above the noted laboratory method detection limit.

J = The reported value is an estimate.

Table 2
Summary of Soil Analytical Results - Organochlorine Pesticides
 24460 Calabasas Road
 Calabasas, California

Boring ID	Sample Depth <i>(feet bgs)</i>	Date	4,4-DDE <i>(mg/kg)</i>	4,4-DDT <i>(mg/kg)</i>	Chlordane <i>(mg/kg)</i>	Other Organochlorine Pesticides <i>(mg/kg)</i>
SFBRWQCB Commercial ESLs ^{Note 1}			8.3	8.5	2.2	Varies
B1	0.5	9/9/2024	0.100	0.039	0.140	ND
	2	9/9/2024	0.025	0.0035 #, J	<0.026	
B2	0.5	9/9/2024	<0.0032	<0.0027	<0.028	
B3	0.5	9/9/2024	<0.0032	<0.0027	<0.028	
B4	0.5	9/9/2024	0.0099	0.035	0.029 J	
	2	9/9/2024	<0.0032	<0.0027	<0.028	
B5	0.5	9/9/2024	<0.0032	<0.0027	<0.028	
B6	0.5	9/9/2024	<0.0031	<0.0026	<0.027	
B7	0.5	9/9/2024	<0.0031	<0.0027	<0.027	
B8	0.5	9/9/2024	<0.0031	<0.0026	<0.027	
B9	0.5	9/9/2024	<0.0031	<0.0026	<0.027	
B10	0.5	9/9/2024	<0.0031	0.0063	<0.027	
	2	9/9/2024	<0.0032	<0.0027	<0.028	

Notes:

Samples analyzed using USEPA Method 8081A.

Detections above the laboratory reporting limit are emboldened.

^{Note 1} SFBRWQCB, Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure, 2019 (Rev. 2).

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board.

ESL = Environmental Screening Level.

DDE = Dichlorodiphenyldichloroethylene.

DDT = Dichlorodiphenyltrichloroethane.

-- = No value established.

<0.010 = Not detected above the noted laboratory reporting limit.

ND = Not detected above the laboratory reporting limit.

bgs = Below ground surface.

mg/kg = Milligrams per kilogram.

J = The reported value is an estimate.

= CCV drift outside limits; average CCV drift within limits per method.

Table 3
Summary of Soil Analytical Results - Chlorinated Herbicides
 24460 Calabasas Road
 Calabasas, California

Boring ID	Sample Depth <i>(feet bgs)</i>	Date	Pentachlorophenol mg/kg	Other Chlorinated Herbicides mg/kg
SFBRWQCB Commercial ESLs ^{Note 1}			4.0	Varies
B1	0.5	9/9/2024	<0.00250	ND
B2	0.5	9/9/2024	<0.00250	
B3	0.5	9/9/2024	<0.00250	
B4	0.5	9/9/2024	<0.00250	
B5	0.5	9/9/2024	<0.00250	
B6	0.5	9/9/2024	<0.00250	
B7	0.5	9/9/2024	<0.00250	
B8	0.5	9/9/2024	<0.00250	
B9	0.5	9/9/2024	<0.00250	
B10	0.5	9/9/2024	0.0146	

Notes:

Samples analyzed using USEPA Method 8151A.

Detections above the laboratory reporting limit are emboldened.

^{Note 1} SFBRWQCB, Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure, 2019 (Rev. 2).

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board.

ESL = Environmental Screening Level.

<0.010 = Not detected above the noted laboratory reporting limit.

ND = Not detected above the laboratory reporting limit.

bgs = Below ground surface.

mg/kg = Milligrams per kilogram.

Appendix A

Health and Safety Plan



Envicom Corporation
4165 East Thousand Oaks Boulevard, Suite 290
Westlake Village, California 91362

Health and Safety Plan

September 9, 2024

Citadel Project Number 7109.1098.0

24460 Calabasas Road
Calabasas, California, 91302

www.CitadelEHS.com

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1.0 SITE DESCRIPTION

Citadel EHS (Citadel) has prepared this Health and Safety Plan (HASP) for Envicom Corporation (Client) for use during soil disturbing activities for the property located at 24460 Calabasas Road in the City of Calabasas, California (Site). Activities conducted under Citadel's direction at the Site will be compliant with applicable Occupational Safety and Health Administration (OSHA) regulations, particularly those in Title 8 California Code of Regulations (CCR) 5192, and other applicable federal, state, and local laws, regulations, and statutes. A copy of this HASP will be kept onsite during scheduled field activities.

2.0 BACKGROUND

In June 2024, Citadel submitted a Phase I Environmental Site Assessment (Phase I ESA) for the Site. Based on the findings, Citadel identified the following recognized environmental condition (REC).

- Historical sources indicate that the Site was previously developed as a nursery and landscaping business situated on sloped terrain. Historical use of landscaping materials on the Site represents a REC based on the potential use and storage of pesticides

Based on the REC, Citadel recommended conducting a Limited Phase II Site Investigation consisting of the collection of representative soil shallow samples to evaluate the near surface for the presence of organochlorine pesticides, chlorinated herbicides, and heavy metals.

3.0 SAFETY POLICY

Safety will be given primary importance in the planning and operation of this project. The safety policy shall strictly adhere to current EPA and OSHA standards, and local government agency requirements having authority over the project as regards to Client employees, as well as to public safety. Some of the applicable health and safety standards are listed below:

- 40 Code of Federal Regulations Part 261, Identification and Listing of Hazardous Waste;
- Health and Safety Code, Division 20, Chapter 6.5, California Hazardous Waste Control Act;
- Title 8, California Code of Regulations, Section 1510, Safety Instruction for Employees;
- Title 8, California Code of Regulations, Section 3380, Personal Protective Equipment;
- Title 8, California Code of Regulations, Section 5144, Respiratory Protection;
- Title 8, California Code of Regulations, Section 5194, Hazard Communication; and
- Title 22, California Code of Regulations, Division 4.5, Environmental Health Standards for the Management of Hazardous Waste.

Each subcontracting firm will assume primary responsibility for the safety of their own work with respect to their employees. Subcontractors will assume the duty to comply with OSHA, and all other federal, state and local regulations.

The subcontractors' work will be monitored by Citadel staff for implementation of this HASP, while adhering to their own safety program. The Client will retain the authority and power to enforce this HASP during the progress of the work. Any deficiencies in subcontractor safe work practices will be brought to the attention of the subcontractor firm's supervisor for immediate corrective

action. If the subcontractor fails or refuses to take corrective action promptly, a stop work order shall be issued and the subcontractor or the subcontractor employee may be removed from the Site.

4.0 WORK DESCRIPTION

Citadel will advance a total of 10 shallow borings across the sloped landscape of the Site to a depth of two feet below ground surface. Soil samples will be collected from six inches and two feet bgs from each shallow boring. The borings will be advanced using a hand auger. During hand auguring, soil will be visually evaluated and described using the Unified Soil Classification System and recorded in the field notes.

The soil samples will be labeled, placed in a chilled cooler, handled under Chain-of-Custody (COC) protocols, and transported to a State-certified laboratory for analysis. Soil samples collected at approximately six-inches will be analyzed for organochlorinated herbicides by United States Environmental Protection Agency (EPA) Method 8081A, organophosphorus pesticides by EPA Method 8141A, and Title 22 metals by EPA Methods 6010B/7471. The soil samples from two feet bgs will be placed on hold at the laboratory and will be considered for analysis only if warranted based on results of the shallow samples.

5.0 KEY PROJECT PERSONNEL AND RESPONSIBILITIES

Project Manager	Doug Whichard (Citadel)
Site Safety Officer (SSO)/Project Monitor	Brendan Miller (Citadel)
	Quinn Elizondo (Citadel)

PROJECT MANAGER

The Project Manager has the ultimate responsibility for the health and safety of personnel at the Site. The Project Manager is responsible for:

- Ensuring that project personnel review and understand the requirements of this HASP;
- Keeping on-site personnel informed of the expected hazards and appropriate protective measures at the Site; and
- Providing resources necessary for maintaining a safe and healthy work environment.

SITE SAFETY OFFICER/PROJECT MONITOR

The SSO is responsible for enforcing the requirements of this HASP once site work begins. The SSO has the authority to immediately correct situations where noncompliance with this HASP is noted and to immediately stop work in cases where an immediate danger to site workers or the environment is perceived. Responsibilities of the SSO also include:

- Obtaining and distributing PPE and air monitoring equipment necessary for this project;
- Limiting access at the Site to authorized personnel;
- Communicating unusual or unforeseen conditions at the Site to the Project Manager;
- Supervising and monitoring the safety performance of site personnel to evaluate the effectiveness of health and safety procedures and correct deficiencies;
- Conducting daily tailgate safety meetings before each day's activities begin; and
- Conducting a site safety inspection prior to the commencement of each day's field activities.

CONTRACTOR AND SUBCONTRACTOR PERSONNEL

Subcontractor personnel are expected to comply with the minimum requirements specified in this HASP. Failure to do so may result in the dismissal of the subcontractor or any of the subcontractor's workers from the job site. Subcontractors may employ health and safety procedures that afford them a greater measure of personal protection than those specified in this plan as long as they do not pose additional hazards to themselves, the environment, or others working in the area.

6.0 SITE CONTROL MEASURES

The SSO or Project Manager has been designated to coordinate access and security on site. The Client is responsible for general Site safety and each on-Site contractor must comply with their site-specific safety plan.

7.0 STANDARD OPERATING PROCEDURES

GENERAL SAFETY

- Maintain good housekeeping at all times in all project work areas.
- Check the work area to determine what problems or hazards may exist.
- Designate specific areas for the proper storage of materials.
- Store tools, equipment, materials, and supplies in an orderly manner.
- Provide containers for collecting trash and other debris.
- Clean up all spills quickly.
- Report unsafe conditions or unsafe acts to your supervisor immediately.
- Report all occupational illnesses, injuries, and vehicle accidents.
- Do not wear loose clothing, wristwatches, and other loose accessories when within arm's reach of moving machinery.
- Emergency exits and evacuation areas should be clearly marked during work activities.
- Personnel fall protection is required when climbing to perform maintenance six feet or higher above ground.
- Inspect hand tools and use proper PPE.
- Ensure proper grounding and guarding of equipment.
- Keep hands and fingers out of pinch points.
- Use good ergonomic posturing when working with heavy items.

COMMUNICATION PROCEDURES

Due to the close proximity of all field crew members, the necessity for radio communication is not necessary.

The following standard hand signals will be used:

Hand drawn across throat	Cease operation immediately
Hand gripping throat	Out of air, cannot breathe
Grip partner's wrist or both hands around waist	Leave area immediately
Hands on top of head	Need assistance
Thumbs up	OK, I am alright, understood
Thumbs down.....	No, negative

FIELD VEHICLES

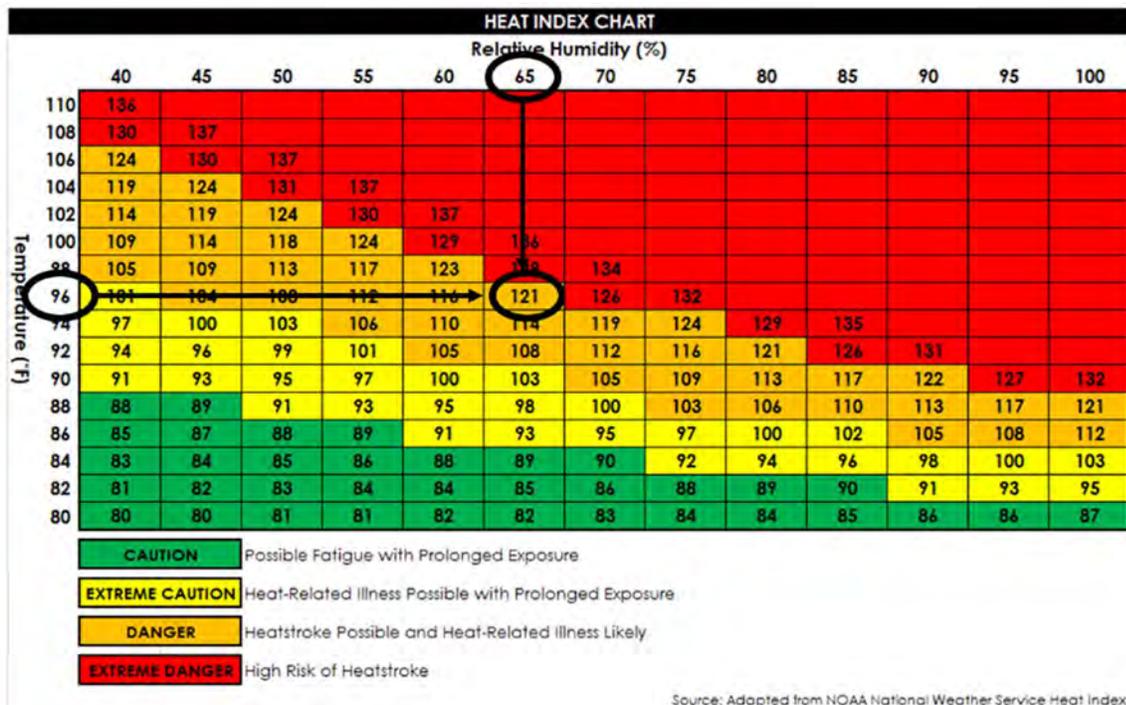
- Equip vehicles with emergency supplies and equipment.
- Maintain both a first aid kit and fire extinguisher in the field vehicle at all times.
- Utilize a rotary beacon on vehicle if working adjacent to active roadway.
- Always wear seatbelt while operating vehicle.
- Tie down loose items.

MANUAL LIFTING

- Personnel shall seek assistance when performing manual lifting tasks that appear beyond their physical capabilities.
- Assess the situation before lifting, ensure good lifting and body positioning practices, and ensure good carrying and setting down practices.

HEAT EXPOSURE

- Limit exposure to the sun or take extra precautions when the UV index rating is high.
- Take lunch and breaks in shaded areas.
- Create shade by using umbrellas, tents, and canopies.
- Wear proper clothing: long sleeved shirts with collars, long pants, and UV-protective sunglasses or safety glasses.
- Apply sunscreen generously to all exposed skin surfaces at least 20 minutes before exposure. Re-apply sunscreen at least every 2 hours, and more frequently when sweating or performing activities where sunscreen may be wiped off.
- Communicate any concerns regarding heat stress to a supervisor.
- Keep hydrated throughout the day (about 4 cups per hour).
- OSHA's Heat Index:



OTHER HAZARDS

Unknown Subsurface Structures: Low to Medium Hazard. If any unknown subsurface structures such as USTs, clarifiers, vaults, conduit, Transite pipe, piping, or construction debris are encountered during excavation, all work will stop in the immediate vicinity of the encountered structure and the Contractor and SSO immediately notified.

Utilities (Under Ground and Above Ground): Low Hazard. All boring locations will be hand drilled to approximately five feet bgs and stop work will be enforced if any utilities are encountered.

Biological Hazards: Low to Medium Hazard. Beware of spiders, insects and other possible animals.

Site Instability: Low to Medium Hazard. The Site will be inspected prior to equipment placement and closely monitored. Any settling of the equipment will cause the work to stop immediately.

Equipment Refueling: Low Hazard. Equipment shall not be refueled with the engine running. Cigarettes, open flames, or other ignition sources are not allowed within 50 feet of the fueling location.

Personnel Injury: Upon notification of an injury, the Project Field Leader should evaluate the nature of the injury, and the affected person should be decontaminated to the extent possible prior to movement. The Project Field Leader shall initiate the appropriate first aid, and contact should be made for an ambulance and with the designated medical facility (if required).

Fire/Explosion: The fire department shall be alerted, and all personnel moved to a safe distance from the involved area.

Other Equipment Failure: If any other equipment on site fails to operate properly, the Project Team Leader shall be notified and then determine the effect of this failure on continuing operations on site. If the failure affects the safety of personnel or prevents completion of the Work Plan tasks, work will cease until the situation is evaluated and appropriate actions taken.

COVID-19 FIELD WORK PREVENTION GUIDELINES

The following guidelines were prepared to prevent COVID-19 transmission while performing essential field work activities at the Site.

1. **Stay at least six feet from others** whenever possible. Avoid, or at least **minimize close contact with others**. Close contact means being within six feet of someone else for more than 15 minutes. By CDC guidelines, being in close contact for extended periods of time can greatly increase your risk of exposure even with face covering. *Keep your distance even when wearing face covering or PPE.*
2. **Wear face covering in public and anytime you will interface with others**, regardless of time. *Distance and face covering are likely the two best methods available to minimize exposures.*
3. **Wash your hands frequently and avoid touching your face, nose and mouth with unwashed hands**. The wearing of gloves will not fully protect you from COVID-19. Even when you wear gloves for protection against chemicals, wash hands frequently to minimize exposure. Be careful when putting on and taking off PPE to avoid contamination of hands in the process and then touching face, nose or mouth with unwashed hands. *Do not rely on hand sanitizers – choose to use soap and water as much as possible.*

4. **Clean and disinfect surfaces you come into contact and minimize touching commonly used surfaces whenever possible.** Cleaning and disinfecting surfaces would not be as important if everyone were wearing face covering and washing their hands more regularly. But because individual behaviors vary quite a bit, we need to do what we can to protect ourselves and others by routinely cleaning and disinfecting the things we touch. How often will depend on how often you touch a surface or object and whether others are likely to come into contact with it as well. *Cleaning and disinfecting helps reduce exposure, but don't rely on it as a replacement for distancing, face covering and hand washing.*
5. **Monitor your own health** for COVID-19 symptoms and **stay at home**, away from others, if symptoms develop. The sooner you self-isolate, the more you lessen the chance of spreading it to others, regardless of whether it is COVID-19, the flu or some other contagion.

DUST MONITORING

SCAQMD requires that Rule 403 for Fugitive Dust be followed to reduce the amount of particulate matter entrained into ambient air as a result of normal construction activities. This rule is intended to limit the emissions of fugitive dust or particulate matter from a variety of activities and sources such as construction sites, bulk material hauling, unpaved parking lots, and disturbed soil in open areas and vacant lots; this rule applies to any activity or man-made condition capable of generating fugitive dust.

Rule 403 requires that fugitive dust generated during any activity or man-made condition such as excavation, drilling, demolition, construction, and soil disturbance, shall be prevented, reduced or mitigated.

- As part of all earth moving and construction/demolition activities, disturbed surface area, or heavy and light duty vehicular movement, no person shall cause or allow the emissions of fugitive dust from any active operation, open storage pile, or disturbed surface area such that:
 - The dust remains visible in the atmosphere beyond the property line of the emission source; or
 - The dust emission exceeds 20 percent opacity (as determined by the appropriate test method included in the Rule 403 Implementation Handbook) if the dust emission is the result of movement of a motorized vehicle.
- All onsite activities shall be conducted utilizing the best available control measures included in Table 1 of the Rule, to minimize fugitive dust emissions from each dust source type, such as high-pressure water sprayers, fire hoses, and water trucks where applicable.
- DustTrak monitors may be used to determine fugitive dust emissions in the ambient air at the Site. Per Rule 403, no person shall cause or allow PM_{10}^1 levels to exceed 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) when determined, by simultaneous sampling, as the difference between upwind and downwind samples collected on high-volume particulate matter samplers or other U.S. EPA-approved equivalent method for PM_{10} monitoring.

¹ PM_{10} means particulate matter with an aerodynamic diameter smaller than or equal to 10 microns as measured by the applicable State and Federal reference test methods.

- Track-out shall not extend to 25 feet or more in cumulative length from the point of origin of an active operation. Notwithstanding this, all track-out shall be removed at the conclusion of each workday or evening shift.
- No person shall conduct an active operation with a disturbed surface area of five or more acres, or with a daily import or export of 100 cubic yards or more of bulk material without utilizing at least one of the five measures listed in the rule at each vehicle egress from the Site to a public paved road.

8.0 EXPOSURE MONITORING

Based on previous investigations, the chemicals of potential concern (COPC) for the Site have been determined to be Organochlorine Pesticides and heavy metals. The SSO will monitor on-site worker exposure to airborne contaminants during Site activities. Measurements should be taken within the breathing zones of workers. A PID will be used to monitor changes in exposure. The PID shall be calibrated daily in the field and undergo annual maintenance including calibration by a certified provider. If stained or odorous soil or fumes are discovered during excavation, work should stop in that area, and an environmental consultant be notified.

The following substances will likely be encountered on Site; the primary hazards of each are identified.

<u>Substances</u>	<u>Concentration</u>	<u>Primary Hazards</u>
Heavy Metals	Various	Ingestion, inhalation, skin, eye contact
Organochlorine Pesticides:	Various	Ingestion, inhalation

Heavy Metals: Typically, the main threats to human health from heavy metals are associated with exposure to lead, cadmium, mercury and arsenic. Cadmium compounds are currently mainly used in re-chargeable nickel-cadmium batteries. Recent data indicate that adverse health effects of cadmium exposure is primarily in the form of kidney damage but possibly also bone effects and fractures. The general population is primarily exposed to mercury via food, fish being a major source of methyl mercury exposure, and dental amalgam. The general population does not face a significant health risk from methyl mercury, although certain groups with high fish consumption may attain blood levels associated with a low risk of neurological damage to adults and a risk to the fetus in pregnant women. The general population is exposed to lead from air and food in roughly equal proportions. Children are particularly susceptible to lead exposure due to high gastrointestinal uptake and the permeable blood-brain barrier. Recent data indicating that there may be neurotoxic effects of lead at lower levels of exposure than previously anticipated. Exposure to arsenic is mainly via intake of food and drinking water, food being the most important source in most populations. Long-term exposure to arsenic in drinking-water is mainly related to increased risks of skin cancer, but also some other cancers, as well as other skin lesions such as hyperkeratosis and pigmentation changes. Occupational exposure to arsenic, primarily by inhalation, is causally associated with lung cancer.

Organochlorine Pesticides: OCPs are pesticides composed of chlorinated hydrocarbons used extensively from the 1940s through the 1960s in agriculture and mosquito control. Representative compounds in this group include chlordane, DDT, heptachlor, dieldrin, toxaphene, mirex, kepone, lindane, and benzene hexachloride. As neurotoxicants, many organochlorine pesticides were banned in the United States, although a few are still registered for use in this country. OCPs accumulate in the environment. They are very persistent and move long distances in surface runoff or groundwater. Prior to the mid-1970s, organochlorines resulted in widespread reproductive failure among birds because birds laid eggs with thin shells that cracked before hatching. People can be

exposed to organochlorine pesticides through accidental inhalation exposure if in area where they were recently applied. The chemicals can also be ingested in fish, dairy products, and other fatty foods that are contaminated. Exposure to OCPs over a short period may produce convulsions, headache, dizziness, nausea, vomiting, tremors, confusion, muscle weakness, slurred speech, salivation and sweating. Long-term exposure to OCPs may damage the liver, kidney, central nervous system, thyroid and bladder. Many of these pesticides have been linked to elevated rates of liver or kidney cancer in animals. There is some evidence indicating that organochlorine pesticides may also cause cancer in humans.

ACTION LEVELS AND EXPOSURE LIMITS

If strong odor is encountered during excavation, work in the area should stop and the Environmental Consultant contacted immediately to assess the area for the potential presence of COPCs and initiate a response. Appropriate responses may include upgrading PPE requirements, additional testing, or continuous air monitoring.

Other Heavy Metals

The required OSHA PEL for cobalt and copper is no greater than an 8-hour TWA of 0.2 and 1 mg/m³, respectively. Using the maximum cobalt and copper concentrations from B.L.'s stockpile sampling of 12.2 and 737 mg/kg, respectively, and a safety factor of 2 times (200%) results in a TDAL for cobalt and copper of 8,197 and 678 mg/m³, respectively. Based on the TDALs, dust mitigation measures or work stoppage will occur for PM₁₀ concentrations exceeding 0.05 mg/m³ prior to exceeding the TDAL's for cobalt or copper.

9.0 PERSONAL PROTECTIVE EQUIPMENT

The purpose of PPE is to protect employees from hazards and potential hazards they are likely to encounter during site activities. The amount and type of PPE used will be based on the nature of the hazard encountered or anticipated. Respiratory protection will be utilized when an airborne hazard has been identified using real-time air monitoring devices, or as a precautionary measure in areas designated by the SSO, elevating to level C. If this occurs, contractor personnel shall be respirator-approved.

Dermal protection, primarily in the form of chemical-resistant gloves and coveralls, will be worn whenever contact with chemically affected materials is anticipated, without regard to the level of respiratory protection required.

Based on evaluation of potential hazards, the following levels of personal protection have been designated for the applicable work areas or tasks:

<u>Location</u>	<u>Job Function</u>	<u>Level of Protection</u>
Controlled Area	All Workers	A B C D Other

Specific protective equipment for each level of protection is as follows:

Level A

- Fully-encapsulating suit
- SCBA
- Disposable coveralls

Level C

- Splash gear
- Half-face canister respirator with H₂S/VOC cartridge
- Mouth/nose canister respirator
- Efficiency 100 (HEPA)

Level B

Splash gear
SCBA

Level D

Hard hat
Ear plugs
Neoprene or leather gloves - nitrile gloves
Safety vests and Glasses
Hard toe boots

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE SSO OR PROJECT MANAGER.

10.0 DECONTAMINATION PROCEDURES

Despite protective procedures, personnel may come in contact with potentially hazardous compounds while performing work tasks. If so, decontamination needs to take place using an Alconox or tri-sodium phosphate (TSP), followed by a rinse with clean water. Standard decontamination procedure for levels C and D are as follows:

- Equipment drop
- Boot cover and outer glove wash and rinse
- Boot cover and out glove removal
- Suit wash and rinse
- Suit removal
- Safety boot wash and rinse
- Inner glove wash and rinse
- Respirator removal
- Inner glove removal
- Field wash of hands and face

Workers should employ only applicable steps in accordance with level of PPE worn and extent of contamination present. The SSO shall maintain adequate quantities of clean water to be used for personal decontamination (i.e. field wash of hands and face) whenever a suitable washing facility is not located in the immediate vicinity of the work area. Disposable items will be disposed of in an appropriate container. Wash and rinse water generated from decontamination activities will be handled and disposed of properly. Non-disposable items may need to be sanitized before reuse. Each site worker is responsible for the maintenance, decontamination, and sanitizing of his/her own PPE.

Used equipment may be decontaminated as follows:

- An Alconox or TSP and water solution will be used to wash the equipment.
- The equipment will then be rinsed with clean water.

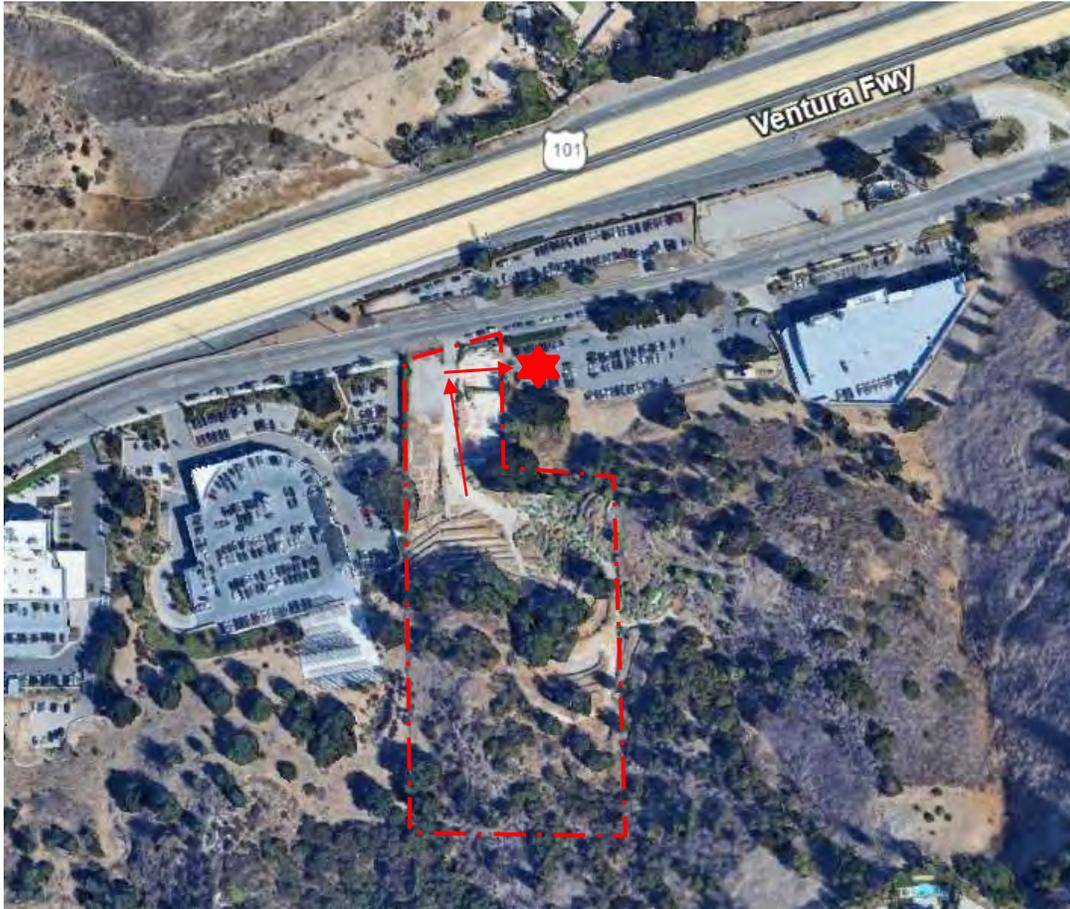
Each person must follow these procedures to reduce the potential for transferring chemically affected materials offsite.

11.0 EMERGENCY PROCEDURES

In the event of an emergency, site personnel will signal distress with three blasts of a horn (a vehicle horn will be sufficient), or other predetermined signal. Communication signals, such as hand signals, must be established where communication equipment is not feasible or in areas of loud noise.

The SSO will designate evacuation routes and refuge areas to be used in the event of an emergency. Site personnel will stay upwind from vapors or smoke and upgradient from spills. Workers should exit through the established decontamination areas wherever possible. If evacuation cannot be done through an established decontamination area, site personnel will go to the nearest safe location and remove contaminated clothing there. Personnel will assemble at the predetermined refuge following evacuation and decontamination. The SSO will count and identify site personnel to verify that all personnel have been evacuated safely. Please refer to Figure 1.0 for the evacuation route and refuge location and Figure 2.0 for directions to the designated medical facility.

FIGURE 1.0 – EVACUATION ROUTE AND REFUGE AREA



 = Approximate Project Boundaries

 = Refuge Area

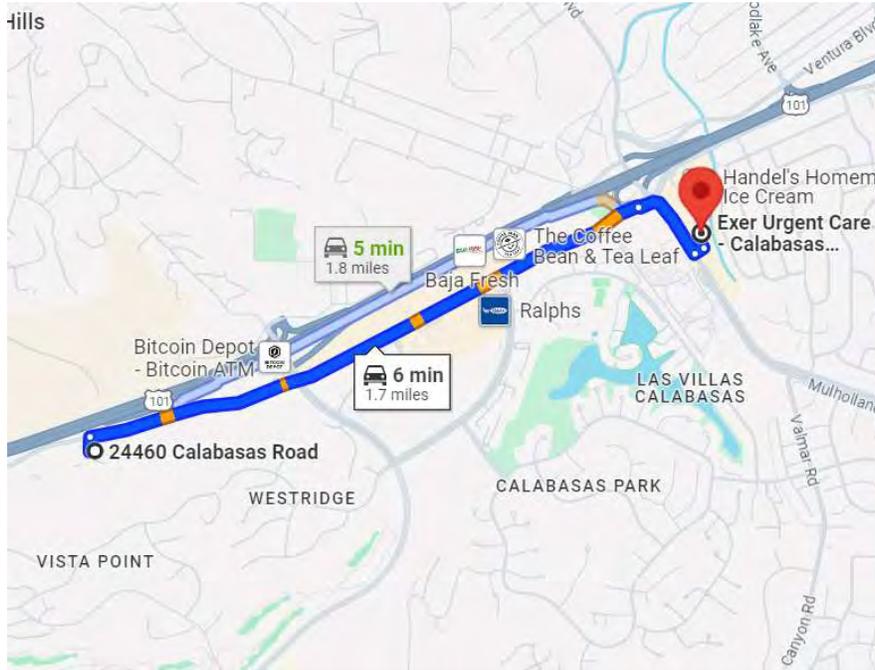
 = Excavation Route

Evacuation routes and refuge areas may change during the course of the project.

FIGURE 2.0 – DESIGNATED MEDICAL FACILITY

The designated medical facility is:

Exer Urgent Care – Calabasas – Mulholland Dr
 23341 Mulholland Dr,
 Woodland Hills, CA 91364
 (818) 637-0048



Directions:

Turn right onto Calabasas Rd	1.4 mi
Turn right onto Mulholland Dr	0.2 mi
Destination will be on the left	

Local ambulance service is available from:

Name: Local Paramedics
Phone: 911

First-aid equipment is available in the SSO's vehicle.

List of emergency phone numbers:

<u>Agency/Facility</u>	<u>Phone</u>
Police/Fire	911
Hospital	(818) 880 - 3755

12.0 SIGNATURES

This HASP has been prepared by:

Quinn Elizondo

Quinn Elizondo
Staff Geologist, Engineering and Environmental Sciences

This HASP has been reviewed by:

Doug Whichard

Doug Whichard
Senior Scientist, Engineering and Environmental Sciences

Appendix B

Dig Alert Ticket

This document is not a certified record of Underground Service Alert

MBRCOD 00000 USAS 09/03/24 10:28 B242470454-00B NORM NEW POLY

Ticket : B242470454 Rev: 00B Created: 09/03/24 10:28 User: DWHICHARD

Chan: WEB

Work Start: 09/09/24 07:01 Legal Start: 09/09/24 07:01 Expires: 10/01/24 23:59

Response Required: Y Priority: NORM

Excavator Information

Company: CITADEL ENVIRONMENTAL SERVICES, INC.

Co Addr: 1725 VICTORY BLVD

City : GLENDALE State: CA Zip: 91201

Created By: DOUG WHICHARD Language: ENGLISH

Office Phone: 818-246-2707 SMS/Cell: 925-784-1541

Office Email: DWHICHARD@CITADELEHS.COM

Site Contact: DOUG WHICHARD

Site Phone: SMS/Cell: 925-784-1541

Site Email: DWHICHARD@CITADELEHS.COM

Excavation Area

State: CA County: LOS ANGELES Place: CALABASAS/HIDDEN HILLS

Zip: 91302

Location: FRONT OF ADDRESS;

Address/Street : 24460 CALABASAS RD

: X/ST 1 : MUREAU RD

: X/ST 2 :

: FRONT OF ADDRESS;

Delineated Method: NONE

Work Type: HAND AUGERING

Work For : ENVICOM CORPORATION

Hash Tags:

Members:

ATDSOUTH

EMERGENCY

AT&T DIST. DAMAGE PREVENTION

888-290-3111

G00559@ATT.COM

VACUUM

AT&T DIST. DAMAGE PREVENTION

888-290-3111

G00559@ATT.COM

NO RESPONSE

AT&T DIST. DAMAGE PREVENTION

888-290-3111

G00559@ATT.COM

CALB01
EMERGENCY
LUIS HERNANDEZ
CALABASAS, CA 91302
818-515-5692
JHERNANDEZ@CITYOFCALABASAS.COM

VACUUM
LUIS HERNANDEZ
CALABASAS, CA 91302
818-224-1684
JHERNANDEZ@CITYOFCALABASAS.COM

NO RESPONSE
LUIS HERNANDEZ
CALABASAS, CA 91302
818-224-1684
JHERNANDEZ@CITYOFCALABASAS.COM

CRMSNPIP
EMERGENCY
CONTROL CENTER
LONG BEACH, CA 90806
866-351-7473
CCENTER@CRIMSONPL.COM

VACUUM
SHENAN DEAN LOVRIEN
SIGNAL HILL, CA 90755
562-285-4107
SDLOVRIEN@CRIMSONPL.COM

NO RESPONSE
SHENANDEAN LOVRIEN
SIGNAL HILL, CA 90755
562-285-4107
SDLOVRIEN@CRIMSONPL.COM

LVW23
EMERGENCY
DUANE BOCKELMAN
818-251-2256

VACUUM
MIKE HAND
CALABASAS, CA 91302
818-251-2260

MHAND@LVMWD.COM

NO RESPONSE
DUANE BOCKELMAN
818-251-2256

MCISOCAL
EMERGENCY
FIBER SECURITY DEPT
800-624-9675

VACUUM
MCI OPERATOR
800-289-3427

NO RESPONSE
MANAGER FIBER SECURITY
800-289-3427

SCG45T
EMERGENCY
JOHN CARDILINO
805-681-7968
JCARDILINO@SOCALGAS.COM

VACUUM
ALLOWED BUT CAN BE REFUSED

NO RESPONSE
JOHN CARDILINO
805-681-7968
JCARDILINO@SOCALGAS.COM

SCG4U2
EMERGENCY
GAS CO CALL CENTER
800-427-2200

VACUUM
ALLOWED BUT CAN BE REFUSED

NO RESPONSE
JULIAN FLORES
310-912-8538
JFLORES6@SOCALGAS.COM

UCHTRW_N3
EMERGENCY
SPECTRUM EMERGENCY ONLY

844-780-6054

VACUUM
NATASCHA FUCSIK
LOS ANGELES, CA 90045
310-216-3545
NATASCHA.FUCSIK@CHARTER.COM

NO RESPONSE
NATASCHA FUCSIK
LOS ANGELES, CA 90045
310-216-3545
NATASCHA.FUCSIK@CHARTER.COM

USCENC
EMERGENCY
SC EDISON PERSONNEL
800-611-1911

VACUUM
GILBERT ACEVES
CHINO, CA 91710
909-548-7249
GILBERT.ACEVES@SCE.COM

NO RESPONSE
UTILIQUEST
678-831-2444

UTFTRCA01
EMERGENCY
FRONTIER CALL CENTER
800-921-8106

VACUUM
UTILIQUEST FOR FRONTIER COMMUN
323-342-5552

NO RESPONSE
UTILIQUEST FOR FRONTIER
323-342-5552

Appendix C

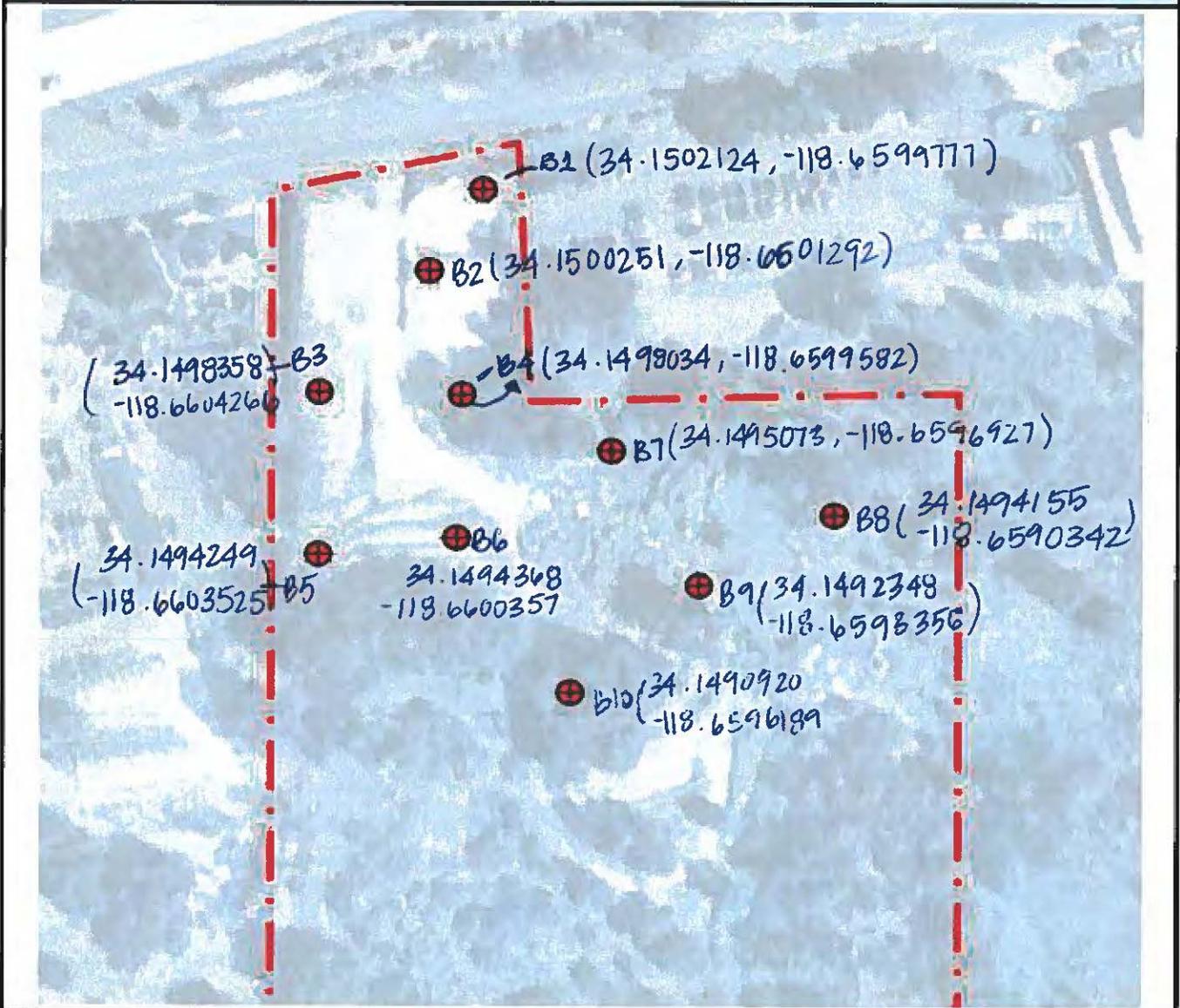
Citadel Field Notes

**CITADEL EHS
PROJECT DOCUMENTATION**



CLIENT	Envicom Corporation	PAGE	2 OF 2
PROJECT NUMBER	7109.1098.0	CITADEL REPRESENTATIVE	Brendan Miller, Quinn Elizondo
PROJECT NAME	Limited Phase II Site Investigation	CONTRACTOR	-
PROJECT WORK AREA		SUPERVISOR	Doug Whichard
PROJECT LOCATION	24460 Calabasas Road, Calabasas, CA		

FIELD SKETCH



CITADEL REPRESENTATIVE: Quinn Elizondo, Brendan Miller	Day Monday
SIGNATURE: Quinn Elizondo, Brendan Miller	DATE: 9.9.24

Appendix D

Citadel Boring Logs

B1-05

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
 BOREHOLE LOCATION (AT SITE): _____
 CONTRACTOR AND DRILL RIG: _____
 SOIL SAMPLING EQUIPMENT/METHOD: Hand auguring
 MONITORING DEVICE: _____
 FIRST WATER (FT BGS): _____ PROBE/SCREEN INTERVAL (FT BGS): _____
 STABILIZED WATER (FT BGS)/TIME: _____ SCREEN SLOT SIZE (IN): _____
 EVIDENCE OF NON-NATIVE FILL: Y / N _____ BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N _____

PROJECT NO.: 7109.1098.0
 LOGGED BY: Brendan Miller, Quinn Elizondo
 DATE/TIME (START): 9/9/24 11:07:35
 DATE/TIME (FINISH): 9/9/24 11:07:50
 BORING DIAMETER (IN): _____
 TOTAL BORING DEPTH (FT): 2'
 CONCRETE/ASPHALT THICKNESS (IN): _____
 BASE MATERIAL THICKNESS (IN): _____

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution				Other		
									% Gravel	% Sand	% Silt	% Clay	Plasticity H/M/L/N	Consistency*	
0735					0 0.5		ML	# ML Silt, NO odor, dry, fine	5		95 100			N	
0745					2'		ML	Silt clayey silt, NO odor, dry			70	30		NL	
					3										
					4										
					5										
					6										
					7										
					8										
					9										
					10										
					11										
					12										
					13										
					14										
					15										
					16										
					17										
					18										
					19										
					20										

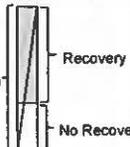
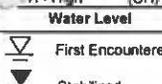
Plasticity N - Nonplastic (ML) L - Low (CL) M - Medium (CL) H - High (CH)	Consistency *Use only for silts/clays So - Soft M - Medium Stiff St - Stiff H - Hard	Recovery  Recovery  No Recovery	Well Diagram  Casing/Tubing  Screen/Probe Tip  Filter Sand  Dry Bentonite  Bentonite Seal  Grout	Minor Components < 5% Trace 5 - 10% Few 15 - 25% Little 30 - 45% Some 50 - 100% Mostly	Additional Notes: _____ _____ _____
--	--	--	---	--	---

Water Level
 First Encountered
 Stabilized

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
 BIRING LOCATION (AT SITE): _____
 CONTRACTOR AND DRILL RIG: _____
 SOIL SAMPLING EQUIPMENT/METHOD: Box Jack Hand auguring
 MONITORING DEVICE: _____
 FIRST WATER (FT BGS): _____ PROBE/SCREEN INTERVAL (FT BGS): _____
 STABILIZED WATER (FT BGS)/TIME: _____ SCREEN SLOT SIZE(IN): _____
 EVIDENCE OF NON-NATIVE FILL: Y / N BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N

PROJECT NO.: 7109.1098.0
 LOGGED BY: Brendan Miller, Quinn Elizondo
 DATE/TIME (START): 9/9/24 11 0758
 DATE/TIME (FINISH): 9/9/24 11 0819
 BORING DIAMETER (IN): _____
 TOTAL BORING DEPTH (FT): 2'
 CONCRETE/ASPHALT THICKNESS (IN): _____
 BASE MATERIAL THICKNESS (IN): _____

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution				Other		
									% Gravel	% Sand	% Silt	% Clay	Plasticity H / M / L / N	Consistency*	
0805					0 0.5		ML	Silt with gravel, NO odor, dry	20		80			N	
0815					2		ML	clayey silt, NO odor, dry, fine grained	5	65	30		L		
					3										
					4										
					5										
					6										
					7										
					8										
					9										
					10										
					11										
					12										
					13										
					14										
					15										
					16										
					17										
					18										
					19										
					20										

Plasticity	Consistency	Recovery	Well Diagram	Minor Components	Additional Notes:
N - Nonplastic (ML) L - Low (CL) M - Medium (CL) H - High (CH)	*Use only for silts/clays. So - Soft M - Medium Stiff St - Stiff H - Hard	 Recovery No Recovery	 Casing/Tubing Screen/Probe Tip Filter Sand Dry Bentonite Bentonite Seal Grout	< 5% Trace 5 - 10% Few 15 - 25% Little 30 - 45% Some 50 - 100% Mostly	
Water Level  First Encountered Stabilized					

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24480 Calabasas Road, Calabasas, CA
 DRILLING LOCATION (AT SITE): _____
 CONTRACTOR AND DRILL RIG: _____
 SOIL SAMPLING EQUIPMENT/METHOD: Hand auguring
 MONITORING DEVICE: _____
 FIRST WATER (FT BGS): _____ PROBE/SCREEN INTERVAL (FT BGS): _____
 STABILIZED WATER (FT BGS)/TIME: _____ SCREEN SLOT SIZE(IN): _____
 EVIDENCE OF NON-NATIVE FILL: Y / N _____ BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N _____

PROJECT NO.: 7109 1098.0
 LOGGED BY: Brendan Miller, Quinn Elizondo
 DATE/TIME (START): 9/9/24 // 0824
 DATE/TIME (FINISH): 9/9/24 // 0840
 BORING DIAMETER (IN): _____
 TOTAL BORING DEPTH (FT): 2'
 CONCRETE/ASPHALT THICKNESS (IN): _____
 BASE MATERIAL THICKNESS (IN): _____

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution				Other		
									% Gravel	% Sand	% Silt	% Clay	Plasticity H/M/L/N	Consistency*	
0826					0 0.5		ML	Silt w/ gravel, NO odor, dry	20		80			N	
0831					2		ML	Silt clayey Silt, NO odor, dry			75	25		L	
					3										
					4										
					5										
					6										
					7										
					8										
					9										
					10										
					11										
					12										
					13										
					14										
					15										
					16										
					17										
					18										
					19										
					20										

<p>Plasticity</p> <p>N - Nonplastic (ML) L - Low (CL) M - Medium (CL) H - High (CH)</p> <p>Water Level</p> <p>▽ First Encountered ▼ Stabilized</p>	<p>Consistency</p> <p>*Use only for silts/clays</p> <p>So - Soft M - Medium Stiff St - Stiff H - Hard</p>	<p>Recovery</p> <p>Run  Recovery  No Recovery</p>	<p>Well Diagram</p> <p> Casing/Tubing  Screen/Probe Tip  Filter Sand  Dry Bentonite  Bentonite Seal  Grout</p>	<p>Minor Components</p> <p>= 5% Trace 5 - 10% Few 15 - 25% Little 30 - 45% Some 50 - 100% Mostly</p>	<p>Additional Notes:</p>
--	---	---	--	---	---------------------------------

BA

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA

PROJECT NO.: 7109 1098.0

BORING LOCATION (AT SITE): _____

LOGGED BY: Brendan Millar, Quinn Elizondo

CONTRACTOR AND DRILL RIG: _____

DATE/TIME (START): 9/9/24 11:08:45

SOIL SAMPLING EQUIPMENT/METHOD: Hand Auguring

DATE/TIME (FINISH): 11:08:57

MONITORING DEVICE: _____

BORING DIAMETER (IN): _____

FIRST WATER (FT BGS): _____ PROBE/SCREEN INTERVAL (FT BGS): _____

TOTAL BORING DEPTH (FT): 2'

STABILIZED WATER (FT BGS)/TIME: _____ SCREEN SLOT SIZE(IN): _____

CONCRETE/ASPHALT THICKNESS (IN): _____

EVIDENCE OF NON-NATIVE FILL: Y / N _____ BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N _____

BASE MATERIAL THICKNESS (IN): _____

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution				Other		
									% Gravel	% Sand	% Silt	% Clay	Plasticity H/M/L/N	Consistency*	
<u>0850</u>					<u>0</u> <u>0.5</u>			<u>Silt, no odor, dry</u>			<u>85</u>	<u>15</u>	<u>N</u>		
<u>0855</u>					<u>2</u>			<u>Silt, no odor, dry</u>			<u>85</u>	<u>16</u>	<u>N</u>		
					<u>3</u>										
					<u>4</u>										
					<u>5</u>										
					<u>6</u>										
					<u>7</u>										
					<u>8</u>										
					<u>9</u>										
					<u>10</u>										
					<u>11</u>										
					<u>12</u>										
					<u>13</u>										
					<u>14</u>										
					<u>15</u>										
					<u>16</u>										
					<u>17</u>										
					<u>18</u>										
					<u>19</u>										
					<u>20</u>										

Plasticity	Consistency	Recovery	Well Diagram	Minor Components	Additional Notes:
N - Nonplastic (ML) L - Low (CL) M - Medium (CL) H - High (CH)	*Use only for silts/clays. So - Soft M - Medium Stiff St - Stiff H - Hard	 Run 	 Casing/Tubing  Screen/Probe Tip  Filter Sand  Dry Bentonite  Bentonite Seal  Grout	< 5% Trace 5 - 10% Few 15 - 25% Little 30 - 45% Some 50 - 100% Mostly	
Water Level  First Encountered  Stabilized					

B5

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
 BORING LOCATION (AT SITE): _____
 CONTRACTOR AND DRILL RIG: _____
 SOIL SAMPLING EQUIPMENT/METHOD: Hand augering
 MONITORING DEVICE: _____
 FIRST WATER (FT BGS): _____ PROBE/SCREEN INTERVAL (FT BGS): _____
 STABILIZED WATER (FT BGS)/TIME: _____ SCREEN SLOT SIZE(IN): _____
 EVIDENCE OF NON-NATIVE FILL: Y / N _____ BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N _____

PROJECT NO.: 7109.1098.0
 LOGGED BY: Brendan Miller, Quinn Elizondo
 DATE/TIME (START): 9/9/24 // 0925
 DATE/TIME (FINISH): // 0940
 BORING DIAMETER (IN): _____
 TOTAL BORING DEPTH (FT): 2'
 CONCRETE/ASPHALT THICKNESS (IN): _____
 BASE MATERIAL THICKNESS (IN): _____

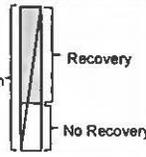
Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution				Other	
									% Gravel	% Sand	% Silt	% Clay	Plasticity H / M / L / N	Consistency
0928					0 0.5'		ML	Silt with gravel, no odor, dry	20		80		N	
0936					1 2		ML	clayey silt, no odor, dry			70	30	L	
					3									
					4									
					5									
					6									
					7									
					8									
					9									
					10									
					11									
					12									
					13									
					14									
					15									
					16									
					17									
					18									
					19									
					20									

Plasticity	Consistency	Recovery	Well Diagram	Minor Components	Additional Notes:
N - Nonplastic (ML) L - Low (CL) M - Medium (CL) H - High (CH)	*Use only for silts/clays. So - Soft M - Medium Stiff St - Stiff H - Hard	 Recovery  No Recovery	 Casing/Tubing  Screen/Probe Tip  Filter Sand  Dry Bentonite  Bentonite Seal  Grout	< 5% Trace 5 - 10% Few 15 - 25% Little 30 - 45% Some 50 - 100% Mostly	
Water Level  First Encountered  Stabilized					

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
 BORING LOCATION (AT SITE): _____
 CONTRACTOR AND DRILL RIG: _____
 SOIL SAMPLING EQUIPMENT/METHOD: Hand auguring
 MONITORING DEVICE: _____
 FIRST WATER (FT BGS): _____ PROBE/SCREEN INTERVAL (FT BGS): _____
 STABILIZED WATER (FT BGS)/TIME: _____ SCREEN SLOT SIZE (IN): _____
 EVIDENCE OF NON-NATIVE FILL: Y / N _____ BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N _____

PROJECT NO.: 7109 1098.0
 LOGGED BY: Brendan Miller, Quinn Elizondo
 DATE/TIME (START): 9/9/24 110940
 DATE/TIME (FINISH): 110900
 BORING DIAMETER (IN): _____
 TOTAL BORING DEPTH (FT): 2'
 CONCRETE/ASPHALT THICKNESS (IN): _____
 BASE MATERIAL THICKNESS (IN): _____

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution				Other		
									% Gravel	% Sand	% Silt	% Clay	Plasticity H / M / L / N	Consistency*	
0944					0 0.5		ML	Silt w/ gravel, no odor, dry	20		30				
0950					2		ML	Clayey Silt, no odor, dry, Fine-grained	5	65	30				
					3										
					4										
					5										
					6										
					7										
					8										
					9										
					10										
					11										
					12										
					13										
					14										
					15										
					16										
					17										
					18										
					19										
					20										

Plasticity N - Nonplastic (ML) L - Low (CL) M - Medium (CL) H - High (CH)	Consistency *Use only for silts/clays. So - Soft M - Medium Stiff St - Stiff H - Hard	Recovery 	Well Diagram 	Minor Components < 5% Trace 5 - 10% Few 15 - 25% Little 30 - 45% Some 50 - 100% Mostly	Additional Notes:
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B7

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
 BORING LOCATION (AT SITE): _____
 CONTRACTOR AND DRILL RIG: _____
 SOIL SAMPLING EQUIPMENT/METHOD: Hand auguring
 MONITORING DEVICE: _____
 FIRST WATER (FT BGS): _____ PROBE/SCREEN INTERVAL (FT BGS): _____
 STABILIZED WATER (FT BGS)/TIME: _____ SCREEN SLOT SIZE(IN): _____
 EVIDENCE OF NON-NATIVE FILL: Y / N _____ BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N _____

PROJECT NO.: 7109.1098.0
 LOGGED BY: Brendan Miller, Quinn Elizondo
 DATE/TIME (START): 9/9/24 11:55
 DATE/TIME (FINISH): # 1000 1015
 BORING DIAMETER (IN): _____
 TOTAL BORING DEPTH (FT): 2
 CONCRETE/ASPHALT THICKNESS (IN): _____
 BASE MATERIAL THICKNESS (IN): _____

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution				Other		
									% Gravel	% Sand	% Silt	% Clay	Plasticity H / M / L / N	Consistency*	
0955					0-5		ml	clayey silt, no odor, dry			80	20		L	
1000					2		ml	silt, no odor, dry			100			N	
					3										
					4										
					5										
					6										
					7										
					8										
					9										
					10										
					11										
					12										
					13										
					14										
					15										
					16										
					17										
					18										
					19										
					20										

Plasticity N - Nonplastic (ML) L - Low (CL) M - Medium (CL) H - High (CH)	Consistency *Use only for silts/clays So - Soft M - Medium Stiff St - Stiff H - Hard	Recovery  Recovery  No Recovery	Well Diagram  Casing/Tubing  Screen/Probe Tip  Filter Sand  Dry Bentonite  Bentonite Seal  Grout	Minor Components < 5% Trace 5 - 10% Few 15 - 25% Little 30 - 45% Some 50 - 100% Mostly	Additional Notes: _____ _____ _____
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Water Level

 First Encountered

 Stabilized

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
 BORING LOCATION (AT SITE): _____
 CONTRACTOR AND DRILL RIG: _____
 SOIL SAMPLING EQUIPMENT/METHOD: Hand augering
 MONITORING DEVICE: _____
 FIRST WATER (FT BGS): _____ PROBE/SCREEN INTERVAL (FT BGS): _____
 STABILIZED WATER (FT BGS)/TIME: _____ SCREEN SLOT SIZE (IN): _____
 EVIDENCE OF NON-NATIVE FILL: Y / N _____ BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N _____

PROJECT NO.: 7109.1098.0
 LOGGED BY: Brendan Miller, Quinn Elizondo
 DATE/TIME (START): 9/9/24 // 1120
 DATE/TIME (FINISH): 1150
 BORING DIAMETER (IN): _____
 TOTAL BORING DEPTH (FT): 2
 CONCRETE/ASPHALT THICKNESS (IN): _____
 BASE MATERIAL THICKNESS (IN): _____

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution				Other		
									% Gravel	% Sand	% Silt	% Clay	Plasticity H / M / L / N	Consistency*	
1125					0 0.5		ML	Silt w/ gravel, no odor, dry	10		90			N	
1145					1 2		ML	Silt w/ gravel, no odor, dry	10		90			N	
					3										
					4										
					5										
					6										
					7										
					8										
					9										
					10										
					11										
					12										
					13										
					14										
					15										
					16										
					17										
					18										
					19										
					20										

Plasticity N - Nonplastic (ML) L - Low (CL) I - Medium (CI) H - High (CH)	Consistency *Use only for silts/clays. So - Soft M - Medium Stiff St - Stiff H - Hard	Recovery 	Well Diagram 	Minor Components < 5% Trace 5 - 10% Few 15 - 25% Little 30 - 45% Some 50 - 100% Mostly	Additional Notes:
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Water Level

 First Encountered
 Stabilized

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA

PROJECT NO.: 7109.1098.0

BORING LOCATION (AT SITE): _____

LOGGED BY: Brendan Miller, Quinn Elizondo

CONTRACTOR AND DRILL RIG: _____

DATE/TIME (START): 9/9/24 1210

SOIL SAMPLING EQUIPMENT/METHOD: Hand Augering

DATE/TIME (FINISH): 1235

MONITORING DEVICE: _____

BORING DIAMETER (IN): _____

FIRST WATER (FT BGS): _____ PROBE/SCREEN INTERVAL (FT BGS): _____

TOTAL BORING DEPTH (FT): 2

STABILIZED WATER (FT BGS)/TIME: _____ SCREEN SLOT SIZE (IN): _____

CONCRETE/ASPHALT THICKNESS (IN): _____

EVIDENCE OF NON-NATIVE FILL: Y / N

BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N

BASE MATERIAL THICKNESS (IN): _____

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution				Other		
									% Gravel	% Sand	% Silt	% Clay	Plasticity H/M/L/N	Consistency*	
1215					0 0.5 1		ML	clayey silt, no odor, dry			80	20	N		
1235					2		ML	clayey silt, no odor, dry			80	20	N		
					3										
					4										
					5										
					6										
					7										
					8										
					9										
					10										
					11										
					12										
					13										
					14										
					15										
					16										
					17										
					18										
					19										
					20										

Plasticity	Consistency	Recovery	Well Diagram	Minor Components	Additional Notes:
N - Nonplastic (ML) L - Low (CL) M - Medium (CL) H - High (CH)	*Use only for silts/clays. So - Soft M - Medium Stiff St - Stiff H - Hard	 Recovery  No Recovery	 Casing/Tubing  Screen/Probe Tip  Filter Sand  Dry Bentonite  Bentonite Seal  Grout	< 5% Trace 5 - 10% Few 15 - 25% Little 30 - 45% Some 50 - 100% Mostly	
Water Level  First Encountered  Stabilized					

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA

BORING LOCATION (AT SITE): _____

CONTRACTOR AND DRILL RIG: _____

SOIL SAMPLING EQUIPMENT/METHOD: Hand auguring

MONITORING DEVICE: _____

FIRST WATER (FT BGS): _____ PROBE/SCREEN INTERVAL (FT BGS): _____

STABILIZED WATER (FT BGS)/TIME: _____ SCREEN SLOT SIZE (IN): _____

EVIDENCE OF NON-NATIVE FILL: Y / N _____ BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N _____

PROJECT NO.: 7109.1098.0

LOGGED BY: Brendan Miller, Quinn Elizondo

DATE/TIME (START): 9/9/24 11 1255

DATE/TIME (FINISH): 1330

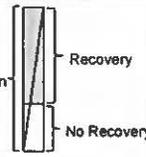
BORING DIAMETER (IN): _____

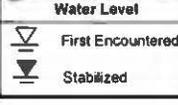
TOTAL BORING DEPTH (FT): 2

CONCRETE/ASPHALT THICKNESS (IN): _____

BASE MATERIAL THICKNESS (IN): _____

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution				Other	
									% Gravel	% Sand	% Silt	% Clay	Plasticity H / M / L / N	Consistency*
1300					0 0.5		ML	clayey silt, dry, no odor			80	20	L	
1320					1 2		ML	clayey silt, dry, no odor			70	30	L	
					3									
					4									
					5									
					6									
					7									
					8									
					9									
					10									
					11									
					12									
					13									
					14									
					15									
					16									
					17									
					18									
					19									
					20									

Plasticity N - Nonplastic (ML) L - Low (CL) A - Medium (CL) H - High (CH)	Consistency <small>*Use only for silts/clays</small> So - Soft M - Medium Stiff St - Stiff H - Hard	Recovery 	Well Diagram 	Minor Components < 5% Trace 5 - 10% Few 15 - 25% Little 30 - 45% Some 50 - 100% Mostly	Additional Notes:
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Appendix E

Laboratory Reports and Chain of Custody Documentation



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

enthalpy.com

Lab Job Number : 515740
Report Level : II
Report Date : 09/27/2024

Analytical Report *prepared for:*

Doug Whichard
Citadel EHS
1725 Victory Blvd
Glendale, CA 91201

Location: Limited Phase II, 24460 Calabasas Road, Calabasas, CA

Authorized for release by:

Jim Lin, Service Center Manager
818-319-2359
Jim.lin@enthalpy.com

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

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

Sample Summary

Doug Whichard Citadel EHS 1725 Victory Blvd Glendale, CA 91201	Lab Job #: 515740 Location: Limited Phase II, 24460 Calabasas Road, Calabasas, CA Date Received: 09/10/24	
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Sample ID	Lab ID	Collected	Matrix
B1-0.5	515740-001	09/09/24 07:35	Soil
B1-2	515740-002	09/09/24 07:45	Soil
B2-0.5	515740-003	09/09/24 08:05	Soil
B2-2	515740-004	09/09/24 08:15	Soil
B3-0.5	515740-005	09/09/24 08:26	Soil
B3-2	515740-006	09/09/24 08:37	Soil
B4-0.5	515740-007	09/09/24 08:50	Soil
B4-2	515740-008	09/09/24 08:55	Soil
B5-0.5	515740-009	09/09/24 09:28	Soil
B5-2	515740-010	09/09/24 09:35	Soil
B6-0.5	515740-011	09/09/24 09:44	Soil
B6-2	515740-012	09/09/24 09:50	Soil
B7-0.5	515740-013	09/09/24 09:55	Soil
B7-2	515740-014	09/09/24 10:00	Soil
B8-0.5	515740-015	09/09/24 11:25	Soil
B8-2	515740-016	09/09/24 11:45	Soil
B9-0.5	515740-017	09/09/24 12:15	Soil
B9-2	515740-018	09/09/24 12:35	Soil
B10-0.5	515740-019	09/09/24 13:00	Soil
B10-2	515740-020	09/09/24 13:20	Soil

Case Narrative

Citadel EHS
1725 Victory Blvd
Glendale, CA 91201
Doug Whichard

Lab Job 515740
Number:
Location: Limited Phase II, 24460 Calabasas Road, Calabasas,
CA

Date Received: 09/10/24

- This data package contains sample and QC results for fourteen soil samples, requested for the above referenced project on 09/10/24. The samples were received cold and intact.
- First Additional request.

Pesticides (EPA 8081A):

- High recoveries were observed for 4,4'-DDE and endosulfan II in the MS/MSD of B1-0.5 (lab # 515740-001); the LCS was within limits.
- Response exceeding the instrument's linear range was observed for 4,4'-DDE in the MS of B1-0.5 (lab # 515740-001); affected data was qualified with "E".
- No other analytical problems were encountered.

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

- Low recoveries were observed for antimony in the MS/MSD for batch 350030; 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 350030; the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Metals (EPA 6010B) WET Leachate:

No analytical problems were encountered.

8151A Chlorinated Herbicides (EPA 8151A):

American Environmental Testing in Burbank, CA performed the analysis (see sublab report section for certifications). Please see the American Environmental Testing case narrative.

	Chain of Custody Record	Turn Around Time (rush by advanced notice only)			
	Lab No: 515740	Standard: <input checked="" type="checkbox"/> X	5 Day: <input type="checkbox"/>	3 Day: <input type="checkbox"/>	
	Page: 1 of 2	2 Day: <input type="checkbox"/>	1 Day: <input type="checkbox"/>	Custom TAT: <input type="checkbox"/>	
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)

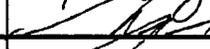
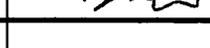
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request						Test Instructions / Comments
Company:	Citadel EHS	Name:	Limited Phase II Site Investigation							(R02 3.7°C / 3.9°C Hold
Report To:	Doug Whichard	Number:	7109.1098.0							
Email:	dwhichard@citadelehs.com	P.O. #:	7109.1098.0							
Address:	1371 Oakland Blvd, Suite 100 Walnut Creek, CA 94596	Address:	24460 Calabasas Road, Calabasas, CA Calabasas, CA							
Phone:	925-784-1541	Global ID:								
Fax:		Sampled By:	<i>Quinn Elizondo</i>							

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	OCps 8081A	Chlorinated Herbicides 8151A	Title 22 Metals 6010B											
1 B1-0.5'	9/9/24	0735	S	9oz Jar	-	X	X	X											
2 B1-2'		0745																	X
3 B2-0.5'		0805				X	X	X											
4 B2-0.2'		0815																	X
5 B3-0.5'		0826				X	X	X											
6 B3-2'		0837																	X
7 B4-0.5'		0850				X	X	X											
8 B4-2'		0855																	X
9 B5-0.5'		0928				X	X	X											
10 B5-2'		0935																	X

	Signature	Print Name	Company / Title	Date / Time
¹ Relinquished By:	<i>Quinn Elizondo</i>	Quinn Elizondo	Citadel EHS / Geologist	9/10/24 1015
¹ Received By:	<i>Sergis Pirek</i>	Sergis Pirek	EA	9/10/24 1015
² Relinquished By:	<i>Sergis Pirek</i>	Sergis Pirek	EA	9/10/24 1500
² Received By:	<i>JETH CO</i>	JETH CO	ENTHALPY	9/10/24 1500
³ Relinquished By:				
³ Received By:				

	ENTHALPY	Chain of Custody Record	Lab No: 515740	Turn Around Time (rush by advanced notification only)				
	ANALYTICAL	Page: 2 of 2	Standard: <input checked="" type="checkbox"/> X	5 Day: <input type="checkbox"/>	3 Day: <input type="checkbox"/>	2 Day: <input type="checkbox"/>	1 Day: <input type="checkbox"/>	Custom TAT: <input type="checkbox"/>
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:	Citadel EHS	Name:	Limited Phase II Site Investigation															1R02 3.7°C / 3.9°C HAND	
Report To:	Doug Whichard	Number:	7109.1098.0																
Email:	dwhichard@citadelehs.com	P.O. #:	7109.1098.0																
Address:	1371 Oakland Blvd, Suite 100	Address:	24460 Calabasas Road, Calabasas, CA																
	Walnut Creek, CA 94596		Calabasas, CA																
Phone:	925-784-1541	Global ID:																	
Fax:		Sampled By:	Quinn Elizondo																
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	OCs 8081A	Chlorinated Herbicides 8151A	Title 22 Metals 6010B											
1	B6-0.5	9/9/24	0944	S	80Z JAR	-	X	X	X										
2	B6-2		0950															X	
3	B7-0.5		0955				X	X	X										
4	B7-2		1000															X	
5	B8-0.5		1125				X	X	X										
6	B8-2		1145															X	
7	B9-0.5		1215				X	X	X										
8	B9-2		1235															X	
9	B10-0.5		1300				X	X	X										
10	B10-2		1320															X	

	Signature	Print Name	Company / Title	Date / Time
¹ Relinquished By:		Quinn Elizondo	Citadel EHS/Geologist	9/10/24 1015
¹ Received By:		Sargis Pikel	EA	9/10/24 1015
² Relinquished By:		Sargis Pikel	EA	9/10/24 1500
² Received By:		JETA CO	ENTHALPY	9/10/24 1500
³ Relinquished By:				
³ Received By:				

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 9/10/24 WO# 515740 Client: Chadel

Section 2: Shipping / Custody

Are custody seals present? Yes No

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

Shipping Info: _____

Section 3a: Condition / Packaging

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

Date Opened 9/10/24 By (initials) JKC 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: 1202 CF: +0.2

Cooler Temp (°C) #1: 3.7 / 3.9 #2: _____ / _____ #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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Is the sampler's name present on the CoC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Were all of, and only, the correct samples received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Are sample labels present, legible, and in agreement with the CoC?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7) Does the container count match the CoC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8) Was sufficient sample volume / mass received for the analyses requested?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9) Were samples received in proper containers for the analyses requested?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10) Were samples received with > 1/2 holding time remaining?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11) Are samples properly preserved as indicated by CoC / labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13) Are VOA vials free from headspace/bubbles > 6mm?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Section 5: Explanations / Comments

PM notified

4.6: SAMPLES 015, 016, 019, 020 ARE MISSING TIMES WRITTEN ON THE LABEL

Date Logged 9/10/24 By (print) JKC (sign) [Signature]
 Date Labeled 9/10/24 By (print) JETH CO (sign) [Signature]

[External] - RE: Limited Phase II, 24460 Calabasas Road, Calabasas, CA - Enthalpy Data (515740)

From Doug Whichard <dwhichard@citadelehs.com>

Date Thu 9/19/2024 5:00 PM

To Jim Lin <Jim.lin@enthalpy.com>

Cc Brendan Englert <benglert@citadelehs.com>

 2 attachments (2 MB)

515740_level2.pdf; 515740_standard_excel_pivot.zip;

Hi Jim,

Please run the following additional analyses:

- 8081A – B1-2, B4-2, B10-2
- 6010B – B8-2 (Arsenic only)
- STLC for chromium – B1-0.5, B4-0.5, B7-0.5, B8-0.5

Will these take another 5-7 business days?

Thanks

Doug Whichard

Senior Scientist, Engineering & Environmental Sciences



Walnut Creek Office

1371 Oakland Blvd., Suite 100 

Walnut Creek, CA 94596

O:818.246.2707 | C: 925.784.1541

www.CitadelEHS.com

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If you think that you have received this email in error, please notify the sender.

From: Jim Lin <Jim.lin@enthalpy.com>

Sent: Thursday, September 19, 2024 4:24 PM

To: Doug Whichard <dwhichard@citadelehs.com>

Subject: Limited Phase II, 24460 Calabasas Road, Calabasas, CA - Enthalpy Data (515740)

CAUTION: This email originated from outside of the organization! Do not click links, open attachments or reply, unless you recognize the sender's email address and know the content is safe!

Hi Doug,

Please let us know if you will need additional analysis.

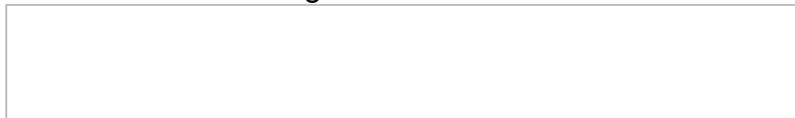
Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

Please find attached the following files:

- PDF Deliverable
- Standard Pivot Table EDD (515740_standard_excel_pivot.zip)

You may also access this data at <https://labline-orange.enthalpy.com/>

Jim Lin
Service Center Manager



931 W. Barkley Ave., Orange, CA 92868
O: 714-771-6900 M: 818-319-2359
Jim.Lin@enthalpy.com

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Analysis Results for 515740

Doug Whichard
 Citadel EHS
 1725 Victory Blvd
 Glendale, CA 91201

Lab Job #: 515740
 Location: Limited Phase II, 24460 Calabasas
 Road, Calabasas, CA
 Date Received: 09/10/24

Sample ID: B1-0.5 Lab ID: 515740-001 Collected: 09/09/24 07:35

515740-001 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	2.9	1.2	Soil	0.97	350030	09/12/24	09/13/24	SBW
Arsenic	7.4		mg/Kg	0.97	0.53	Soil	0.97	350030	09/12/24	09/13/24	SBW
Barium	250		mg/Kg	0.97	0.38	Soil	0.97	350030	09/12/24	09/13/24	SBW
Beryllium	0.56		mg/Kg	0.49	0.021	Soil	0.97	350030	09/12/24	09/13/24	SBW
Cadmium	4.9		mg/Kg	0.49	0.051	Soil	0.97	350030	09/12/24	09/13/24	SBW
Chromium	57		mg/Kg	0.97	0.22	Soil	0.97	350030	09/12/24	09/13/24	SBW
Cobalt	6.3		mg/Kg	0.49	0.22	Soil	0.97	350030	09/12/24	09/13/24	SBW
Copper	38		mg/Kg	0.97	0.63	Soil	0.97	350030	09/12/24	09/13/24	SBW
Lead	14		mg/Kg	0.97	0.73	Soil	0.97	350030	09/12/24	09/13/24	SBW
Molybdenum	9.4		mg/Kg	0.97	0.53	Soil	0.97	350030	09/12/24	09/13/24	SBW
Nickel	71		mg/Kg	0.97	0.44	Soil	0.97	350030	09/12/24	09/13/24	SBW
Selenium	0.92	J	mg/Kg	2.9	0.87	Soil	0.97	350030	09/12/24	09/13/24	SBW
Silver	0.26	J	mg/Kg	0.49	0.17	Soil	0.97	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.92	Soil	0.97	350030	09/12/24	09/13/24	SBW
Vanadium	110		mg/Kg	0.97	0.16	Soil	0.97	350030	09/12/24	09/13/24	SBW
Zinc	120		mg/Kg	4.9	1.5	Soil	0.97	350030	09/12/24	09/13/24	SBW
Method: EPA 6010B Prep Method: METHOD											
Chromium	0.12	J	mg/L	0.30	0.0074	WET Leachate	10	350871	09/23/24	09/23/24	SBW
Method: EPA 7471A Prep Method: METHOD											
Mercury	ND		mg/Kg	0.16	0.059	Soil	1.2	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	100		ug/Kg	5.0	3.1	Soil	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.0	2.4	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.2	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	4.8	Soil	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	39		ug/Kg	5.0	2.7	Soil	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.4	Soil	1	349964	09/12/24	09/13/24	MES

Analysis Results for 515740

515740-001 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Toxaphene	ND		ug/Kg	100	65	Soil	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	140		ug/Kg	50	27	Soil	1	349964	09/12/24	09/13/24	MES
Surrogates			Limits								
TCMX	85%		%REC	23-120		Soil	1	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	105%		%REC	24-120		Soil	1	349964	09/12/24	09/13/24	MES

Sample ID: B1-2 **Lab ID: 515740-002** **Collected: 09/09/24 07:45**
Matrix: Soil

515740-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist	
Method: EPA 8081A											
Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	2.3	0.99	350787	09/21/24	09/21/24	MES	
beta-BHC	ND		ug/Kg	5.0	2.6	0.99	350787	09/21/24	09/21/24	MES	
gamma-BHC	ND		ug/Kg	5.0	2.5	0.99	350787	09/21/24	09/21/24	MES	
delta-BHC	ND		ug/Kg	5.0	2.0	0.99	350787	09/21/24	09/21/24	MES	
Heptachlor	ND		ug/Kg	5.0	2.3	0.99	350787	09/21/24	09/21/24	MES	
Aldrin	ND		ug/Kg	5.0	2.4	0.99	350787	09/21/24	09/21/24	MES	
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	0.99	350787	09/21/24	09/21/24	MES	
Endosulfan I	ND		ug/Kg	5.0	2.6	0.99	350787	09/21/24	09/21/24	MES	
Dieldrin	ND		ug/Kg	5.0	2.5	0.99	350787	09/21/24	09/21/24	MES	
4,4'-DDE	25		ug/Kg	5.0	3.1	0.99	350787	09/21/24	09/21/24	MES	
Endrin	ND		ug/Kg	5.0	2.4	0.99	350787	09/21/24	09/21/24	MES	
Endosulfan II	ND		ug/Kg	5.0	2.5	0.99	350787	09/21/24	09/21/24	MES	
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	0.99	350787	09/21/24	09/21/24	MES	
4,4'-DDD	ND		ug/Kg	5.0	1.9	0.99	350787	09/21/24	09/21/24	MES	
Endrin aldehyde	ND		ug/Kg	5.0	4.7	0.99	350787	09/21/24	09/21/24	MES	
Endrin ketone	ND		ug/Kg	5.0	2.5	0.99	350787	09/21/24	09/21/24	MES	
4,4'-DDT	3.5	#,J	ug/Kg	5.0	2.6	0.99	350787	09/21/24	09/21/24	MES	
Methoxychlor	ND		ug/Kg	9.9	4.4	0.99	350787	09/21/24	09/21/24	MES	
Toxaphene	ND		ug/Kg	99	65	0.99	350787	09/21/24	09/21/24	MES	
Chlordane (Technical)	ND		ug/Kg	50	26	0.99	350787	09/21/24	09/21/24	MES	
Surrogates			Limits								
TCMX	70%		%REC	23-120		0.99	350787	09/21/24	09/21/24	MES	
Decachlorobiphenyl	61%		%REC	24-120		0.99	350787	09/21/24	09/21/24	MES	

Analysis Results for 515740

Sample ID: B2-0.5	Lab ID: 515740-003	Collected: 09/09/24 08:05
Matrix: Soil		

515740-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	1.2	0.96	350030	09/12/24	09/13/24	SBW
Arsenic	5.4		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Barium	86		mg/Kg	0.96	0.38	0.96	350030	09/12/24	09/13/24	SBW
Beryllium	0.33	J	mg/Kg	0.48	0.021	0.96	350030	09/12/24	09/13/24	SBW
Cadmium	0.91		mg/Kg	0.48	0.051	0.96	350030	09/12/24	09/13/24	SBW
Chromium	17		mg/Kg	0.96	0.22	0.96	350030	09/12/24	09/13/24	SBW
Cobalt	5.2		mg/Kg	0.48	0.21	0.96	350030	09/12/24	09/13/24	SBW
Copper	21		mg/Kg	0.96	0.62	0.96	350030	09/12/24	09/13/24	SBW
Lead	9.8		mg/Kg	0.96	0.72	0.96	350030	09/12/24	09/13/24	SBW
Molybdenum	2.0		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Nickel	15		mg/Kg	0.96	0.44	0.96	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.86	0.96	350030	09/12/24	09/13/24	SBW
Silver	ND		mg/Kg	0.48	0.17	0.96	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.91	0.96	350030	09/12/24	09/13/24	SBW
Vanadium	38		mg/Kg	0.96	0.15	0.96	350030	09/12/24	09/13/24	SBW
Zinc	48		mg/Kg	4.8	1.5	0.96	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	0.073	J	mg/Kg	0.15	0.056	1.1	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.1	2.1	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.1	3.2	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.1	2.0	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.1	4.9	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	5.1	2.7	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.5	1	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	100	67	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	51	28	1	349964	09/12/24	09/13/24	MES
Surrogates				Limits						
TCMX	85%		%REC	23-120		1	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	106%		%REC	24-120		1	349964	09/12/24	09/13/24	MES

Analysis Results for 515740

Analysis Results for 515740

Sample ID: B3-0.5
Lab ID: 515740-005
Collected: 09/09/24 08:26
Matrix: Soil

515740-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.2	1	350030	09/12/24	09/13/24	SBW
Arsenic	6.4		mg/Kg	1.0	0.54	1	350030	09/12/24	09/13/24	SBW
Barium	240		mg/Kg	1.0	0.40	1	350030	09/12/24	09/13/24	SBW
Beryllium	0.46	J	mg/Kg	0.50	0.022	1	350030	09/12/24	09/13/24	SBW
Cadmium	3.6		mg/Kg	0.50	0.053	1	350030	09/12/24	09/13/24	SBW
Chromium	43		mg/Kg	1.0	0.23	1	350030	09/12/24	09/13/24	SBW
Cobalt	5.4		mg/Kg	0.50	0.22	1	350030	09/12/24	09/13/24	SBW
Copper	26		mg/Kg	1.0	0.65	1	350030	09/12/24	09/13/24	SBW
Lead	5.9		mg/Kg	1.0	0.75	1	350030	09/12/24	09/13/24	SBW
Molybdenum	7.7		mg/Kg	1.0	0.55	1	350030	09/12/24	09/13/24	SBW
Nickel	48		mg/Kg	1.0	0.45	1	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	3.0	0.90	1	350030	09/12/24	09/13/24	SBW
Silver	ND		mg/Kg	0.50	0.17	1	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	3.0	0.95	1	350030	09/12/24	09/13/24	SBW
Vanadium	85		mg/Kg	1.0	0.16	1	350030	09/12/24	09/13/24	SBW
Zinc	68		mg/Kg	5.0	1.6	1	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15	0.056	1.1	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.1	2.1	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.1	2.3	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.1	3.2	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.1	2.0	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.1	4.8	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	5.1	2.7	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.5	1	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	100	66	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	51	28	1	349964	09/12/24	09/13/24	MES
Surrogates				Limits						
TCMX	81%		%REC	23-120		1	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	102%		%REC	24-120		1	349964	09/12/24	09/13/24	MES

Analysis Results for 515740

Analysis Results for 515740

Sample ID: B4-0.5
Lab ID: 515740-007
Collected: 09/09/24 08:50

515740-007 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	2.9	1.1	Soil	0.95	350030	09/12/24	09/13/24	SBW
Arsenic	7.7		mg/Kg	0.95	0.52	Soil	0.95	350030	09/12/24	09/13/24	SBW
Barium	190		mg/Kg	0.95	0.38	Soil	0.95	350030	09/12/24	09/13/24	SBW
Beryllium	0.49		mg/Kg	0.48	0.021	Soil	0.95	350030	09/12/24	09/13/24	SBW
Cadmium	3.8		mg/Kg	0.48	0.050	Soil	0.95	350030	09/12/24	09/13/24	SBW
Chromium	52		mg/Kg	0.95	0.22	Soil	0.95	350030	09/12/24	09/13/24	SBW
Cobalt	5.9		mg/Kg	0.48	0.21	Soil	0.95	350030	09/12/24	09/13/24	SBW
Copper	38		mg/Kg	0.95	0.62	Soil	0.95	350030	09/12/24	09/13/24	SBW
Lead	12		mg/Kg	0.95	0.71	Soil	0.95	350030	09/12/24	09/13/24	SBW
Molybdenum	8.7		mg/Kg	0.95	0.52	Soil	0.95	350030	09/12/24	09/13/24	SBW
Nickel	58		mg/Kg	0.95	0.43	Soil	0.95	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.86	Soil	0.95	350030	09/12/24	09/13/24	SBW
Silver	0.22	J	mg/Kg	0.48	0.17	Soil	0.95	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.90	Soil	0.95	350030	09/12/24	09/13/24	SBW
Vanadium	110		mg/Kg	0.95	0.15	Soil	0.95	350030	09/12/24	09/13/24	SBW
Zinc	430		mg/Kg	4.8	1.5	Soil	0.95	350030	09/12/24	09/13/24	SBW
Method: EPA 6010B Prep Method: METHOD											
Chromium	0.11	J	mg/L	0.30	0.0074	WET Leachate	10	350871	09/23/24	09/23/24	SBW
Method: EPA 7471A Prep Method: METHOD											
Mercury	0.061	J	mg/Kg	0.15	0.056	Soil	1.1	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	9.9		ug/Kg	5.0	3.1	Soil	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.0	2.4	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.2	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	4.8	Soil	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	35		ug/Kg	5.0	2.7	Soil	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.4	Soil	1	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	100	65	Soil	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	29	J	ug/Kg	50	26	Soil	1	349964	09/12/24	09/13/24	MES
Surrogates	Limits										
TCMX	90%		%REC	23-120		Soil	1	349964	09/12/24	09/13/24	MES

Analysis Results for 515740

515740-007 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Decachlorobiphenyl	116%		%REC	24-120		Soil	1	349964	09/12/24	09/13/24	MES

Sample ID: B4-2	Lab ID: 515740-008	Collected: 09/09/24 08:55
Matrix: Soil		

515740-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist	
Method: EPA 8081A											
Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.1	2.4	1	350787	09/21/24	09/21/24	MES	
beta-BHC	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES	
gamma-BHC	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES	
delta-BHC	ND		ug/Kg	5.1	2.1	1	350787	09/21/24	09/21/24	MES	
Heptachlor	ND		ug/Kg	5.1	2.3	1	350787	09/21/24	09/21/24	MES	
Aldrin	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES	
Heptachlor epoxide	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES	
Endosulfan I	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES	
Dieldrin	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES	
4,4'-DDE	ND		ug/Kg	5.1	3.2	1	350787	09/21/24	09/21/24	MES	
Endrin	ND		ug/Kg	5.1	2.4	1	350787	09/21/24	09/21/24	MES	
Endosulfan II	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES	
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	1	350787	09/21/24	09/21/24	MES	
4,4'-DDD	ND		ug/Kg	5.1	2.0	1	350787	09/21/24	09/21/24	MES	
Endrin aldehyde	ND		ug/Kg	5.1	4.8	1	350787	09/21/24	09/21/24	MES	
Endrin ketone	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES	
4,4'-DDT	ND		ug/Kg	5.1	2.7	1	350787	09/21/24	09/21/24	MES	
Methoxychlor	ND		ug/Kg	10	4.5	1	350787	09/21/24	09/21/24	MES	
Toxaphene	ND		ug/Kg	100	66	1	350787	09/21/24	09/21/24	MES	
Chlordane (Technical)	ND		ug/Kg	51	28	1	350787	09/21/24	09/21/24	MES	
Surrogates				Limits							
TCMX	64%		%REC	23-120			1	350787	09/21/24	09/21/24	MES
Decachlorobiphenyl	57%		%REC	24-120			1	350787	09/21/24	09/21/24	MES

Analysis Results for 515740

Sample ID: B5-0.5	Lab ID: 515740-009	Collected: 09/09/24 09:28
Matrix: Soil		

515740-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	1.2	0.96	350030	09/12/24	09/13/24	SBW
Arsenic	5.9		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Barium	160		mg/Kg	0.96	0.38	0.96	350030	09/12/24	09/13/24	SBW
Beryllium	0.30	J	mg/Kg	0.48	0.021	0.96	350030	09/12/24	09/13/24	SBW
Cadmium	1.2		mg/Kg	0.48	0.051	0.96	350030	09/12/24	09/13/24	SBW
Chromium	20		mg/Kg	0.96	0.22	0.96	350030	09/12/24	09/13/24	SBW
Cobalt	3.9		mg/Kg	0.48	0.21	0.96	350030	09/12/24	09/13/24	SBW
Copper	13		mg/Kg	0.96	0.62	0.96	350030	09/12/24	09/13/24	SBW
Lead	5.2		mg/Kg	0.96	0.72	0.96	350030	09/12/24	09/13/24	SBW
Molybdenum	3.3		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Nickel	22		mg/Kg	0.96	0.44	0.96	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.86	0.96	350030	09/12/24	09/13/24	SBW
Silver	ND		mg/Kg	0.48	0.17	0.96	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.91	0.96	350030	09/12/24	09/13/24	SBW
Vanadium	40		mg/Kg	0.96	0.15	0.96	350030	09/12/24	09/13/24	SBW
Zinc	36		mg/Kg	4.8	1.5	0.96	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15	0.056	1.1	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.1	2.1	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.1	2.3	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.1	3.2	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.1	2.0	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.1	4.8	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	5.1	2.7	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.5	1	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	100	66	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	51	28	1	349964	09/12/24	09/13/24	MES
Surrogates				Limits						
TCMX	81%		%REC	23-120		1	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	83%		%REC	24-120		1	349964	09/12/24	09/13/24	MES

Analysis Results for 515740

Analysis Results for 515740

Sample ID: B6-0.5
Lab ID: 515740-011
Collected: 09/09/24 09:44
Matrix: Soil

515740-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.2	0.99	350030	09/12/24	09/13/24	SBW
Arsenic	7.0		mg/Kg	0.99	0.54	0.99	350030	09/12/24	09/13/24	SBW
Barium	160		mg/Kg	0.99	0.39	0.99	350030	09/12/24	09/13/24	SBW
Beryllium	0.36	J	mg/Kg	0.50	0.021	0.99	350030	09/12/24	09/13/24	SBW
Cadmium	2.0		mg/Kg	0.50	0.052	0.99	350030	09/12/24	09/13/24	SBW
Chromium	24		mg/Kg	0.99	0.23	0.99	350030	09/12/24	09/13/24	SBW
Cobalt	3.4		mg/Kg	0.50	0.22	0.99	350030	09/12/24	09/13/24	SBW
Copper	13		mg/Kg	0.99	0.64	0.99	350030	09/12/24	09/13/24	SBW
Lead	3.2		mg/Kg	0.99	0.74	0.99	350030	09/12/24	09/13/24	SBW
Molybdenum	3.5		mg/Kg	0.99	0.54	0.99	350030	09/12/24	09/13/24	SBW
Nickel	22		mg/Kg	0.99	0.45	0.99	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	3.0	0.89	0.99	350030	09/12/24	09/13/24	SBW
Silver	ND		mg/Kg	0.50	0.17	0.99	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	3.0	0.94	0.99	350030	09/12/24	09/13/24	SBW
Vanadium	51		mg/Kg	0.99	0.16	0.99	350030	09/12/24	09/13/24	SBW
Zinc	34		mg/Kg	5.0	1.6	0.99	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A										
Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17	0.061	1.2	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	4.9	2.0	0.98	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	4.9	2.4	0.98	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	4.9	3.1	0.98	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	4.9	2.1	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	4.9	1.9	0.98	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	4.9	4.7	0.98	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	4.9	2.6	0.98	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	9.8	4.4	0.98	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	98	64	0.98	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	49	27	0.98	349964	09/12/24	09/13/24	MES
Surrogates				Limits						
TCMX	75%		%REC	23-120		0.98	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	90%		%REC	24-120		0.98	349964	09/12/24	09/13/24	MES

Analysis Results for 515740

Analysis Results for 515740

Sample ID: B7-0.5
Lab ID: 515740-013
Collected: 09/09/24 09:55

515740-013 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	2.9	1.2	Soil	0.96	350030	09/12/24	09/13/24	SBW
Arsenic	7.6		mg/Kg	0.96	0.52	Soil	0.96	350030	09/12/24	09/13/24	SBW
Barium	260		mg/Kg	0.96	0.38	Soil	0.96	350030	09/12/24	09/13/24	SBW
Beryllium	0.59		mg/Kg	0.48	0.021	Soil	0.96	350030	09/12/24	09/13/24	SBW
Cadmium	5.5		mg/Kg	0.48	0.051	Soil	0.96	350030	09/12/24	09/13/24	SBW
Chromium	64		mg/Kg	0.96	0.22	Soil	0.96	350030	09/12/24	09/13/24	SBW
Cobalt	6.4		mg/Kg	0.48	0.21	Soil	0.96	350030	09/12/24	09/13/24	SBW
Copper	39		mg/Kg	0.96	0.62	Soil	0.96	350030	09/12/24	09/13/24	SBW
Lead	4.4		mg/Kg	0.96	0.72	Soil	0.96	350030	09/12/24	09/13/24	SBW
Molybdenum	11		mg/Kg	0.96	0.52	Soil	0.96	350030	09/12/24	09/13/24	SBW
Nickel	77		mg/Kg	0.96	0.44	Soil	0.96	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.86	Soil	0.96	350030	09/12/24	09/13/24	SBW
Silver	0.19	J	mg/Kg	0.48	0.17	Soil	0.96	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.91	Soil	0.96	350030	09/12/24	09/13/24	SBW
Vanadium	140		mg/Kg	0.96	0.15	Soil	0.96	350030	09/12/24	09/13/24	SBW
Zinc	88		mg/Kg	4.8	1.5	Soil	0.96	350030	09/12/24	09/13/24	SBW
Method: EPA 6010B Prep Method: METHOD											
Chromium	0.019	J	mg/L	0.30	0.0074	WET Leachate	10	350871	09/23/24	09/23/24	SBW
Method: EPA 7471A Prep Method: METHOD											
Mercury	ND		mg/Kg	0.16	0.059	Soil	1.2	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.0	3.1	Soil	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.0	2.4	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.2	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	4.8	Soil	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	5.0	2.7	Soil	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.4	Soil	1	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	100	65	Soil	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	50	27	Soil	1	349964	09/12/24	09/13/24	MES
Surrogates				Limits							
TCMX	75%		%REC	23-120		Soil	1	349964	09/12/24	09/13/24	MES

Analysis Results for 515740

515740-013 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Decachlorobiphenyl	93%		%REC	24-120		Soil	1	349964	09/12/24	09/13/24	MES

Analysis Results for 515740

Sample ID: B8-0.5
Lab ID: 515740-015
Collected: 09/09/24 11:25

515740-015 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	2.9	1.2	Soil	0.97	350030	09/12/24	09/13/24	SBW
Arsenic	14		mg/Kg	0.97	0.53	Soil	0.97	350030	09/12/24	09/13/24	SBW
Barium	400		mg/Kg	0.97	0.38	Soil	0.97	350030	09/12/24	09/13/24	SBW
Beryllium	0.49		mg/Kg	0.49	0.021	Soil	0.97	350030	09/12/24	09/13/24	SBW
Cadmium	7.6		mg/Kg	0.49	0.051	Soil	0.97	350030	09/12/24	09/13/24	SBW
Chromium	55		mg/Kg	0.97	0.22	Soil	0.97	350030	09/12/24	09/13/24	SBW
Cobalt	3.4		mg/Kg	0.49	0.22	Soil	0.97	350030	09/12/24	09/13/24	SBW
Copper	47		mg/Kg	0.97	0.63	Soil	0.97	350030	09/12/24	09/13/24	SBW
Lead	3.8		mg/Kg	0.97	0.73	Soil	0.97	350030	09/12/24	09/13/24	SBW
Molybdenum	9.9		mg/Kg	0.97	0.53	Soil	0.97	350030	09/12/24	09/13/24	SBW
Nickel	98		mg/Kg	0.97	0.44	Soil	0.97	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.87	Soil	0.97	350030	09/12/24	09/13/24	SBW
Silver	0.18	J	mg/Kg	0.49	0.17	Soil	0.97	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.92	Soil	0.97	350030	09/12/24	09/13/24	SBW
Vanadium	150		mg/Kg	0.97	0.16	Soil	0.97	350030	09/12/24	09/13/24	SBW
Zinc	100		mg/Kg	4.9	1.5	Soil	0.97	350030	09/12/24	09/13/24	SBW
Method: EPA 6010B Prep Method: METHOD											
Chromium	0.018	J	mg/L	0.30	0.0074	WET Leachate	10	350871	09/23/24	09/23/24	SBW
Method: EPA 7471A Prep Method: METHOD											
Mercury	0.095	J	mg/Kg	0.16	0.058	Soil	1.1	350364	09/17/24	09/17/24	MLL
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	2.3	Soil	0.99	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.0	2.6	Soil	0.99	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.0	2.5	Soil	0.99	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.0	2.0	Soil	0.99	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.0	2.3	Soil	0.99	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.0	2.4	Soil	0.99	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	Soil	0.99	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.0	2.6	Soil	0.99	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.0	2.5	Soil	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.0	3.1	Soil	0.99	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.0	2.4	Soil	0.99	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.0	2.5	Soil	0.99	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	Soil	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.0	1.9	Soil	0.99	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	4.7	Soil	0.99	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.0	2.5	Soil	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	5.0	2.6	Soil	0.99	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	9.9	4.4	Soil	0.99	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	99	65	Soil	0.99	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	50	27	Soil	0.99	349964	09/12/24	09/13/24	MES
Surrogates				Limits							
TCMX	36%		%REC	23-120		Soil	0.99	349964	09/12/24	09/13/24	MES

Analysis Results for 515740

515740-015 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Decachlorobiphenyl	49%		%REC	24-120		Soil	0.99	349964	09/12/24	09/13/24	MES

Sample ID: B8-2	Lab ID: 515740-016	Collected: 09/09/24 11:45
	Matrix: Soil	

515740-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist	
Method: EPA 6010B											
Prep Method: EPA 3050B											
Arsenic	14		mg/Kg	0.95	0.68	0.95	350874	09/23/24	09/23/24	SBW	

Analysis Results for 515740

Sample ID: B9-0.5	Lab ID: 515740-017	Collected: 09/09/24 12:15
Matrix: Soil		

515740-017 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	1.2	0.96	350030	09/12/24	09/13/24	SBW
Arsenic	5.6		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Barium	200		mg/Kg	0.96	0.38	0.96	350030	09/12/24	09/13/24	SBW
Beryllium	0.35	J	mg/Kg	0.48	0.021	0.96	350030	09/12/24	09/13/24	SBW
Cadmium	3.7		mg/Kg	0.48	0.051	0.96	350030	09/12/24	09/13/24	SBW
Chromium	46		mg/Kg	0.96	0.22	0.96	350030	09/12/24	09/13/24	SBW
Cobalt	3.9		mg/Kg	0.48	0.21	0.96	350030	09/12/24	09/13/24	SBW
Copper	47		mg/Kg	0.96	0.62	0.96	350030	09/12/24	09/13/24	SBW
Lead	14		mg/Kg	0.96	0.72	0.96	350030	09/12/24	09/13/24	SBW
Molybdenum	6.2		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Nickel	49		mg/Kg	0.96	0.44	0.96	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.86	0.96	350030	09/12/24	09/13/24	SBW
Silver	0.50		mg/Kg	0.48	0.17	0.96	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.91	0.96	350030	09/12/24	09/13/24	SBW
Vanadium	88		mg/Kg	0.96	0.15	0.96	350030	09/12/24	09/13/24	SBW
Zinc	110		mg/Kg	4.8	1.5	0.96	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	0.11	J	mg/Kg	0.16	0.057	1.1	350364	09/17/24	09/17/24	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	4.9	2.0	0.98	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	4.9	2.4	0.98	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	4.9	3.1	0.98	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	4.9	2.1	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	4.9	1.9	0.98	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	4.9	4.7	0.98	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	4.9	2.6	0.98	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	9.8	4.4	0.98	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	98	64	0.98	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	49	27	0.98	349964	09/12/24	09/13/24	MES
Surrogates				Limits						
TCMX	75%		%REC	23-120		0.98	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	89%		%REC	24-120		0.98	349964	09/12/24	09/13/24	MES

Analysis Results for 515740

Analysis Results for 515740

Sample ID: B10-0.5	Lab ID: 515740-019	Collected: 09/09/24 13:00
Matrix: Soil		

515740-019 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.2	1	350030	09/12/24	09/13/24	SBW
Arsenic	6.6		mg/Kg	1.0	0.54	1	350030	09/12/24	09/13/24	SBW
Barium	250		mg/Kg	1.0	0.40	1	350030	09/12/24	09/13/24	SBW
Beryllium	0.44	J	mg/Kg	0.50	0.022	1	350030	09/12/24	09/13/24	SBW
Cadmium	3.7		mg/Kg	0.50	0.053	1	350030	09/12/24	09/13/24	SBW
Chromium	44		mg/Kg	1.0	0.23	1	350030	09/12/24	09/13/24	SBW
Cobalt	5.4		mg/Kg	0.50	0.22	1	350030	09/12/24	09/13/24	SBW
Copper	32		mg/Kg	1.0	0.65	1	350030	09/12/24	09/13/24	SBW
Lead	12		mg/Kg	1.0	0.75	1	350030	09/12/24	09/13/24	SBW
Molybdenum	8.5		mg/Kg	1.0	0.55	1	350030	09/12/24	09/13/24	SBW
Nickel	52		mg/Kg	1.0	0.45	1	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	3.0	0.90	1	350030	09/12/24	09/13/24	SBW
Silver	0.18	J	mg/Kg	0.50	0.17	1	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	3.0	0.95	1	350030	09/12/24	09/13/24	SBW
Vanadium	87		mg/Kg	1.0	0.16	1	350030	09/12/24	09/13/24	SBW
Zinc	95		mg/Kg	5.0	1.6	1	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	0.066	J	mg/Kg	0.16	0.057	1.1	350118	09/13/24	09/16/24	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	2.3	0.99	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.0	2.6	0.99	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.0	2.5	0.99	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.0	2.0	0.99	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.0	2.3	0.99	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.0	2.4	0.99	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	0.99	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.0	2.6	0.99	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.0	2.5	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.0	3.1	0.99	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.0	2.4	0.99	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.0	2.5	0.99	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.2	5.2	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.0	1.9	0.99	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	4.7	0.99	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.0	2.5	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDT	6.3		ug/Kg	5.0	2.6	0.99	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	9.9	4.4	0.99	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	99	65	0.99	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	50	27	0.99	349964	09/12/24	09/13/24	MES
Surrogates	Limits									
TCMX	85%		%REC	23-120		0.99	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	116%		%REC	24-120		0.99	349964	09/12/24	09/13/24	MES

Analysis Results for 515740

Sample ID: B10-2	Lab ID: 515740-020	Collected: 09/09/24 13:20
Matrix: Soil		

515740-020 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	2.4	1	350787	09/21/24	09/21/24	MES
beta-BHC	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
gamma-BHC	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
delta-BHC	ND		ug/Kg	5.1	2.1	1	350787	09/21/24	09/21/24	MES
Heptachlor	ND		ug/Kg	5.1	2.3	1	350787	09/21/24	09/21/24	MES
Aldrin	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES
Endosulfan I	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
Dieldrin	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES
4,4'-DDE	ND		ug/Kg	5.1	3.2	1	350787	09/21/24	09/21/24	MES
Endrin	ND		ug/Kg	5.1	2.4	1	350787	09/21/24	09/21/24	MES
Endosulfan II	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	1	350787	09/21/24	09/21/24	MES
4,4'-DDD	ND		ug/Kg	5.1	2.0	1	350787	09/21/24	09/21/24	MES
Endrin aldehyde	ND		ug/Kg	5.1	4.8	1	350787	09/21/24	09/21/24	MES
Endrin ketone	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
4,4'-DDT	ND		ug/Kg	5.1	2.7	1	350787	09/21/24	09/21/24	MES
Methoxychlor	ND		ug/Kg	10	4.5	1	350787	09/21/24	09/21/24	MES
Toxaphene	ND		ug/Kg	100	66	1	350787	09/21/24	09/21/24	MES
Chlordane (Technical)	ND		ug/Kg	51	28	1	350787	09/21/24	09/21/24	MES
Surrogates				Limits						
TCMX	52%		%REC	23-120		1	350787	09/21/24	09/21/24	MES
Decachlorobiphenyl	48%		%REC	24-120		1	350787	09/21/24	09/21/24	MES

CCV drift outside limits; average CCV drift within limits per method requirements
 J Estimated value
 ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1188688	Batch: 350871
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1188688 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chromium	ND		mg/L	0.30	0.0074	09/23/24	09/23/24

Type: Blank	Lab ID: QC1188689	Batch: 350871
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1188689 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chromium	ND		mg/L	0.30	0.0074	09/23/24	09/23/24

Type: Lab Control Sample	Lab ID: QC1188691	Batch: 350871
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1188691 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chromium	4.244	4.000	mg/L	106%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1188692	Batch: 350871
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1188692 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Chromium	4.283	4.000	mg/L	107%		80-120	1	20

Type: Blank	Lab ID: QC1188701	Batch: 350874
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1188701 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.72	09/23/24	09/23/24

Type: Lab Control Sample	Lab ID: QC1188702	Batch: 350874
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1188702 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	110.4	100.0	mg/Kg	110%		80-120

Type: Matrix Spike	Lab ID: QC1188704	Batch: 350874
Matrix (Source ID): Soil (516633-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1188704 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	111.9	3.990	98.04	mg/Kg	110%		75-125	0.98

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1188705	Batch: 350874
Matrix (Source ID): Soil (516633-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1188705 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	102.6	3.990	98.04	mg/Kg	101%		75-125	9	35	0.98

Type: Post Digest Spike	Lab ID: QC1188706	Batch: 350874
Matrix (Source ID): Soil (516633-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1188706 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	114.7	3.990	100.0	mg/Kg	111%		75-125	1

Type: Matrix Spike	Lab ID: QC1185675	Batch: 350030
Matrix (Source ID): Miscell. (515823-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1185675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	36.30	ND	96.15	mg/Kg	38%	*	75-125	0.96
Arsenic	109.2	18.35	96.15	mg/Kg	95%		75-125	0.96
Barium	236.2	105.8	96.15	mg/Kg	136%	*	75-125	0.96
Beryllium	94.15	0.2128	96.15	mg/Kg	98%		75-125	0.96
Cadmium	89.19	0.6983	96.15	mg/Kg	92%		75-125	0.96
Chromium	116.9	18.81	96.15	mg/Kg	102%		75-125	0.96
Cobalt	100.4	4.977	96.15	mg/Kg	99%		75-125	0.96
Copper	147.8	30.98	96.15	mg/Kg	121%		75-125	0.96
Lead	108.7	14.30	96.15	mg/Kg	98%		75-125	0.96
Molybdenum	94.01	2.852	96.15	mg/Kg	95%		75-125	0.96
Nickel	115.2	17.56	96.15	mg/Kg	102%		75-125	0.96
Selenium	89.83	ND	96.15	mg/Kg	93%		75-125	0.96
Silver	48.37	ND	48.08	mg/Kg	101%		75-125	0.96
Thallium	91.63	ND	96.15	mg/Kg	95%		75-125	0.96
Vanadium	142.1	38.26	96.15	mg/Kg	108%		75-125	0.96
Zinc	1,081	749.2	96.15	mg/Kg	345%	NM	75-125	0.96

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1185676	Batch: 350030
Matrix (Source ID): Miscell. (515823-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1185676 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	41.80	ND	99.01	mg/Kg	42%	*	75-125	11	41	0.99
Arsenic	108.8	18.35	99.01	mg/Kg	91%		75-125	3	35	0.99
Barium	226.4	105.8	99.01	mg/Kg	122%		75-125	6	20	0.99
Beryllium	95.57	0.2128	99.01	mg/Kg	96%		75-125	1	20	0.99
Cadmium	91.15	0.6983	99.01	mg/Kg	91%		75-125	1	20	0.99
Chromium	114.7	18.81	99.01	mg/Kg	97%		75-125	4	20	0.99
Cobalt	100.7	4.977	99.01	mg/Kg	97%		75-125	2	20	0.99
Copper	140.3	30.98	99.01	mg/Kg	110%		75-125	7	20	0.99
Lead	108.2	14.30	99.01	mg/Kg	95%		75-125	3	20	0.99
Molybdenum	94.89	2.852	99.01	mg/Kg	93%		75-125	2	20	0.99
Nickel	113.5	17.56	99.01	mg/Kg	97%		75-125	4	20	0.99
Selenium	92.66	ND	99.01	mg/Kg	94%		75-125	0	20	0.99
Silver	48.83	ND	49.50	mg/Kg	99%		75-125	2	20	0.99
Thallium	94.05	ND	99.01	mg/Kg	95%		75-125	0	20	0.99
Vanadium	137.9	38.26	99.01	mg/Kg	101%		75-125	5	20	0.99
Zinc	912.6	749.2	99.01	mg/Kg	165%	NM	75-125	17	20	0.99

Type: Blank	Lab ID: QC1185679	Batch: 350030
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1185679 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.2	09/12/24	09/13/24
Arsenic	ND		mg/Kg	1.0	0.54	09/12/24	09/13/24
Barium	ND		mg/Kg	1.0	0.40	09/12/24	09/13/24
Beryllium	ND		mg/Kg	0.50	0.022	09/12/24	09/13/24
Cadmium	ND		mg/Kg	0.50	0.053	09/12/24	09/13/24
Chromium	ND		mg/Kg	1.0	0.23	09/12/24	09/13/24
Cobalt	ND		mg/Kg	0.50	0.22	09/12/24	09/13/24
Copper	ND		mg/Kg	1.0	0.65	09/12/24	09/13/24
Lead	ND		mg/Kg	1.0	0.75	09/12/24	09/13/24
Molybdenum	ND		mg/Kg	1.0	0.55	09/12/24	09/13/24
Nickel	ND		mg/Kg	1.0	0.45	09/12/24	09/13/24
Selenium	ND		mg/Kg	3.0	0.90	09/12/24	09/13/24
Silver	ND		mg/Kg	0.50	0.17	09/12/24	09/13/24
Thallium	ND		mg/Kg	3.0	0.95	09/12/24	09/13/24
Vanadium	ND		mg/Kg	1.0	0.16	09/12/24	09/13/24
Zinc	ND		mg/Kg	5.0	1.6	09/12/24	09/13/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1185680	Batch: 350030
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1185680 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	99.69	100.0	mg/Kg	100%		80-120
Arsenic	100.3	100.0	mg/Kg	100%		80-120
Barium	103.3	100.0	mg/Kg	103%		80-120
Beryllium	101.5	100.0	mg/Kg	102%		80-120
Cadmium	101.9	100.0	mg/Kg	102%		80-120
Chromium	101.2	100.0	mg/Kg	101%		80-120
Cobalt	108.3	100.0	mg/Kg	108%		80-120
Copper	103.1	100.0	mg/Kg	103%		80-120
Lead	107.0	100.0	mg/Kg	107%		80-120
Molybdenum	100.4	100.0	mg/Kg	100%		80-120
Nickel	107.3	100.0	mg/Kg	107%		80-120
Selenium	95.84	100.0	mg/Kg	96%		80-120
Silver	50.42	50.00	mg/Kg	101%		80-120
Thallium	109.9	100.0	mg/Kg	110%		80-120
Vanadium	102.0	100.0	mg/Kg	102%		80-120
Zinc	101.1	100.0	mg/Kg	101%		80-120

Type: Post Digest Spike	Lab ID: QC1185683	Batch: 350030
Matrix (Source ID): Miscell. (515823-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1185683 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	97.60	ND	95.24	mg/Kg	102%		75-125	0.95
Arsenic	117.1	18.35	95.24	mg/Kg	104%		75-125	0.95
Barium	199.5	105.8	95.24	mg/Kg	98%		75-125	0.95
Beryllium	97.43	0.2128	95.24	mg/Kg	102%		75-125	0.95
Cadmium	92.19	0.6983	95.24	mg/Kg	96%		75-125	0.95
Chromium	112.6	18.81	95.24	mg/Kg	98%		75-125	0.95
Cobalt	102.2	4.977	95.24	mg/Kg	102%		75-125	0.95
Copper	136.2	30.98	95.24	mg/Kg	110%		75-125	0.95
Lead	109.8	14.30	95.24	mg/Kg	100%		75-125	0.95
Molybdenum	99.64	2.852	95.24	mg/Kg	102%		75-125	0.95
Nickel	112.4	17.56	95.24	mg/Kg	100%		75-125	0.95
Selenium	95.59	ND	95.24	mg/Kg	100%		75-125	0.95
Silver	51.07	ND	47.62	mg/Kg	107%		75-125	0.95
Thallium	98.50	ND	95.24	mg/Kg	103%		75-125	0.95
Vanadium	135.8	38.26	95.24	mg/Kg	102%		75-125	0.95
Zinc	820.2	749.2	95.24	mg/Kg	75%	NM	75-125	0.95

Type: Blank	Lab ID: QC1186893	Batch: 350364
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1186893 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.051	09/17/24	09/17/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1186894	Batch: 350364
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1186894 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7672	0.8333	mg/Kg	92%		80-120

Type: Matrix Spike	Lab ID: QC1186895	Batch: 350364
Matrix (Source ID): Soil (516072-013)	Method: EPA 7471A	Prep Method: METHOD

QC1186895 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8310	ND	0.8621	mg/Kg	96%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1186896	Batch: 350364
Matrix (Source ID): Soil (516072-013)	Method: EPA 7471A	Prep Method: METHOD

QC1186896 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Mercury	0.8084	ND	0.8621	mg/Kg	94%		75-125	3	20	1

Type: Blank	Lab ID: QC1185632	Batch: 350018
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1185632 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.051	09/12/24	09/13/24

Type: Lab Control Sample	Lab ID: QC1185633	Batch: 350018
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1185633 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7711	0.8333	mg/Kg	93%		80-120

Type: Matrix Spike	Lab ID: QC1185634	Batch: 350018
Matrix (Source ID): Miscell. (515324-001)	Method: EPA 7471A	Prep Method: METHOD

QC1185634 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8287	ND	0.9259	mg/Kg	89%		75-125	1.1

Type: Matrix Spike Duplicate	Lab ID: QC1185635	Batch: 350018
Matrix (Source ID): Miscell. (515324-001)	Method: EPA 7471A	Prep Method: METHOD

QC1185635 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Mercury	0.7564	ND	0.8621	mg/Kg	88%		75-125	2	20	1

Batch QC

Type: Blank	Lab ID: QC1185941	Batch: 350118
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1185941 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.051	09/13/24	09/13/24

Type: Lab Control Sample	Lab ID: QC1185942	Batch: 350118
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1185942 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8006	0.8333	mg/Kg	96%		80-120

Type: Matrix Spike	Lab ID: QC1185943	Batch: 350118
Matrix (Source ID): Miscell. (515752-001)	Method: EPA 7471A	Prep Method: METHOD

QC1185943 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9111	ND	0.9804	mg/Kg	93%		75-125	1.2

Type: Matrix Spike Duplicate	Lab ID: QC1185944	Batch: 350118
Matrix (Source ID): Miscell. (515752-001)	Method: EPA 7471A	Prep Method: METHOD

QC1185944 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.7786	ND	0.8621	mg/Kg	90%		75-125	3	20	1

Batch QC

Type: Blank	Lab ID: QC1185429	Batch: 349964
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546

QC1185429 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	2.3	09/12/24	09/13/24
beta-BHC	ND		ug/Kg	5.0	2.6	09/12/24	09/13/24
gamma-BHC	ND		ug/Kg	5.0	2.5	09/12/24	09/13/24
delta-BHC	ND		ug/Kg	5.0	2.0	09/12/24	09/13/24
Heptachlor	ND		ug/Kg	5.0	2.3	09/12/24	09/13/24
Aldrin	ND		ug/Kg	5.0	2.5	09/12/24	09/13/24
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	09/12/24	09/13/24
Endosulfan I	ND		ug/Kg	5.0	2.6	09/12/24	09/13/24
Dieldrin	ND		ug/Kg	5.0	2.5	09/12/24	09/13/24
4,4'-DDE	ND		ug/Kg	5.0	3.1	09/12/24	09/13/24
Endrin	ND		ug/Kg	5.0	2.4	09/12/24	09/13/24
Endosulfan II	ND		ug/Kg	5.0	2.5	09/12/24	09/13/24
Endosulfan sulfate	ND		ug/Kg	5.0	2.2	09/12/24	09/13/24
4,4'-DDD	ND		ug/Kg	5.0	2.0	09/12/24	09/13/24
Endrin aldehyde	ND		ug/Kg	5.0	4.8	09/12/24	09/13/24
Endrin ketone	ND		ug/Kg	5.0	2.6	09/12/24	09/13/24
4,4'-DDT	ND		ug/Kg	5.0	2.7	09/12/24	09/13/24
Methoxychlor	ND		ug/Kg	10	4.4	09/12/24	09/13/24
Toxaphene	ND		ug/Kg	100	65	09/12/24	09/13/24
Chlordane (Technical)	ND		ug/Kg	50	27	09/12/24	09/13/24
Surrogates				Limits			
TCMX	94%		%REC	23-120		09/12/24	09/13/24
Decachlorobiphenyl	101%		%REC	24-120		09/12/24	09/13/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1185430	Batch: 349964
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546

QC1185430 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	49.92	49.02	ug/Kg	102%		22-129
beta-BHC	51.04	49.02	ug/Kg	104%		28-125
gamma-BHC	49.37	49.02	ug/Kg	101%		22-128
delta-BHC	49.45	49.02	ug/Kg	101%		24-131
Heptachlor	49.21	49.02	ug/Kg	100%		18-124
Aldrin	45.99	49.02	ug/Kg	94%		23-120
Heptachlor epoxide	50.50	49.02	ug/Kg	103%		26-120
Endosulfan I	54.14	49.02	ug/Kg	110%		25-126
Dieldrin	57.13	49.02	ug/Kg	117%		23-124
4,4'-DDE	57.37	49.02	ug/Kg	117%		28-121
Endrin	56.16	49.02	ug/Kg	115%		25-127
Endosulfan II	53.78	49.02	ug/Kg	110%		29-121
Endosulfan sulfate	51.15	49.02	ug/Kg	104%		30-121
4,4'-DDD	50.85	49.02	ug/Kg	104%		26-120
Endrin aldehyde	35.35	49.02	ug/Kg	72%		10-120
Endrin ketone	54.11	49.02	ug/Kg	110%		28-125
4,4'-DDT	54.09	49.02	ug/Kg	110%		22-125
Methoxychlor	53.00	49.02	ug/Kg	108%		28-130
Surrogates						
TCMX	43.12	49.02	ug/Kg	88%		23-120
Decachlorobiphenyl	51.40	49.02	ug/Kg	105%		24-120

Batch QC

Type: Matrix Spike	Lab ID: QC1185454	Batch: 349964
Matrix (Source ID): Soil (515740-001)	Method: EPA 8081A	Prep Method: EPA 3546

QC1185454 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	45.35	ND	49.50	ug/Kg	92%		46-120	0.99
beta-BHC	53.27	ND	49.50	ug/Kg	108%		41-120	0.99
gamma-BHC	47.15	ND	49.50	ug/Kg	95%		41-120	0.99
delta-BHC	58.57	ND	49.50	ug/Kg	118%		38-123	0.99
Heptachlor	47.44	ND	49.50	ug/Kg	96%		39-120	0.99
Aldrin	47.41	ND	49.50	ug/Kg	96%		34-120	0.99
Heptachlor epoxide	48.36	ND	49.50	ug/Kg	98%		43-120	0.99
Endosulfan I	49.28	ND	49.50	ug/Kg	100%		45-120	0.99
Dieldrin	51.26	ND	49.50	ug/Kg	104%		45-120	0.99
4,4'-DDE	336.3	100.5	49.50	ug/Kg	476%	E,*	34-120	0.99
Endrin	51.13	ND	49.50	ug/Kg	103%		40-120	0.99
Endosulfan II	61.71	ND	49.50	ug/Kg	125%	*	41-120	0.99
Endosulfan sulfate	45.96	ND	49.50	ug/Kg	93%		42-120	0.99
4,4'-DDD	49.35	ND	49.50	ug/Kg	100%		41-120	0.99
Endrin aldehyde	47.99	ND	49.50	ug/Kg	97%		30-120	0.99
Endrin ketone	48.64	ND	49.50	ug/Kg	98%		45-120	0.99
4,4'-DDT	86.40	38.66	49.50	ug/Kg	96%		35-127	0.99
Methoxychlor	59.13	ND	49.50	ug/Kg	119%		42-136	0.99
Surrogates								
TCMX	42.78		49.50	ug/Kg	86%		23-120	0.99
Decachlorobiphenyl	54.08		49.50	ug/Kg	109%		24-120	0.99

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1185455	Batch: 349964
Matrix (Source ID): Soil (515740-001)	Method: EPA 8081A	Prep Method: EPA 3546

QC1185455 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	47.69	ND	49.50	ug/Kg	96%		46-120	5	30	0.99
beta-BHC	57.39	ND	49.50	ug/Kg	116%		41-120	7	30	0.99
gamma-BHC	47.27	ND	49.50	ug/Kg	95%		41-120	0	30	0.99
delta-BHC	58.38	ND	49.50	ug/Kg	118%		38-123	0	30	0.99
Heptachlor	49.96	ND	49.50	ug/Kg	101%		39-120	5	30	0.99
Aldrin	48.58	ND	49.50	ug/Kg	98%		34-120	2	30	0.99
Heptachlor epoxide	48.73	ND	49.50	ug/Kg	98%		43-120	1	30	0.99
Endosulfan I	50.69	ND	49.50	ug/Kg	102%		45-120	3	30	0.99
Dieldrin	49.50	ND	49.50	ug/Kg	100%		45-120	4	30	0.99
4,4'-DDE	127.7	100.5	49.50	ug/Kg	55%		34-120		30	0.99
Endrin	49.63	ND	49.50	ug/Kg	100%		40-120	3	30	0.99
Endosulfan II	61.54	ND	49.50	ug/Kg	124%	*	41-120	0	30	0.99
Endosulfan sulfate	47.52	ND	49.50	ug/Kg	96%		42-120	3	30	0.99
4,4'-DDD	48.36	ND	49.50	ug/Kg	98%		41-120	2	30	0.99
Endrin aldehyde	43.42	ND	49.50	ug/Kg	88%		30-120	10	30	0.99
Endrin ketone	49.88	ND	49.50	ug/Kg	101%		45-120	3	30	0.99
4,4'-DDT	89.95	38.66	49.50	ug/Kg	104%		35-127	4	30	0.99
Methoxychlor	58.25	ND	49.50	ug/Kg	118%		42-136	1	30	0.99
Surrogates										
TCMX	44.53		49.50	ug/Kg	90%		23-120			0.99
Decachlorobiphenyl	51.53		49.50	ug/Kg	104%		24-120			0.99

Batch QC

Type: Blank	Lab ID: QC1188354	Batch: 350787
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546

QC1188354 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.1	2.4	09/21/24	09/21/24
beta-BHC	ND		ug/Kg	5.1	2.6	09/21/24	09/21/24
gamma-BHC	ND		ug/Kg	5.1	2.6	09/21/24	09/21/24
delta-BHC	ND		ug/Kg	5.1	2.1	09/21/24	09/21/24
Heptachlor	ND		ug/Kg	5.1	2.3	09/21/24	09/21/24
Aldrin	ND		ug/Kg	5.1	2.5	09/21/24	09/21/24
Heptachlor epoxide	ND		ug/Kg	5.1	2.5	09/21/24	09/21/24
Endosulfan I	ND		ug/Kg	5.1	2.6	09/21/24	09/21/24
Dieldrin	ND		ug/Kg	5.1	2.5	09/21/24	09/21/24
4,4'-DDE	ND		ug/Kg	5.1	3.2	09/21/24	09/21/24
Endrin	ND		ug/Kg	5.1	2.4	09/21/24	09/21/24
Endosulfan II	ND		ug/Kg	5.1	2.6	09/21/24	09/21/24
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	09/21/24	09/21/24
4,4'-DDD	ND		ug/Kg	5.1	2.0	09/21/24	09/21/24
Endrin aldehyde	ND		ug/Kg	5.1	4.8	09/21/24	09/21/24
Endrin ketone	ND		ug/Kg	5.1	2.6	09/21/24	09/21/24
4,4'-DDT	ND		ug/Kg	5.1	2.7	09/21/24	09/21/24
Methoxychlor	ND		ug/Kg	10	4.5	09/21/24	09/21/24
Toxaphene	ND		ug/Kg	100	66	09/21/24	09/21/24
Chlordane (Technical)	ND		ug/Kg	51	28	09/21/24	09/21/24
Surrogates				Limits			
TCMX	84%		%REC	23-120		09/21/24	09/21/24
Decachlorobiphenyl	62%		%REC	24-120		09/21/24	09/21/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1188355	Batch: 350787
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546

QC1188355 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	48.39	50.51	ug/Kg	96%		22-129
beta-BHC	48.20	50.51	ug/Kg	95%		28-125
gamma-BHC	48.70	50.51	ug/Kg	96%		22-128
delta-BHC	47.10	50.51	ug/Kg	93%		24-131
Heptachlor	44.37	50.51	ug/Kg	88%		18-124
Aldrin	42.08	50.51	ug/Kg	83%		23-120
Heptachlor epoxide	46.74	50.51	ug/Kg	93%		26-120
Endosulfan I	48.24	50.51	ug/Kg	96%		25-126
Dieldrin	47.95	50.51	ug/Kg	95%		23-124
4,4'-DDE	49.34	50.51	ug/Kg	98%		28-121
Endrin	47.26	50.51	ug/Kg	94%		25-127
Endosulfan II	44.35	50.51	ug/Kg	88%		29-121
Endosulfan sulfate	38.28	50.51	ug/Kg	76%		30-121
4,4'-DDD	43.99	50.51	ug/Kg	87%		26-120
Endrin aldehyde	32.03	50.51	ug/Kg	63%		10-120
Endrin ketone	37.06	50.51	ug/Kg	73%		28-125
4,4'-DDT	39.06	50.51	ug/Kg	77%		22-125
Methoxychlor	38.19	50.51	ug/Kg	76%		28-130
Surrogates						
TCMX	44.85	50.51	ug/Kg	89%		23-120
Decachlorobiphenyl	32.12	50.51	ug/Kg	64%		24-120

Batch QC

Type: Matrix Spike	Lab ID: QC1188356	Batch: 350787
Matrix (Source ID): Soil (516461-001)	Method: EPA 8081A	Prep Method: EPA 3546

QC1188356 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	39.52	ND	49.50	ug/Kg	80%		46-120	0.99
beta-BHC	43.13	ND	49.50	ug/Kg	87%		41-120	0.99
gamma-BHC	40.79	ND	49.50	ug/Kg	82%		41-120	0.99
delta-BHC	41.74	ND	49.50	ug/Kg	84%		38-123	0.99
Heptachlor	37.90	ND	49.50	ug/Kg	77%		39-120	0.99
Aldrin	36.58	ND	49.50	ug/Kg	74%		34-120	0.99
Heptachlor epoxide	40.73	ND	49.50	ug/Kg	82%		43-120	0.99
Endosulfan I	42.23	ND	49.50	ug/Kg	85%		45-120	0.99
Dieldrin	40.15	ND	49.50	ug/Kg	81%		45-120	0.99
4,4'-DDE	41.92	ND	49.50	ug/Kg	85%		34-120	0.99
Endrin	41.99	ND	49.50	ug/Kg	85%		40-120	0.99
Endosulfan II	40.59	ND	49.50	ug/Kg	82%		41-120	0.99
Endosulfan sulfate	34.07	ND	49.50	ug/Kg	69%		42-120	0.99
4,4'-DDD	39.50	ND	49.50	ug/Kg	80%		41-120	0.99
Endrin aldehyde	26.53	ND	49.50	ug/Kg	54%		30-120	0.99
Endrin ketone	33.32	ND	49.50	ug/Kg	67%		45-120	0.99
4,4'-DDT	34.58	ND	49.50	ug/Kg	70%		35-127	0.99
Methoxychlor	32.92	ND	49.50	ug/Kg	66%		42-136	0.99
Surrogates								
TCMX	37.69		49.50	ug/Kg	76%		23-120	0.99
Decachlorobiphenyl	29.03		49.50	ug/Kg	59%		24-120	0.99

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1188357	Batch: 350787
Matrix (Source ID): Soil (516461-001)	Method: EPA 8081A	Prep Method: EPA 3546

QC1188357 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	39.28	ND	49.50	ug/Kg	79%		46-120	1	30	0.99
beta-BHC	43.09	ND	49.50	ug/Kg	87%		41-120	0	30	0.99
gamma-BHC	40.66	ND	49.50	ug/Kg	82%		41-120	0	30	0.99
delta-BHC	40.64	ND	49.50	ug/Kg	82%		38-123	3	30	0.99
Heptachlor	36.52	ND	49.50	ug/Kg	74%		39-120	4	30	0.99
Aldrin	34.32	ND	49.50	ug/Kg	69%		34-120	6	30	0.99
Heptachlor epoxide	38.03	ND	49.50	ug/Kg	77%		43-120	7	30	0.99
Endosulfan I	38.75	ND	49.50	ug/Kg	78%		45-120	9	30	0.99
Dieldrin	36.53	ND	49.50	ug/Kg	74%		45-120	9	30	0.99
4,4'-DDE	37.99	ND	49.50	ug/Kg	77%		34-120	10	30	0.99
Endrin	38.27	ND	49.50	ug/Kg	77%		40-120	9	30	0.99
Endosulfan II	37.88	ND	49.50	ug/Kg	77%		41-120	7	30	0.99
Endosulfan sulfate	31.12	ND	49.50	ug/Kg	63%		42-120	9	30	0.99
4,4'-DDD	36.07	ND	49.50	ug/Kg	73%		41-120	9	30	0.99
Endrin aldehyde	23.14	ND	49.50	ug/Kg	47%		30-120	14	30	0.99
Endrin ketone	30.81	ND	49.50	ug/Kg	62%		45-120	8	30	0.99
4,4'-DDT	26.80	ND	49.50	ug/Kg	54%		35-127	25	30	0.99
Methoxychlor	26.34	ND	49.50	ug/Kg	53%		42-136	22	30	0.99
Surrogates										
TCMX	38.88		49.50	ug/Kg	79%		23-120			0.99
Decachlorobiphenyl	25.46		49.50	ug/Kg	51%		24-120			0.99

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

Laboratory Job Number 515740

Subcontracted Products

American Environmental Testing



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

September 19, 2024

AETL Job No: BFI0098
Received Date: 09/12/2024
Project Number: EO-515740

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868
Telephone: (714)771-6900

Attention: Jim Lin

Project Name: EO-515740

Site:

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hailley Coleman
Project Manager

Approved By:

Daljit Khangura
Laboratory Director

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Work Order Number: BFI0098

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Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0098
Project Number: EO-515740
Attention: Jim Lin
Project Name: EO-515740

Reported: 09/19/2024 15:21

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 5.9 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y

Subcontract Laboratory:

 American Environmental Testing
 2840 N Naomi Street
 Burbank, CA 91504-2023
 ATTN: Hailley Coleman
 PO #: Required, to be sent via email

Enthalpy Order: EO-515740

 PM: Jim Lin
 Email: Jim.lin@enthalpy.com
 CC: incomingreports@enthalpy.com
 Phone: 818-319-2359

Results Due: Standard TAT

Report Level: II

Report To: MDL

EDDs: Standard Excel Transfer File (3 tab xls: SAMPDATE, QC DATA, LNOTE)

Notes:

BFI0098

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
B1-0.5	09-SEP-2024 07:35	515740-001	1	Soil	EPA 8151A Chlorinated Herbicides	
B2-0.5	09-SEP-2024 08:05	515740-003	1	Soil	EPA 8151A Chlorinated Herbicides	
B3-0.5	09-SEP-2024 08:26	515740-005	1	Soil	EPA 8151A Chlorinated Herbicides	
B4-0.5	09-SEP-2024 08:50	515740-007	1	Soil	EPA 8151A Chlorinated Herbicides	
B5-0.5	09-SEP-2024 09:28	515740-009	1	Soil	EPA 8151A Chlorinated Herbicides	
B6-0.5	09-SEP-2024 09:44	515740-011	1	Soil	EPA 8151A Chlorinated Herbicides	
B7-0.5	09-SEP-2024 09:55	515740-013	1	Soil	EPA 8151A Chlorinated Herbicides	
B8-0.5	09-SEP-2024 11:25	515740-015	1	Soil	EPA 8151A Chlorinated Herbicides	
B9-0.5	09-SEP-2024 12:15	515740-017	1	Soil	EPA 8151A Chlorinated Herbicides	
B10-0.5	09-SEP-2024 13:00	515740-019	1	Soil	EPA 8151A Chlorinated Herbicides	

 BFI0098
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 01
02
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Notes:
Relinquished By:
Received By:

 Date: *9/12/24 1030*

 Date: *09-12-24 10:30*
Greta C. [Signature]

Date:

Date:

Date:

Date:



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

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 Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

COOLER RECEIPT FORM

Client Name: Enthlapy				
Project Name: OPP & Herbicide			Project No.: EO-515740	
AETL Job Number: BF10098				
Date Received: 09/12/2024		Received by: Greta Giragoosian		
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GSL <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (1) <input type="checkbox"/> Other (Specify):				
Sample Container Temperature: 5.9 °C IR Gun S/N: 51941911MV				
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Acetate sleeves, <input type="checkbox"/> 5035 Kit: <input type="checkbox"/> AETL or <input type="checkbox"/> Client, <input type="checkbox"/> Tedlar Bags, Summa Canister: <input type="checkbox"/> 6L, <input type="checkbox"/> 3L, <input type="checkbox"/> 1L, Others (Specify): _____				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice				
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄				
<input type="checkbox"/> Other (Specify): _____				
	Yes	No*	N/A	Note or Comment
1. Are the COCs Correct?	✓			
2. Are Sample labels legible & indelible ink?	✓			
3. Do samples match the COC?	✓			
4. Are the required analyses clear?	✓			
5. Is there enough samples for required analysis?	✓			
6. Does cooler or samples have custody seal(s)?			✓	
7. Are sample containers intact and in good condition?	✓			
8. Are samples preserved?	✓			
9. Are samples preserved properly for the intended analysis?	✓			
10. Are the VOAs free of headspace? See footnote.			✓	
11. Are the jars free of headspace?			✓	
12. Are there any samples with short hold times?		✓		
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

○ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a “No” answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.



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Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0098
Project Number: EO-515740
Attention: Jim Lin
Project Name: EO-515740

Reported: 09/19/2024 15:21

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Samples Received

AETL received the following samples on 09/12/2024 with the following specifications

Client ID B1-0.5		Sample Date 09/9/2024 7:35
Lab ID BFI0098-01	Matrix Soil	Quantity of Containers 1
Analysis EPA 8151A	Units mg/kg	TAT 5
Client ID B2-0.5		Sample Date 09/9/2024 8:05
Lab ID BFI0098-02	Matrix Soil	Quantity of Containers 1
Analysis EPA 8151A	Units mg/kg	TAT 5
Client ID B3-0.5		Sample Date 09/9/2024 8:26
Lab ID BFI0098-03	Matrix Soil	Quantity of Containers 1
Analysis EPA 8151A	Units mg/kg	TAT 5
Client ID B4-0.5		Sample Date 09/9/2024 8:50
Lab ID BFI0098-04	Matrix Soil	Quantity of Containers 1
Analysis EPA 8151A	Units mg/kg	TAT 5



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Samples Received (Continued)

AETL received the following samples on 09/12/2024 with the following specifications

Client ID B5-0.5		Sample Date 09/9/2024 9:28
Lab ID BFI0098-05	Matrix Soil	Quantity of Containers 1
Analysis EPA 8151A	Units mg/kg	TAT 5
Client ID B6-0.5		Sample Date 09/9/2024 9:44
Lab ID BFI0098-06	Matrix Soil	Quantity of Containers 1
Analysis EPA 8151A	Units mg/kg	TAT 5
Client ID B7-0.5		Sample Date 09/9/2024 9:55
Lab ID BFI0098-07	Matrix Soil	Quantity of Containers 1
Analysis EPA 8151A	Units mg/kg	TAT 5
Client ID B8-0.5		Sample Date 09/9/2024 11:25
Lab ID BFI0098-08	Matrix Soil	Quantity of Containers 1
Analysis EPA 8151A	Units mg/kg	TAT 5



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Samples Received

(Continued)

AETL received the following samples on 09/12/2024 with the following specifications

Client ID	Sample Date
B9-0.5	09/9/2024 12:15
Lab ID	Matrix
BFI0098-09	Soil
Quantity of Containers	
1	
Analysis	Units
EPA 8151A	mg/kg
TAT	
5	
Client ID	Sample Date
B10-0.5	09/9/2024 13:00
Lab ID	Matrix
BFI0098-10	Soil
Quantity of Containers	
1	
Analysis	Units
EPA 8151A	mg/kg
TAT	
5	
Total Number of Samples received:	
10	



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Positive Hits Summary

Lab ID	Client ID					Sampled
BFI0098-10	B10-0.5					09/09/2024 13:00
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8151A	Pentachlorophenol (PCP)	0.0146		mg/kg	09/19/2024 05:34	



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Analytical Results

Client ID: B1-0.5

Lab ID: BFI0098-01 (Soil)

Sampled: 09/09/24 7:35

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Chlorinated Herbicides

Method: EPA 8151A

Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
<hr/>										
Surrogate: DCAA	Recovery			Acceptance Criteria						
	50.5%			25-140		09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Analytical Results

Client ID: B2-0.5

Lab ID: BFI0098-02 (Soil)

Sampled: 09/09/24 8:05

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Chlorinated Herbicides

Method: EPA 8151A

Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
<hr/>										
Surrogate: DCAA	Recovery			Acceptance Criteria						
	33.1%			25-140		09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Analytical Results

Client ID: B3-0.5

Lab ID: BFI0098-03 (Soil)

Sampled: 09/09/24 8:26

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Chlorinated Herbicides

Method: EPA 8151A

Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
<hr/>										
<i>Surrogate: DCAA</i>		Recovery			Acceptance Criteria					
		82.4%			25-140	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Analytical Results

Client ID: B4-0.5

Lab ID: BFI0098-04 (Soil)

Sampled: 09/09/24 8:50

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Chlorinated Herbicides

Method: EPA 8151A

Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
<hr/>										
Surrogate: DCAA	Recovery			Acceptance Criteria						
	55.8%			25-140		09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Analytical Results

Client ID: B5-0.5

Lab ID: BFI0098-05 (Soil)

Sampled: 09/09/24 9:28

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Chlorinated Herbicides

Method: EPA 8151A

Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
<hr/>										
Surrogate: DCAA	Recovery			Acceptance Criteria						
	98.9%			25-140		09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Analytical Results

Client ID: B6-0.5

Lab ID: BFI0098-06 (Soil)

Sampled: 09/09/24 9:44

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Chlorinated Herbicides

Method: EPA 8151A

Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
<hr/>										
Surrogate: DCAA	Recovery			Acceptance Criteria						
	71.5%			25-140		09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Analytical Results

Client ID: B7-0.5

Lab ID: BFI0098-07 (Soil)

Sampled: 09/09/24 9:55

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Chlorinated Herbicides

Method: EPA 8151A

Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
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Surrogate: DCAA	Recovery			Acceptance Criteria						
	26.5%			25-140		09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Analytical Results

Client ID: B8-0.5

Lab ID: BFI0098-08 (Soil)

Sampled: 09/09/24 11:25

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Chlorinated Herbicides

Method: EPA 8151A

Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Surrogate: DCAA		Recovery		Acceptance Criteria						
		43.4%		25-140		09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Analytical Results

Client ID: B9-0.5

Lab ID: BFI0098-09 (Soil)

Sampled: 09/09/24 12:15

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Chlorinated Herbicides

Method: EPA 8151A

Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
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Surrogate: DCAA	Recovery			Acceptance Criteria						
	41.4%			25-140		09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Analytical Results

Client ID: B10-0.5

Lab ID: BFI0098-10 (Soil)

Sampled: 09/09/24 13:00

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Chlorinated Herbicides

Method: EPA 8151A

Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Pentachlorophenol (PCP)	0.0146		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
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Surrogate: DCAA	Recovery			Acceptance Criteria						
	77.0%			25-140		09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Quality Control Results

Chlorinated Herbicides (EPA 8151A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4I0154 - 3550B				Prepared: 09/16/2024 11:42						
Method Blank (B4I0154-BLK1)				Analyzed: 09/19/2024 00:14						
Acifluorfen	ND	0.00250	mg/kg							
Bentazon	ND	0.00250	mg/kg							
Chloramben	ND	0.00250	mg/kg							
2,4-D	ND	0.00250	mg/kg							
2,4-DB	ND	0.00250	mg/kg							
DCPA diacid	ND	0.00250	mg/kg							
Dalapon	ND	0.00250	mg/kg							
Dicamba	ND	0.00250	mg/kg							
3,5-Dichlorobenzoic acid	ND	0.00250	mg/kg							
Dichloroprop	ND	0.00250	mg/kg							
Dinoseb	ND	0.00250	mg/kg							
MCPA	ND	0.250	mg/kg							
MCPP	ND	0.250	mg/kg							
4-Nitrophenol	ND	0.00250	mg/kg							
Pentachlorophenol (PCP)	ND	0.00250	mg/kg							
Picloram	ND	0.00250	mg/kg							
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND	0.00250	mg/kg							
2,4,5-TP	ND	0.00250	mg/kg							

Surrogate: DCAA	0.0454		mg/kg	0.0500		90.9	25-140			



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Quality Control Results

Chlorinated Herbicides (EPA 8151A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4I0154 - 3550B (Continued)				Prepared: 09/16/2024 11:42						
LCS (B4I0154-BS1)				Analyzed: 09/18/2024 22:18						
Acifluorfen	0.0336	0.00250	mg/kg	0.0250		134	40-140			
Bentazon	0.0332	0.00250	mg/kg	0.0250		133	40-140			
Chloramben	0.00784	0.00250	mg/kg	0.0250		31.4	20-150			
2,4-D	0.0226	0.00250	mg/kg	0.0250		90.5	40-140			
2,4-DB	0.0183	0.00250	mg/kg	0.0250		73.1	40-140			
DCPA diacid	0.0100	0.00250	mg/kg	0.0250		40.0	40-140			
Dalapon	0.0200	0.00250	mg/kg	0.0250		80.1	40-140			
Dicamba	0.0313	0.00250	mg/kg	0.0250		125	40-140			
3,5-Dichlorobenzoic acid	0.0266	0.00250	mg/kg	0.0250		106	40-140			
Dichloroprop	0.0253	0.00250	mg/kg	0.0250		101	40-140			
Dinoseb	0.0334	0.00250	mg/kg	0.0250		134	20-150			
MCPA	3.46	0.250	mg/kg	2.50		138	40-140			
MCPP	2.75	0.250	mg/kg	2.50		110	40-140			
4-Nitrophenol	0.0135	0.00250	mg/kg	0.0250		53.9	40-140			
Pentachlorophenol (PCP)	0.0344	0.00250	mg/kg	0.0250		137	40-140			
Picloram	0.00927	0.00250	mg/kg	0.0250		37.1	20-150			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.0311	0.00250	mg/kg	0.0250		125	40-140			
2,4,5-TP	0.0318	0.00250	mg/kg	0.0250		127	40-140			
<i>Surrogate: DCAA</i>	<i>0.0369</i>		<i>mg/kg</i>	<i>0.0500</i>		<i>73.7</i>	<i>25-140</i>			
LCS (B4I0154-BSD1)				Analyzed: 09/18/2024 22:47						
Acifluorfen	0.0309	0.00250	mg/kg	0.0250		123	40-140	8.52	40	
Bentazon	0.0188	0.00250	mg/kg	0.0250		75.3	40-140	55.2	40	R
Chloramben	0.00753	0.00250	mg/kg	0.0250		30.1	20-150	4.15	40	
2,4-D	0.0215	0.00250	mg/kg	0.0250		85.8	40-140	5.29	40	
2,4-DB	0.0170	0.00250	mg/kg	0.0250		68.0	40-140	7.24	40	
DCPA diacid	0.0106	0.00250	mg/kg	0.0250		42.3	40-140	5.46	40	
Dalapon	0.0142	0.00250	mg/kg	0.0250		57.0	40-140	33.7	40	
Dicamba	0.0272	0.00250	mg/kg	0.0250		109	40-140	13.8	40	
3,5-Dichlorobenzoic acid	0.0252	0.00250	mg/kg	0.0250		101	40-140	5.29	40	
Dichloroprop	0.0326	0.00250	mg/kg	0.0250		130	40-140	25.0	40	
Dinoseb	0.0311	0.00250	mg/kg	0.0250		124	20-150	7.11	40	
MCPA	3.47	0.250	mg/kg	2.50		139	40-140	<1.00	40	
MCPP	2.77	0.250	mg/kg	2.50		111	40-140	<1.00	40	
4-Nitrophenol	0.0150	0.00250	mg/kg	0.0250		60.1	40-140	10.9	40	
Pentachlorophenol (PCP)	0.0320	0.00250	mg/kg	0.0250		128	40-140	7.10	40	
Picloram	0.00883	0.00250	mg/kg	0.0250		35.3	20-150	4.88	40	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.0305	0.00250	mg/kg	0.0250		122	40-140	2.01	40	
2,4,5-TP	0.0318	0.00250	mg/kg	0.0250		127	40-140	<1.00	40	
<i>Surrogate: DCAA</i>	<i>0.0340</i>		<i>mg/kg</i>	<i>0.0500</i>		<i>67.9</i>	<i>25-140</i>			



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Enthalpy Analytical 931 W. Barkley Ave. Orange, CA 92868	AETL Job Number: BFI0098 Project Number: EO-515740 Attention: Jim Lin Project Name: EO-515740	Reported: 09/19/2024 15:21
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Quality Control Results

Chlorinated Herbicides (EPA 8151A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4I0154 - 3550B (Continued)										
Matrix Spike (B4I0154-MS1)				Source: BFI0098-03			Prepared: 09/16/2024 11:42 Analyzed: 09/18/2024 23:16			
Acifluorfen	0.0244	0.00250	mg/kg	0.0248	ND	98.6	30-140			
Bentazon	0.0318	0.00250	mg/kg	0.0248	ND	128	30-140			
Chloramben	0.00557	0.00250	mg/kg	0.0248	ND	22.5	30-140			M
2,4-D	0.0172	0.00250	mg/kg	0.0248	ND	69.2	30-140			
2,4-DB	0.0296	0.00250	mg/kg	0.0248	ND	119	30-140			
DCPA diacid	0.00135	0.00250	mg/kg	0.0248	ND	5.46	30-140			M
Dalapon	0.0103	0.00250	mg/kg	0.0248	ND	41.8	30-140			
Dicamba	0.0259	0.00250	mg/kg	0.0248	ND	105	30-140			
3,5-Dichlorobenzoic acid	0.0192	0.00250	mg/kg	0.0248	ND	77.5	30-140			
Dichloroprop	0.0272	0.00250	mg/kg	0.0248	ND	110	30-140			
Dinoseb	0.0299	0.00250	mg/kg	0.0248	ND	121	30-140			
MCPA	1.31	0.250	mg/kg	2.48	ND	52.9	30-140			
MCPP	1.52	0.250	mg/kg	2.48	ND	61.3	30-140			
4-Nitrophenol	0.0156	0.00250	mg/kg	0.0248	ND	62.9	30-140			
Pentachlorophenol (PCP)	0.0253	0.00250	mg/kg	0.0248	ND	102	30-140			
Picloram	0.000730	0.00250	mg/kg	0.0248	ND	2.95	30-140			M
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.0221	0.00250	mg/kg	0.0248	ND	89.2	30-140			
2,4,5-TP	0.0266	0.00250	mg/kg	0.0248	ND	107	30-140			
Surrogate: DCAA	0.0469		mg/kg	0.0496		94.7	25-140			

Matrix Spike Dup (B4I0154-MSD1)										
Source: BFI0098-03				Analyzed: 09/18/2024 23:45						
Acifluorfen	0.0234	0.00250	mg/kg	0.0249	ND	93.9	30-140	4.51	40	
Bentazon	0.0325	0.00250	mg/kg	0.0249	ND	131	30-140	2.31	40	
Chloramben	0.0108	0.00250	mg/kg	0.0249	ND	43.5	30-140	64.0	40	R
2,4-D	0.0173	0.00250	mg/kg	0.0249	ND	69.5	30-140	<1.00	40	
2,4-DB	0.0243	0.00250	mg/kg	0.0249	ND	97.8	30-140	19.4	40	
DCPA diacid	0.00131	0.00250	mg/kg	0.0249	ND	5.27	30-140	3.27	40	M
Dalapon	0.0112	0.00250	mg/kg	0.0249	ND	45.2	30-140	8.31	40	
Dicamba	0.0261	0.00250	mg/kg	0.0249	ND	105	30-140	<1.00	40	
3,5-Dichlorobenzoic acid	0.0192	0.00250	mg/kg	0.0249	ND	77.2	30-140	<1.00	40	
Dichloroprop	0.0253	0.00250	mg/kg	0.0249	ND	102	30-140	7.16	40	
Dinoseb	0.0314	0.00250	mg/kg	0.0249	ND	126	30-140	4.78	40	
MCPA	1.25	0.250	mg/kg	2.49	ND	50.1	30-140	5.09	40	
MCPP	1.40	0.250	mg/kg	2.49	ND	56.4	30-140	7.91	40	
4-Nitrophenol	0.0160	0.00250	mg/kg	0.0249	ND	64.4	30-140	2.75	40	
Pentachlorophenol (PCP)	0.0252	0.00250	mg/kg	0.0249	ND	101	30-140	<1.00	40	
Picloram	0.00156	0.00250	mg/kg	0.0249	ND	6.28	30-140	72.5	40	M, R
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.0228	0.00250	mg/kg	0.0249	ND	91.5	30-140	3.01	40	
2,4,5-TP	0.0267	0.00250	mg/kg	0.0249	ND	107	30-140	<1.00	40	
Surrogate: DCAA	0.0446		mg/kg	0.0498		89.6	25-140			



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Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0098
Project Number: EO-515740
Attention: Jim Lin
Project Name: EO-515740

Reported: 09/19/2024 15:21

Quality Control Results

Chlorinated Herbicides (EPA 8151A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Enthalpy Analytical	AETL Job Number:	BF10098	
931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Qualifiers and Definitions

ITEM	Qualifiers
M	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference. Laboratory Control Samples(LCS/LCSD) recovery were acceptable.
R	The RPD was outside of QC acceptance limits due to possible matrix interference.
ITEM	Definitions
% wt	Percent Weight
%REC	Percent Recovery
*	Value outside of control limits.
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour



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	Project Name:	EO-515740	Reported: 09/19/2024 15:21

MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
Q	Qualifier Column
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction