

# **Appendix L**

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Phase II Environmental Site Assessment



**Rincon Consultants, Inc.**

250 East 1st Street, Suite 1400  
Los Angeles, California 90012  
213-788-4842

June 9, 2023

Project No.: 22-13404

Scott Kinsey, AICP, Planner V

City of Long Beach.

411 West Ocean Boulevard, 3<sup>rd</sup> Floor

Long Beach, California 90802

Via email: [Scott.Kinsey@longbeach.gov](mailto:Scott.Kinsey@longbeach.gov)

**Subject: Phase II Environmental Site Assessment, Intex Corporate Office and Fulfillment Center  
4000 Via Oro Avenue, Long Beach, California**

Dear Mr. Kinsey:

Rincon Consultants, Inc. (Rincon) is pleased to submit this letter report summarizing the results of a Phase II Environmental Site Assessment (ESA) performed at the Intex Corporate Office and Fulfillment Center site, at 4000 Via Oro Avenue in Long Beach, California (site – Figure 1). The Phase II ESA was conducted for the City of Long Beach and comprised a soil and soil vapor assessment to evaluate the site for potential impacts from former land uses and adjacent properties of concern identified in the Phase I ESA prepared for the site by Rincon, dated March 4, 2023. This Phase II ESA was prepared in accordance with the scope of work outlined in Rincon’s proposal dated April 3, 2023.

## **Project Background**

Rincon’s Phase I ESA identified the following environmental concerns at the site:

### **Recognized Environmental Conditions (RECs)**

1. Former agricultural use (1928-1977)
2. Location within the Long Beach Oil and Gas Field, and former oil and gas well located on the subject property and southern adjacent property

### **Notable Findings**

1. Onsite fill to 2.5 feet below ground surface (bgs)
2. Potential presence of aerially deposited lead (ADL) in shallow soil due to eastern adjacent I-710

Rincon recommended that a subsurface investigation be conducted at the site.

### **Objectives**

The Phase II ESA scope of work was developed to evaluate the site for potential impacts to soil and soil vapor from former land uses at the site and the east adjacent I-710 freeway identified in the Phase I ESA. To meet these objectives, the following scope of work was developed:

- The collection of soil samples and analysis for Title 22 metals and organochlorine pesticides (OCPs) to evaluate for potential impacts from former agricultural use and the presence of ADL;



- The collection of soil samples and analysis for total petroleum hydrocarbons (TPH) in gasoline (-g), diesel (-d) and motor oil (-o) ranges to evaluate potential impacts from the former oil and gas well; and
- The collection of soil vapor samples and analysis for volatile organic compounds (VOCs), TPHg, and methane to evaluate if soil vapor is impacted as a result of former land uses.

## Scope of Work

### Soil Matrix Sampling and Analysis

On May 9, 2023, Rincon advanced a total of 10 shallow soil borings via hand auger to a maximum depth of 2 feet bgs (SB-1 through SB-10; Figure 2). Soil samples were collected from the 0.5-foot interval and 2-foot interval from each boring location. Soil samples were transferred into laboratory-supplied containers, capped, labeled, and stored in a cooler chilled with ice and transported to a State of California certified analytical laboratory under standard chain of custody protocol. Prior to drilling activities, Rincon notified Underground Service Alert/Digalert on May 4, 2023 (Ticket number A231240620).

Soil matrix samples were analyzed as follows:

- **Soil matrix analysis for borings to evaluate former agricultural use and presence of ADL:** Soil matrix samples were collected from eight soil boring locations at the 0.5-foot interval and the 2-foot interval (SB-1, SB-2, and SB-5 through SB-10) and were analyzed for the following constituents:
  - Title 22 Metals by Environmental Protection Agency (EPA) Method 6020B/7471A
  - OCPs by EPA Method 8081A
- **Soil matrix analysis for borings adjacent to the former oil and gas well:** Soil matrix samples were collected from two soil boring locations at the 0.5-foot interval and the 2-foot interval (SB-3 and SB-4) and were analyzed for the following constituents:
  - TPH-g, -d, -o by EPA Method 8015B CC

During the advancement of soil borings, soil was screened for VOCs using a photoionization detector (PID) and soil lithology was logged in accordance with the Unified Soil Classification System. Shallow soil at the site was observed as slightly moist, sandy silt with trace fine gravel; a boring log representative of site-wide conditions encountered during hand augering is provided as Attachment 1. Upon completion of soil sampling, each soil boring was backfilled with native soil retrieved from its respective boring location.

Reusable sampling equipment underwent a three-stage decontamination procedure between sampling locations, including a phosphate-free detergent followed by tap water and distilled water rinses.

### Soil Vapor Probe Installation

On May 9, 2023, Rincon subcontracted Optimal Technology, Inc. (Optimal), a California accredited mobile laboratory that also provides borehole advancement services, to collect soil vapor samples from 5 feet bgs and 15 feet bgs at three locations. However, due to surface soil conditions (soft, tilled), Optimal was unable to drive their mobile laboratory onto the site. Instead, a hand drill was used to install a total of seven temporary soil vapor probes to a maximum depth of 5 feet bgs along the



perimeter of the site (SV-1 through SV-7). Soil vapor probe locations SV-4 and SV-6 were collocated with soil boring locations SB- 6 and SB-5, respectively (Figure 2). The change in total depth of the soil vapor probes does not impact our ability to meet the objectives of this assessment.

Soil vapor sampling was completed in general accordance with the California Department of Toxic Substances Control (DTSC) Advisory - Active Soil Gas Investigations<sup>1</sup>.

Soil vapor samples were analyzed for VOCs and TPH-g using Modified EPA Method 8260B, and methane using Modified EPA Method 8015.

## Summary of Analytical Results

### Soil Matrix Analytical Results

Summaries of the soil matrix analytical data for metals, OCPs, and TPH are presented in Table 1 through Table 2, respectively, and the laboratory analytical report is provided as Attachment 2. Soil matrix analytical results were compared to the San Francisco Bay Regional Water Quality Control Board (SFB RWQCB) Environmental Screening Levels (ESLs) for construction worker and commercial/industrial land uses (SFB RWQCB 2019)<sup>2</sup>.

#### Arsenic

Arsenic was detected at concentrations above the construction worker ESL (0.98 milligram per kilogram [mg/kg]) and commercial ESL (0.31 mg/kg) in the soil samples collected from the 0.5-foot and 2-foot intervals. However, arsenic concentrations in the soil samples collected at the site are consistent with background concentrations of arsenic in California<sup>3</sup>.

#### Metals

Various metals were detected at concentrations above laboratory reporting limits in soil samples collected from SB-1, SB-2, and SB-5 through SB-10, however, concentrations are below applicable ESLs (Table 1).

#### OCPs

Dichlorodiphenyldichloroethane (4,4-DDD), dichlorodipenyldichloroethylene (4,4-DDE), and dichlorodiphenyltrichloroethane (4,4-DDT) were detected at concentrations above laboratory reporting limits in soil samples collected from SB-1, SB-2, and SB-5 through SB-10), however, concentrations were below applicable ESLs. Various other OCPs were not detected above laboratory reporting limits.

4,4-DDE was detected in soil at SB-2 at the 2-foot interval (SB-2-2) at a concentration of 1.2 mg/kg, which exceeds the Total Threshold Limit Concentration (TTLC) of 1.0 mg/kg; therefore, this sample was subject to Soluble Threshold Limit Concentration (STLC) analysis for waste characterization purposes.<sup>4</sup> The STLC results indicate that soil in this location is not characterized as a California hazardous waste for 4,4-DDE.

<sup>1</sup> DTSC, Los Angeles Regional Water Quality Control Board (LA RWQCB), and San Francisco Bay Regional Water Quality Control Board (SF RWQCB), 2015. Advisory Active Soil Gas Investigation. July 2015

<sup>2</sup> SFB RWQCB, 2019. Environmental Screening Levels (ESLs). July 2019.

<sup>3</sup> G. R. Bradford, A. C. Change, A. L. Page, D. Bakhtar, J. A. Frampton, and H. Wright. Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California. 1996. Kearney Foundation Special Report: Background Concentrations of Trace and Major Elements in California Soils. March 1996

<sup>4</sup> California Code of Regulations, Title 22, Division 4.5, Chapter 11, Article 3, Section 66261.24



## **TPH**

TPH-g, TPH-d, and TPH-o were not detected above the laboratory reporting limits in the soil samples (SB-3 and SB-4), collected near the approximate location of the former oil and gas well (Figure 2); laboratory analytical report is provided in Attachment 3.

## **Soil Vapor Analytical Results**

VOCs, THP-g, and methane were not detected above laboratory reporting limits in the soil vapor samples. The soil vapor laboratory analytical report is provided as Attachment 3.

## **Former Oil and Gas Well Requirements**

According to the City of Long Beach, requirements for abandonment of the former onsite oil and gas well will be handled by the City's Building and Safety Bureau, with notification to the California Department of Conservation Geologic Energy Management Division (CalGEM) if required.

## **Conclusions and Recommendations**

- Various metals were detected in soil matrix samples; however, concentrations do not exceed applicable commercial/industrial or construction worker ESLs. Soil does not appear to be impacted from former agricultural use, or ADL.
- No impacts from the former onsite oil and gas well were identified during this limited soil and soil vapor investigation. However, Rincon recommends that before site is redeveloped, the City of Long Beach complete a geophysical survey to identify the exact location of the oil and gas well and consult with CalGEM on abandonment requirements.
- No additional assessment is recommended at this time.

## **Limitations**

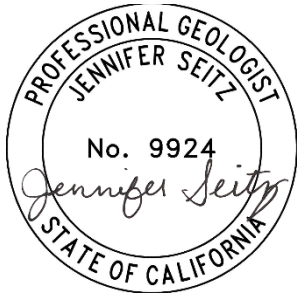
This report has been prepared for and is intended for the exclusive use of the City of Long Beach. The contents of this report should not be relied upon by any other party without the written consent of Rincon. Our conclusions regarding the site are based on observations of existing site conditions and the results of the subsurface sampling program described in this report. The results of this evaluation are qualified by the fact that only limited sampling and analytical testing was conducted during this assessment.

This scope was not intended to completely establish the quantities and distribution of contaminants present at the site. The concentrations of contaminants measured at any given location may not be representative of conditions at other locations. Furthermore, conditions may change at any particular location as a function of time in response to natural conditions, chemical reactions, and other events. Conclusions regarding the condition of the site do not represent a warranty that all areas within the site are similar to those sampled.



We appreciate the opportunity to support you on this project. Please contact us with any questions or concerns.

Sincerely,  
**Rincon Consultants, Inc.**



*This document has been digitally signed and sealed by Jennifer Seitz, PG on 6/9/2023.*

Jennifer Seitz, PG 9924  
Project Manager



*This document has been digitally signed and sealed by Ryan Thacher, PhD, PE on 6/9/2023.*

Ryan Thacher, PhD, PE 87757  
Director, Site Assessment and Remediation

Lauren Vigliotti  
Environmental Scientist

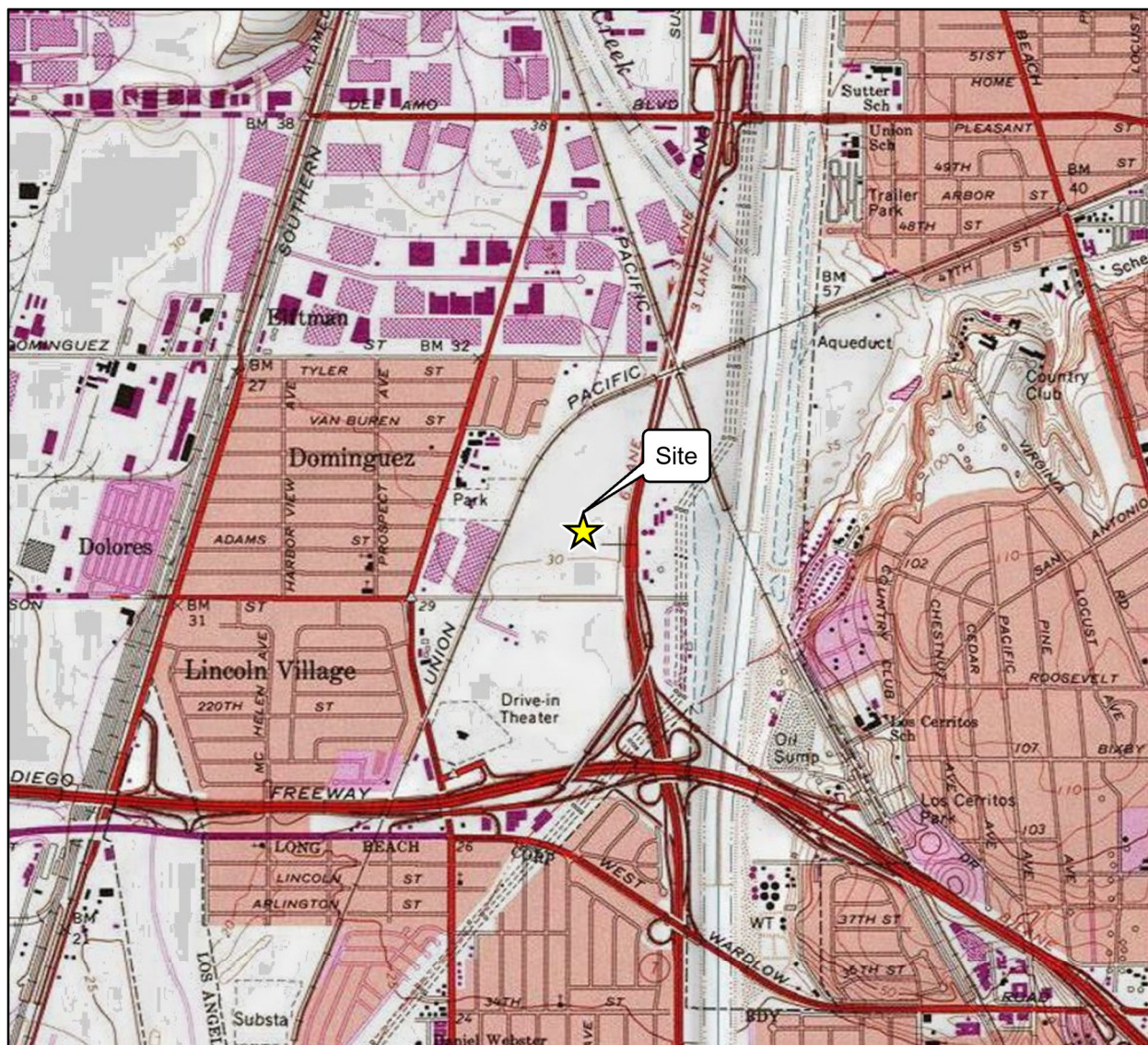
**Attachments**

- Figure 1 Vicinity Map
- Figure 2 Site and Sampling Location Map
- Table 1 Soil Matrix Analytical Results – Metals
- Table 2 Soil Matrix Analytical Results – OCPs
- Attachment 1 Boring Log
- Attachment 2 Soil Matrix Laboratory Analytical Report
- Attachment 3 Soil Vapor Laboratory Analytical Report

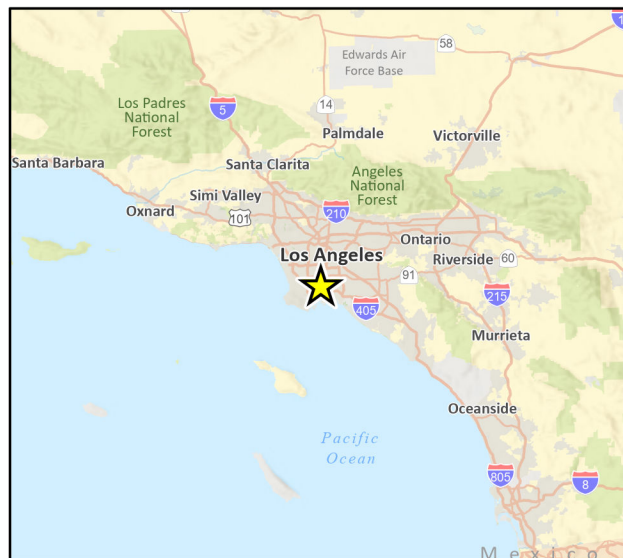
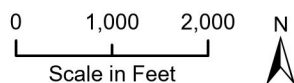
## Figures

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**Intex Corporate Office and Fulfillment Center  
Phase II Environmental Site Assessment**



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Vicinity Map

Figure 1



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Site and Sampling Location Map

Figure 2

## **Tables**

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Table 1: Soil Matrix Analytical Results - Metals

Sample ID	Sample Depth (ft. bgs)	Sample Date	Antimony	Arsenic <sup>1</sup>	Barium	Beryllium	Cadmium	Chromium <sup>2</sup>	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
mg/kg																				
<b>Rincon Results</b>																				
SB-1-0.5	0.5	5/9/2023	ND<0.98	<b>7.0</b>	<b>150</b>	ND<0.98	ND<0.49	<b>26</b>	<b>11</b>	<b>31</b>	<b>15</b>	ND<0.15	ND<0.98	<b>23</b>	ND<2	ND<0.49	ND<0.98	<b>46</b>	<b>78</b>	
SB-1-2	2		<b>1.3</b>	<b>7.5</b>	<b>180</b>	ND<0.98	ND<0.49	<b>32</b>	<b>12</b>	<b>32</b>	<b>16</b>	ND<0.15	ND<0.98	<b>24</b>	ND<2	ND<0.49	ND<0.98	<b>52</b>	<b>85</b>	
SB-2-0.5	0.5		ND<0.98	<b>6.5</b>	<b>130</b>	ND<0.98	ND<0.49	<b>27</b>	<b>9.1</b>	<b>23</b>	<b>14</b>	ND<0.15	ND<0.98	<b>22</b>	ND<2	ND<0.49	ND<0.98	<b>48</b>	<b>75</b>	
SB-2-2	2		ND<1	<b>7.6</b>	<b>190</b>	ND<1	ND<0.5	<b>31</b>	<b>12</b>	<b>32</b>	<b>18</b>	ND<0.17	ND<1	<b>26</b>	ND<2	ND<0.5	ND<1	<b>57</b>	<b>99</b>	
SB-3-0.5	0.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-3-2	2		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-4-0.5	0.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-4-2	2		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-5-0.5	0.5		ND<0.96	<b>6.5</b>	<b>150</b>	ND<0.96	ND<0.48	<b>26</b>	<b>10</b>	<b>26</b>	<b>18</b>	ND<0.15	ND<0.96	<b>22</b>	ND<1.9	ND<0.48	ND<0.96	<b>49</b>	<b>71</b>	
SB-5-2	2		ND<0.96	<b>7.2</b>	<b>190</b>	ND<0.96	ND<0.48	<b>29</b>	<b>12</b>	<b>30</b>	<b>17</b>	ND<0.15	ND<0.96	<b>26</b>	ND<1.9	ND<0.48	ND<0.96	<b>55</b>	<b>90</b>	
SB-6-0.5	0.5		ND<0.96	<b>7.6</b>	<b>140</b>	ND<0.96	ND<0.48	<b>26</b>	<b>9.4</b>	<b>24</b>	<b>11</b>	ND<0.15	ND<0.96	<b>21</b>	ND<1.9	ND<0.48	ND<0.96	<b>45</b>	<b>68</b>	
SB-6-2	2		ND<0.99	<b>7.0</b>	<b>190</b>	ND<0.99	ND<0.5	<b>28</b>	<b>12</b>	<b>30</b>	<b>20</b>	ND<0.15	ND<0.99	<b>24</b>	ND<2	ND<0.5	ND<0.99	<b>55</b>	<b>88</b>	
SB-7-0.5	0.5		ND<0.98	<b>5.7</b>	<b>110</b>	ND<0.98	ND<0.49	<b>23</b>	<b>9</b>	<b>21</b>	<b>14</b>	ND<0.14	ND<0.98	<b>18</b>	ND<2	ND<0.49	ND<0.98	<b>39</b>	<b>66</b>	
SB-7-2	2		ND<0.98	<b>6.8</b>	<b>160</b>	ND<0.98	ND<0.49	<b>28</b>	<b>12</b>	<b>27</b>	<b>19</b>	ND<0.17	ND<0.98	<b>23</b>	ND<2	ND<0.49	ND<0.98	<b>50</b>	<b>80</b>	
SB-8-0.5	0.5		ND<0.96	<b>4.5</b>	<b>90</b>	ND<0.96	ND<0.48	<b>26</b>	<b>9.6</b>	<b>16</b>	<b>13</b>	ND<0.14	ND<0.96	<b>19</b>	ND<1.9	ND<0.48	ND<0.96	<b>40</b>	<b>54</b>	
SB-8-2	2		ND<0.98	<b>6.5</b>	<b>150</b>	ND<0.98	ND<0.49	<b>25</b>	<b>12</b>	<b>27</b>	<b>13</b>	ND<0.17	ND<0.98	<b>21</b>	ND<2	ND<0.49	ND<0.98	<b>49</b>	<b>71</b>	
SB-9-0.5	0.5	ND<0.98	<b>6.6</b>	<b>160</b>	ND<0.98	ND<0.49	<b>24</b>	<b>11</b>	<b>27</b>	<b>22</b>	ND<0.16	ND<0.98	<b>21</b>	ND<2	ND<0.49	ND<0.98	<b>47</b>	<b>85</b>		
SB-9-2	2	ND<0.96	<b>4.7</b>	<b>160</b>	ND<0.96	ND<0.48	<b>27</b>	<b>11</b>	<b>28</b>	<b>9.0</b>	ND<0.15	ND<0.96	<b>21</b>	ND<1.9	ND<0.48	ND<0.96	<b>49</b>	<b>63</b>		
SB-10-0.5	0.5	ND<0.98	<b>7.6</b>	<b>100</b>	ND<0.98	ND<0.49	<b>24</b>	<b>9.2</b>	<b>19</b>	<b>15</b>	ND<0.17	<b>1.1</b>	<b>20</b>	ND<2	ND<0.49	ND<0.98	<b>43</b>	<b>59</b>		
SB-10-2	2	ND<0.96	<b>7.4</b>	<b>180</b>	ND<0.96	ND<0.48	<b>31</b>	<b>13</b>	<b>29</b>	<b>18</b>	ND<0.16	ND<0.96	<b>26</b>	ND<1.9	ND<0.48	ND<0.96	<b>57</b>	<b>89</b>		
Construction Worker ESLs			50	0.98	3,000	27	51	NE	28	14,000	160	44	1,800	86	1,700	1,800	3.5	470	110,000	
Commercial/Industrial ESLs			160	0.31	220,000	230	1100	NE	350	47,000	320	190	5,800	11,000	5,800	5,800	12	5,800	350,000	
Background Concentration			0.15 - 1.95	0.6 - 11	133 - 1,400	0.25 - 2.70	0.05 - 1.70	23 - 1,579	2.7 - 46.9	9.1 - 96.4	12.4 - 97.1	0.05 - 0.90	0.1 - 9.6	9.0 - 509	0.015 - 0.430	0.10 - 8.3	0.17 - 1.1	39 - 288	88 - 236	

**Notes**

1 - Arsenic concentrations compared to Kearny Foundation background concentration

**Definitions**

**bold** - Analyte detected above method detection limit

ND< - Not detected above the method detection limit

mg/kg - milligrams per kilogram

mg/L - milligrams per liter

ft. bgs - Feet below ground surface

-- - Not analyzed/not applicable

NE - Not established

ESLs - Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, July 2019, Revision 2

Construction Worker ESLs - Any Land Use/Any Depth Soil Exposure - Direct Exposure Human Health Risk Levels (Table S-1), Cancer Risk or Non-Cancer Hazard (lower value selected)

Commercial/Industrial ESLs - Commercial/Industrial: Shallow Soil Exposure - Direct Exposure Human Health Risk Levels (Table S-1), Cancer Risk or Non-Cancer Hazard (lower value selected)

Background Concentration - Kearney Foundation, Background Concentrations of Trace and Major Elements in California Soils, University of California, 1996


Soil samples analyzed by Enthalpy Analytical


**Analysis:**

Metals by EPA Method EPA 6010B/7471A

Table 2: Soil Matrix Analytical Results - OCPs

Sample ID	Sample Depth (ft. bgs)	Sample Date	4,4'-DDD	4,4'-DDE	4,4'-DDT	Other OCPs
			mg/kg			
<b>Rincon Results</b>						
SB-1-0.5	0.5	5/9/2023	ND<0.005	<b>0.12</b>	<b>0.021</b>	<various
SB-1-2	2		<b>0.026</b>	<b>0.65</b>	<b>0.15</b>	<various
SB-2-0.5	0.5		ND<0.0049	<b>0.077</b>	<b>0.0096</b>	<various
SB-2-2	2		<b>0.035</b>	<b>1.2</b> ND<0.20	<b>0.12</b>	<various
SB-3-0.5	0.5		--	--	--	<various
SB-3-2	2		--	--	--	<various
SB-4-0.5	0.5		--	--	--	<various
SB-4-2	2		--	--	--	<various
SB-5-0.5	0.5		ND<0.0049	<b>0.15</b>	<b>0.021</b>	<various
SB-5-2	2		ND<0.0049	<b>0.48</b>	<b>0.055</b>	<various
SB-6-0.5	0.5		ND<0.010	<b>0.12</b>	<b>0.013</b>	<various
SB-6-2	2		ND<0.005	<b>0.61</b>	<b>0.09</b>	<various
SB-7-0.5	0.5		ND<0.005	<b>0.055</b>	<b>0.012</b>	<various
SB-7-2	2		ND<0.005	<b>0.18</b>	<b>0.031</b>	<various
SB-8-0.5	0.5		ND<0.0099	ND<0.0099	ND<0.0099	<various
SB-8-2	2		<b>0.017</b>	<b>0.49</b>	<b>0.13</b>	<various
SB-9-0.5	0.5		ND<0.005	<b>0.11</b>	<b>0.021</b>	<various
SB-9-2	2		ND<0.005	<b>0.011</b>	ND<0.005	<various
SB-10-0.5	0.5		ND<0.0098	ND<0.0098	ND<0.0098	<various
SB-10-2	2		<b>0.019</b>	<b>0.67</b>	<b>0.16</b>	<various
<i>Commercial/Industrial ESLs</i>			<b>12</b>	<b>8.3</b>	<b>8.5</b>	<i>various</i>
<i>Construction Worker ESLs</i>			<b>81</b>	<b>57</b>	<b>57</b>	<i>various</i>
<i>TTLc</i>			<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<i>various</i>

**Notes****bold** - Analyte detected above method detection limit
 - Concentrations detected above Construction Worker ESLs

 - Concentrations detected above Commercial/Industrial ESLs

 - Concentration detected above the TTLc

ND&lt; - Not detected above the method detection limit

OCP -Organochlorine pesticide

4,4'-DDD - Dichlorodiphenyldichloroethane

4,4'-DDE - Dichlorodiphenyldichloroethylene

4,4'-DDT - Dichlorodiphenyltrichloroethane

TTLc - Total Threshold Limit Concentration (California Code of Regulations, Title 22, Division 4.5, Chapter 11, Article 3, Section 66261.24)

mg/kg - milligrams per kilogram

ft. bgs - Feet below ground surface

-- - Not analyzed/not applicable

NE - Not established

ESLs - Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, July 2019, Revision 2

Construction Worker ESLs - Any Land Use/Any Depth Soil Exposure - Direct Exposure Human Health Risk Levels (Table S-1), Cancer Risk or Non-Cancer Hazard (lower value selected)

Commercial/Industrial ESLs - Commercial/Industrial: Shallow Soil Exposure - Direct Exposure Human Health Risk Levels (Table S-1), Cancer Risk or Non-Cancer Hazard (lower value selected)

Soil samples analyzed by Enthalpy Analytical

**Analysis:**

Organochlorine Pesticides by EPA Method 8081A



# **Attachment 1**

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Boring Log



# **Attachment 2**

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Soil Matrix Laboratory Analytical Report



**ENTHALPY**  
ANALYTICAL

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

enthalpy.com

Lab Job Number: 484918  
Report Level: II  
Report Date: 05/18/2023

**Analytical Report** *prepared for:*

Jennifer Seitz  
Rincon Consultants, Inc.  
2215 Faraday Avenue  
Suite A  
Carlsbad, CA 92008

Location: Via Oro

*Authorized for release by:*

Ranjit K Clarke, Client Services Manager  
(714) 771-9906  
[Ranjit.Clarke@enthalpy.com](mailto:Ranjit.Clarke@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

Jennifer Seitz  
Rincon Consultants, Inc.  
2215 Faraday Avenue  
Suite A  
Carlsbad, CA 92008

Lab Job #: 484918  
Location: Via Oro  
Date Received: 05/10/23

Sample ID	Lab ID	Collected	Matrix
SB-1-0.5	484918-001	05/09/23 08:54	Soil
SB-1-2	484918-002	05/09/23 09:00	Soil
SB-2-0.5	484918-003	05/09/23 09:19	Soil
SB-2-2	484918-004	05/09/23 09:22	Soil
SB-3-0.5	484918-005	05/09/23 09:51	Soil
SB-3-2	484918-006	05/09/23 09:53	Soil
SB-4-0.5	484918-007	05/09/23 09:40	Soil
SB-4-2	484918-008	05/09/23 09:44	Soil
SB-5-0.5	484918-009	05/09/23 11:19	Soil
SB-5-2	484918-010	05/09/23 11:23	Soil
SB-6-0.5	484918-011	05/09/23 11:35	Soil
SB-6-2	484918-012	05/09/23 11:39	Soil
SB-7-0.5	484918-013	05/09/23 10:15	Soil
SB-7-2	484918-014	05/09/23 10:18	Soil
SB-8-0.5	484918-015	05/09/23 10:32	Soil
SB-8-2	484918-016	05/09/23 10:35	Soil
SB-9-0.5	484918-017	05/09/23 11:04	Soil
SB-9-2	484918-018	05/09/23 11:07	Soil
SB-10-0.5	484918-019	05/09/23 10:47	Soil
SB-10-2	484918-020	05/09/23 10:50	Soil

## Case Narrative

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Rincon Consultants, Inc.  
2215 Faraday Avenue  
Suite A  
Carlsbad, CA 92008  
Jennifer Seitz

Lab Job Number: 484918  
Location: Via Oro  
Date Received: 05/10/23

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This data package contains sample and QC results for twenty soil samples, requested for the above referenced project on 05/10/23. The samples were received cold and intact.

### **TPH-Extractables by GC (EPA 8015M):**

No analytical problems were encountered.

### **Pesticides (EPA 8081A):**

- High recovery was observed for 4,4'-DDE in the MSD of SB-1-0.5 (lab # 484918-001); the LCS was within limits, and the associated RPD was within limits.
- SB-6-0.5 (lab # 484918-011), SB-8-0.5 (lab # 484918-015), and SB-10-0.5 (lab # 484918-019) were diluted due to the color of the sample extracts.
- No other analytical problems were encountered.

### **Metals (EPA 6020 and EPA 7471A):**

- Low recoveries were observed for antimony in the MS/MSD of SB-1-0.5 (lab # 484918-001); the LCS was within limits, and the associated RPD was within limits. High recoveries were observed for barium and lead in the MS of SB-1-0.5 (lab # 484918-001); the LCS was within limits. High RPD was observed for lead in the MS/MSD of SB-1-0.5 (lab # 484918-001).
- No other analytical problems were encountered.

# ENTHALPY ANALYTICAL

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

## Chain of Custody Record

Lab No: **489 918**  
 Page: **1** of **2**

## Turn Around Time (rush by advanced notice only)

Standard: **X**  
 5 Day: **.**  
 1 Day: **.**  
 3 Day: **.**  
 Custom TAT: **.**

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

## Sample Receipt Temp:

Preservatives:  
 1 = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 2 = HCl 3 = HNO<sub>3</sub>  
 4 = H<sub>2</sub>SO<sub>4</sub> 5 = NaOH 6 = Other

## PROJECT INFORMATION

Company: Rincon Consultants, Inc.  
 Report To: Jennifer Seitz  
 Email: jseitz@rinconconsultants.com  
 Address: 2215 Faraday Avenue, Suite A  
 Carlsbad, CA 92008  
 Phone: 858-768-2460  
 Fax:   
 Name: **Via Oro**  
 Number: **22-13404**  
 P.O. #: **"**  
 Address: **4000 Via Oro Avenue**  
**Long Beach, CA**  
 Global ID:   
 Sampled By: **Michael Girod**

## Analysis Request

**CAM17 Metals 6020/1973**  
**Organochlorine pesticides 8081A**  
**TPH-g-d-o 8015M**

## Test Instructions / Comments

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
SB-1-0.5	5/19/23	0854	S	1 8oz jar	-
SB-1-2		0900			-
SB-2-0.5		0919			-
SB-2-2		0922			-
SB-3-0.5		0951			-
SB-3-2		0953			-
SB-4-0.5		0940			-
SB-4-2		0944			-
SB-5-0.5		1119			-
SB-5-2		1123			-

Company / Title	Print Name	Date / Time
Rincon / Geologist	Mike Girod	5/10/23 1236
SA NH	Jim Car	5/10/23 1236
SA-NH	Jim Car	5/10/23 1330
SA	Sergis Pirch	5/10/23 1330
SA	Sergis Pirch	5/10/23 1535
SA	Annastasia Smalukomb	5/10/23 1535

# ENTHALPY ANALYTICAL

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

Chain of Custody Record  
 Lab No: **484918**  
 Page: **2** of **2**

Turn Around Time (rush by advanced notice only)  
 Standard: **X**  
 5 Day:  3 Day:   
 1 Day:  Custom-TAT:

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

Preservatives:  
 1 = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 2 = HCl 3 = HNO<sub>3</sub>  
 4 = H<sub>2</sub>SO<sub>4</sub> 5 = NaOH 6 = Other

Sample Receipt Temp:  
 (lab use only)

### PROJECT INFORMATION

Company: Rincon Consultants, Inc.  
 Report To: Jennifer Seitz  
 Email: [jseitz@rinconconsultants.com](mailto:jseitz@rinconconsultants.com)  
 Address: 2215 Faraday Avenue, Suite A  
 Carlsbad, CA 92008  
 Phone: 858-768-2460  
 Fax:   
 Name: Via Oro  
 Number: 22-13404  
 P.O. #:   
 Address: 4000 Via Oro Avenue  
 Long Beach, CA  
 Global ID:   
 Sampled By: Michael Girod

### CUSTOMER INFORMATION

Analysis Request  
 Test Instructions / Comments

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 SB-6-0.5	5/9/23	1135	S	18oz jar	-
2 SB-6-2		1139			-
3 SB-7-0.5		1015			-
4 SB-7-2		1018			-
5 SB-8-0.5		1032			-
6 SB-8-2		1035			-
7 SB-9-0.5		1104			-
8 SB-9-2		1107			-
9 SB-10-0.5		1047			-
10 SB-10-2		1050			-

Analysis Request  
 Test Instructions / Comments

Signature	Print Name	Company / Title	Date / Time
<i>[Signature]</i>	Mike Girard	Rincon Geologist	5/10/23 1236
<i>[Signature]</i>	Jim Con	EA-NH	5/10/23 1238
<i>[Signature]</i>	Jim Con	EA-NH	5/10/23 1320
<i>[Signature]</i>	Sergis Riche	EA	5/10/23 1330
<i>[Signature]</i>	Sergis Riche	EA	5/10/23 1535
<i>[Signature]</i>	Annaleson Samikond	EA	5/10/23 1535



# ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

**Section 1**  
 Client: Rincon Consultants Inc Project: Via Oro  
 Date Received: 5/10/23 Sampler's Name Present:  Yes  No

**Section 2**  
 Sample(s) received in a cooler?  Yes, How many? 1  No (skip section 2) Sample Temp (°C) (No Cooler): \_\_\_\_\_  
 Sample Temp (°C), One from each cooler: #1: 4.8 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_  
 (Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)  
 Shipping Information: \_\_\_\_\_

**Section 3**  
 Was the cooler packed with:  Ice  Ice Packs  Bubble Wrap  Styrofoam  
 Paper  None  Other \_\_\_\_\_  
 Cooler Temp (°C): #1: 3.1 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

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

**Section 5** Explanations/Comments

**Section 6**  
 For discrepancies, how was the Project Manager notified?  Verbal PM Initials: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_  
 Project Manager's response: \_\_\_\_\_

Completed By: [Signature] Date: 5/10/23

## Analysis Results for 484918

Jennifer Seitz  
 Rincon Consultants, Inc.  
 2215 Faraday Avenue  
 Suite A  
 Carlsbad, CA 92008

Lab Job #: 484918  
 Location: Via Oro  
 Date Received: 05/10/23

**Sample ID: SB-1-0.5      Lab ID: 484918-001      Collected: 05/09/23 08:54**  
**Matrix: Soil**

484918-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Arsenic	<b>7.0</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	<b>150</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	<b>26</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	<b>11</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	<b>31</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Lead	<b>15</b>		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	<b>23</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	<b>46</b>		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	<b>78</b>		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/11/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
beta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
gamma-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
delta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Heptachlor	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Aldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endosulfan I	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Dieldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
4,4'-DDE	<b>120</b>		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endosulfan II	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW

### Analysis Results for 484918

484918-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDD	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endrin ketone	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
4,4'-DDT	<b>21</b>		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	TJW
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	TJW
Chlordane (Technical)	ND		ug/Kg	50	0.99	313954	05/15/23	05/15/23	TJW
<b>Surrogates</b>				<b>Limits</b>					
TCMX	64%		%REC	23-120	0.99	313954	05/15/23	05/15/23	TJW
Decachlorobiphenyl	69%		%REC	24-120	0.99	313954	05/15/23	05/15/23	TJW

## Analysis Results for 484918

**Sample ID: SB-1-2**

**Lab ID: 484918-002**

**Collected: 05/09/23 09:00**

**Matrix: Soil**

484918-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	1.3		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	7.5		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	180		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	32		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	12		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Copper	32		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	16		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	24		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	52		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	85		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/11/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDE	650		ug/Kg	50	10	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDD	26		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDT	150		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	10	1	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	100	1	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	75%		%REC	23-120	1	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	82%		%REC	24-120	1	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

<b>Sample ID: SB-2-0.5</b>	<b>Lab ID: 484918-003</b>	<b>Collected: 05/09/23 09:19</b>
	<b>Matrix: Soil</b>	

484918-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	<b>6.5</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	<b>130</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	<b>27</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	<b>9.1</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Copper	<b>23</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	<b>14</b>		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	<b>22</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	<b>48</b>		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	<b>75</b>		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	<b>77</b>		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	<b>9.6</b>		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	49	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>			<b>Limits</b>						
TCMX	78%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	89%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

<b>Sample ID: SB-2-2</b>	<b>Lab ID: 484918-004</b>	<b>Collected: 05/09/23 09:22</b>
<b>Matrix: Soil</b>		

484918-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	1.0	1	313793	05/11/23	05/13/23	JCP
Arsenic	7.6		mg/Kg	1.0	1	313793	05/11/23	05/12/23	JCP
Barium	190		mg/Kg	1.0	1	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	1.0	1	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.50	1	313793	05/11/23	05/12/23	JCP
Chromium	31		mg/Kg	1.0	1	313793	05/11/23	05/12/23	JCP
Cobalt	12		mg/Kg	1.0	1	313793	05/11/23	05/15/23	JCP
Copper	32		mg/Kg	1.0	1	313793	05/11/23	05/15/23	JCP
Lead	18		mg/Kg	0.50	1	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	1.0	1	313793	05/11/23	05/12/23	JCP
Nickel	26		mg/Kg	1.0	1	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	1	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.50	1	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	1.0	1	313793	05/11/23	05/12/23	JCP
Vanadium	57		mg/Kg	2.0	1	313793	05/11/23	05/12/23	JCP
Zinc	99		mg/Kg	5.0	1	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
4,4'-DDE	1,200		ug/Kg	490	98	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
4,4'-DDD	35		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
4,4'-DDT	120		ug/Kg	4.9	0.98	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.8	0.98	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	98	0.98	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	49	0.98	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	83%		%REC	23-120	0.98	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	106%		%REC	24-120	0.98	313954	05/15/23	05/15/23	MES

**Sample ID: SB-3-0.5**

**Lab ID: 484918-005**

**Collected: 05/09/23 09:51**

**Matrix: Soil**

484918-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C6-C10	ND		mg/Kg	10	1	313934	05/14/23	05/15/23	BJG
DRO C10-C28	ND		mg/Kg	10	1	313934	05/14/23	05/15/23	BJG
ORO C28-C44	ND		mg/Kg	10	1	313934	05/14/23	05/15/23	BJG
<b>Surrogates</b>				<b>Limits</b>					
n-Triacontane	81%		%REC	70-130	1	313934	05/14/23	05/15/23	BJG

**Sample ID: SB-3-2**

**Lab ID: 484918-006**

**Collected: 05/09/23 09:53**

**Matrix: Soil**

484918-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C6-C10	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
DRO C10-C28	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
ORO C28-C44	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
<b>Surrogates</b>				<b>Limits</b>					
n-Triacontane	82%		%REC	70-130	0.99	313934	05/14/23	05/15/23	BJG

**Sample ID: SB-4-0.5**

**Lab ID: 484918-007**

**Collected: 05/09/23 09:40**

**Matrix: Soil**

484918-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C6-C10	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
DRO C10-C28	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
ORO C28-C44	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
<b>Surrogates</b>				<b>Limits</b>					
n-Triacontane	77%		%REC	70-130	0.99	313934	05/14/23	05/15/23	BJG

## Analysis Results for 484918

<b>Sample ID:</b> SB-4-2	<b>Lab ID:</b> 484918-008	<b>Collected:</b> 05/09/23 09:44
<b>Matrix:</b> Soil		

484918-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015M									
Prep Method: EPA 3580M									
GRO C6-C10	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
DRO C10-C28	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
ORO C28-C44	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
<b>Surrogates</b>	<b>Limits</b>								
n-Triacontane	80%		%REC	70-130	0.99	313934	05/14/23	05/15/23	BJG

## Analysis Results for 484918

<b>Sample ID: SB-5-0.5</b>	<b>Lab ID: 484918-009</b>	<b>Collected: 05/09/23 11:19</b>
	<b>Matrix: Soil</b>	

484918-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	<b>6.5</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	<b>150</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	<b>26</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	<b>10</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Copper	<b>26</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	<b>18</b>		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	<b>22</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	<b>49</b>		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	<b>71</b>		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	<b>150</b>		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	<b>21</b>		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	49	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>			<b>Limits</b>						
TCMX	60%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	64%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

Sample ID: SB-5-2

Lab ID: 484918-010

Collected: 05/09/23 11:23

Matrix: Soil

484918-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	7.2		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	190		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	29		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	12		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Copper	30		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	17		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	26		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	55		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	90		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	480		ug/Kg	49	9.9	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	55		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	49	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	55%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	65%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-6-0.5**
**Lab ID: 484918-011**
**Collected: 05/09/23 11:35**
**Matrix: Soil**

484918-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	7.6		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	140		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	26		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	9.4		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Copper	24		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	11		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	21		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	45		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	68		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
4,4'-DDE	120		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
4,4'-DDT	13		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	20	2	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	200	2	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	100	2	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	72%		%REC	23-120	2	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	79%		%REC	24-120	2	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-6-2**

**Lab ID: 484918-012**

**Collected: 05/09/23 11:39**

**Matrix: Soil**

484918-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.99	0.99	313793	05/11/23	05/13/23	JCP
Arsenic	7.0		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Barium	190		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.99	0.99	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.50	0.99	313793	05/11/23	05/12/23	JCP
Chromium	28		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Cobalt	12		mg/Kg	0.99	0.99	313793	05/11/23	05/15/23	JCP
Copper	30		mg/Kg	0.99	0.99	313793	05/11/23	05/15/23	JCP
Lead	20		mg/Kg	0.50	0.99	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Nickel	24		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.99	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.50	0.99	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Vanadium	55		mg/Kg	2.0	0.99	313793	05/11/23	05/12/23	JCP
Zinc	88		mg/Kg	5.0	0.99	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDE	610		ug/Kg	50	10	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDT	90		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	10	1	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	100	1	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	78%		%REC	23-120	1	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	90%		%REC	24-120	1	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-7-0.5**
**Lab ID: 484918-013**
**Collected: 05/09/23 10:15**
**Matrix: Soil**

484918-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	5.7		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	110		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	23		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	9.0		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	21		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	14		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	18		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	39		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	66		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDE	55		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDT	12		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	10	1	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	100	1	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	47%		%REC	23-120	1	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	56%		%REC	24-120	1	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

Sample ID: SB-7-2

Lab ID: 484918-014

Collected: 05/09/23 10:18

Matrix: Soil

484918-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	6.8		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	160		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	28		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	12		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	27		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	19		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	23		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	50		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	80		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	180		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	31		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>			<b>Limits</b>						
TCMX	61%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	69%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-8-0.5**
**Lab ID: 484918-015**
**Collected: 05/09/23 10:32**
**Matrix: Soil**

484918-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	4.5		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	90		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	26		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	9.6		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Copper	16		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	13		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	19		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	40		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	54		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
4,4'-DDE	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
4,4'-DDT	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	20	2	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	200	2	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	99	2	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	57%		%REC	23-120	2	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	72%		%REC	24-120	2	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

Sample ID: SB-8-2

Lab ID: 484918-016

Collected: 05/09/23 10:35

Matrix: Soil

484918-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	6.5		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	150		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	25		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	12		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	27		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	13		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	21		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	49		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	71		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	490		ug/Kg	50	9.9	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	17		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	130		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>			<b>Limits</b>						
TCMX	49%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	64%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-9-0.5**
**Lab ID: 484918-017**
**Collected: 05/09/23 11:04**
**Matrix: Soil**

484918-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	<b>6.6</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	<b>160</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	<b>24</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	<b>11</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	<b>27</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	<b>22</b>		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	<b>21</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	<b>47</b>		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	<b>85</b>		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDE	<b>110</b>		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDT	<b>21</b>		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	10	1	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	100	1	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	54%		%REC	23-120	1	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	68%		%REC	24-120	1	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-9-2**

**Lab ID: 484918-018**

**Collected: 05/09/23 11:07**

**Matrix: Soil**

484918-018 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	4.7		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	160		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	27		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	11		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Copper	28		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	9.0		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	21		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	49		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	63		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	11		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-018 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>			<b>Limits</b>						
TCMX	53%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	61%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-10-0.5**

**Lab ID: 484918-019**

**Collected: 05/09/23 10:47**

**Matrix: Soil**

484918-019 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	7.6		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	100		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	24		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	9.2		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	19		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	15		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	1.1		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	20		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	43		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	59		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
4,4'-DDE	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
4,4'-DDT	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	20	2	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	200	2	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-019 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	98	2	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	58%		%REC	23-120	2	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	82%		%REC	24-120	2	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

<b>Sample ID:</b> SB-10-2	<b>Lab ID:</b> 484918-020	<b>Collected:</b> 05/09/23 10:50
<b>Matrix:</b> Soil		

484918-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	7.4		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	180		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	31		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	13		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Copper	29		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	18		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	26		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	57		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	89		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.2	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDE	670		ug/Kg	50	10	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDD	19		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDT	160		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	10	1	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	100	1	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	60%		%REC	23-120	1	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	66%		%REC	24-120	1	313954	05/15/23	05/15/23	MES

ND Not Detected

## Batch QC

<b>Type: Blank</b>	<b>Lab ID: QC1065246</b>	<b>Batch: 313793</b>
<b>Matrix: Soil</b>	<b>Method: EPA 6020</b>	<b>Prep Method: EPA 3050B</b>

QC1065246 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	1.0	05/11/23	05/15/23
Arsenic	ND		mg/Kg	1.0	05/11/23	05/12/23
Barium	ND		mg/Kg	1.0	05/11/23	05/12/23
Beryllium	ND		mg/Kg	1.0	05/11/23	05/15/23
Cadmium	ND		mg/Kg	0.50	05/11/23	05/12/23
Chromium	ND		mg/Kg	1.0	05/11/23	05/12/23
Cobalt	ND		mg/Kg	1.0	05/11/23	05/12/23
Copper	ND		mg/Kg	1.0	05/11/23	05/12/23
Lead	ND		mg/Kg	0.50	05/11/23	05/12/23
Molybdenum	ND		mg/Kg	1.0	05/11/23	05/12/23
Nickel	ND		mg/Kg	1.0	05/11/23	05/12/23
Selenium	ND		mg/Kg	2.0	05/11/23	05/12/23
Silver	ND		mg/Kg	0.50	05/11/23	05/12/23
Thallium	ND		mg/Kg	1.0	05/11/23	05/12/23
Vanadium	ND		mg/Kg	2.0	05/11/23	05/12/23
Zinc	ND		mg/Kg	5.0	05/11/23	05/12/23

<b>Type: Lab Control Sample</b>	<b>Lab ID: QC1065247</b>	<b>Batch: 313793</b>
<b>Matrix: Soil</b>	<b>Method: EPA 6020</b>	<b>Prep Method: EPA 3050B</b>

QC1065247 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	114.2	100.0	mg/Kg	114%		80-120
Arsenic	113.2	100.0	mg/Kg	113%		80-120
Barium	106.9	100.0	mg/Kg	107%		80-120
Beryllium	88.56	100.0	mg/Kg	89%		80-120
Cadmium	108.0	100.0	mg/Kg	108%		80-120
Chromium	109.9	100.0	mg/Kg	110%		80-120
Cobalt	119.6	100.0	mg/Kg	120%		80-120
Copper	116.8	100.0	mg/Kg	117%		80-120
Lead	106.3	100.0	mg/Kg	106%		80-120
Molybdenum	101.9	100.0	mg/Kg	102%		80-120
Nickel	116.0	100.0	mg/Kg	116%		80-120
Selenium	109.7	100.0	mg/Kg	110%		80-120
Silver	53.16	50.00	mg/Kg	106%		80-120
Thallium	105.2	100.0	mg/Kg	105%		80-120
Vanadium	108.8	100.0	mg/Kg	109%		80-120
Zinc	105.7	100.0	mg/Kg	106%		80-120

## Batch QC

<b>Type: Matrix Spike</b>	<b>Lab ID: QC1065248</b>	<b>Batch: 313793</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 6020</b>	<b>Prep Method: EPA 3050B</b>

QC1065248 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	30.08	0.8602	100.0	mg/Kg	29%	*	75-125	1
Arsenic	119.8	6.963	100.0	mg/Kg	113%		75-125	1
Barium	279.9	154.2	100.0	mg/Kg	126%	*	75-125	1
Beryllium	89.54	0.3903	100.0	mg/Kg	89%		75-125	1
Cadmium	107.7	ND	100.0	mg/Kg	108%		75-125	1
Chromium	134.0	25.76	100.0	mg/Kg	108%		75-125	1
Cobalt	125.5	11.46	100.0	mg/Kg	114%		75-125	1
Copper	142.3	30.58	100.0	mg/Kg	112%		75-125	1
Lead	157.8	15.04	100.0	mg/Kg	143%	*	75-125	1
Molybdenum	92.21	0.6663	100.0	mg/Kg	92%		75-125	1
Nickel	137.3	23.17	100.0	mg/Kg	114%		75-125	1
Selenium	109.5	ND	100.0	mg/Kg	110%		75-125	1
Silver	52.07	ND	50.00	mg/Kg	104%		75-125	1
Thallium	102.4	ND	100.0	mg/Kg	102%		75-125	1
Vanadium	155.0	46.32	100.0	mg/Kg	109%		75-125	1
Zinc	181.1	78.19	100.0	mg/Kg	103%		75-125	1

<b>Type: Matrix Spike Duplicate</b>	<b>Lab ID: QC1065249</b>	<b>Batch: 313793</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 6020</b>	<b>Prep Method: EPA 3050B</b>

QC1065249 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Antimony	26.65	0.8602	96.15	mg/Kg	27%	*	75-125	8	20	0.96
Arsenic	114.2	6.963	96.15	mg/Kg	112%		75-125	1	20	0.96
Barium	257.6	154.2	96.15	mg/Kg	108%		75-125	7	20	0.96
Beryllium	87.97	0.3903	96.15	mg/Kg	91%		75-125	2	20	0.96
Cadmium	103.9	ND	96.15	mg/Kg	108%		75-125	0	20	0.96
Chromium	130.2	25.76	96.15	mg/Kg	109%		75-125	0	20	0.96
Cobalt	122.9	11.46	96.15	mg/Kg	116%		75-125	1	20	0.96
Copper	134.5	30.58	96.15	mg/Kg	108%		75-125	3	20	0.96
Lead	113.3	15.04	96.15	mg/Kg	102%		75-125	30*	20	0.96
Molybdenum	90.64	0.6663	96.15	mg/Kg	94%		75-125	2	20	0.96
Nickel	130.0	23.17	96.15	mg/Kg	111%		75-125	2	20	0.96
Selenium	104.6	ND	96.15	mg/Kg	109%		75-125	1	20	0.96
Silver	49.29	ND	48.08	mg/Kg	103%		75-125	2	20	0.96
Thallium	100.2	ND	96.15	mg/Kg	104%		75-125	2	20	0.96
Vanadium	150.7	46.32	96.15	mg/Kg	109%		75-125	0	20	0.96
Zinc	171.8	78.19	96.15	mg/Kg	97%		75-125	3	20	0.96

## Batch QC

<b>Type: Blank</b>	<b>Lab ID: QC1065224</b>	<b>Batch: 313781</b>
<b>Matrix: Soil</b>	<b>Method: EPA 7471A</b>	<b>Prep Method: METHOD</b>

QC1065224 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	05/11/23	05/11/23

<b>Type: Lab Control Sample</b>	<b>Lab ID: QC1065225</b>	<b>Batch: 313781</b>
<b>Matrix: Soil</b>	<b>Method: EPA 7471A</b>	<b>Prep Method: METHOD</b>

QC1065225 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8172	0.8333	mg/Kg	98%		80-120

<b>Type: Matrix Spike</b>	<b>Lab ID: QC1065226</b>	<b>Batch: 313781</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 7471A</b>	<b>Prep Method: METHOD</b>

QC1065226 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9227	0.05183	0.8621	mg/Kg	101%		75-125	1

<b>Type: Matrix Spike Duplicate</b>	<b>Lab ID: QC1065227</b>	<b>Batch: 313781</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 7471A</b>	<b>Prep Method: METHOD</b>

QC1065227 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Mercury	1.040	0.05183	1.000	mg/Kg	99%		75-125	2	20	1.2

<b>Type: Blank</b>	<b>Lab ID: QC1065757</b>	<b>Batch: 313934</b>
<b>Matrix: Soil</b>	<b>Method: EPA 8015M</b>	<b>Prep Method: EPA 3580M</b>

QC1065757 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
GRO C6-C10	ND		mg/Kg	10	05/14/23	05/15/23
DRO C10-C28	ND		mg/Kg	10	05/14/23	05/15/23
ORO C28-C44	ND		mg/Kg	10	05/14/23	05/15/23
<b>Surrogates</b>				<b>Limits</b>		
n-Triacontane	82%		%REC	70-130	05/14/23	05/15/23

<b>Type: Lab Control Sample</b>	<b>Lab ID: QC1065758</b>	<b>Batch: 313934</b>
<b>Matrix: Soil</b>	<b>Method: EPA 8015M</b>	<b>Prep Method: EPA 3580M</b>

QC1065758 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	248.4	249.0	mg/Kg	100%		76-122
<b>Surrogates</b>						
n-Triacontane	8.831	9.960	mg/Kg	89%		70-130

## Batch QC

<b>Type: Matrix Spike</b>	<b>Lab ID: QC1065759</b>	<b>Batch: 313934</b>
<b>Matrix (Source ID): Soil (484918-006)</b>	<b>Method: EPA 8015M</b>	<b>Prep Method: EPA 3580M</b>

QC1065759 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	232.2	3.743	248.3	mg/Kg	92%		62-126	0.99
<b>Surrogates</b>								
n-Triacontane	8.064		9.930	mg/Kg	81%		70-130	0.99

<b>Type: Matrix Spike Duplicate</b>	<b>Lab ID: QC1065760</b>	<b>Batch: 313934</b>
<b>Matrix (Source ID): Soil (484918-006)</b>	<b>Method: EPA 8015M</b>	<b>Prep Method: EPA 3580M</b>

QC1065760 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Diesel C10-C28	219.0	3.743	248.9	mg/Kg	86%		62-126	6	35	1
<b>Surrogates</b>										
n-Triacontane	7.779		9.955	mg/Kg	78%		70-130			1

## Batch QC

<b>Type: Blank</b>	<b>Lab ID: QC1065844</b>	<b>Batch: 313954</b>
<b>Matrix: Soil</b>	<b>Method: EPA 8081A</b>	<b>Prep Method: EPA 3546</b>

QC1065844 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	05/15/23	05/15/23
beta-BHC	ND		ug/Kg	5.0	05/15/23	05/15/23
gamma-BHC	ND		ug/Kg	5.0	05/15/23	05/15/23
delta-BHC	ND		ug/Kg	5.0	05/15/23	05/15/23
Heptachlor	ND		ug/Kg	5.0	05/15/23	05/15/23
Aldrin	ND		ug/Kg	5.0	05/15/23	05/15/23
Heptachlor epoxide	ND		ug/Kg	5.0	05/15/23	05/15/23
Endosulfan I	ND		ug/Kg	5.0	05/15/23	05/15/23
Dieldrin	ND		ug/Kg	5.0	05/15/23	05/15/23
4,4'-DDE	ND		ug/Kg	5.0	05/15/23	05/15/23
Endrin	ND		ug/Kg	5.0	05/15/23	05/15/23
Endosulfan II	ND		ug/Kg	5.0	05/15/23	05/15/23
Endosulfan sulfate	ND		ug/Kg	5.0	05/15/23	05/15/23
4,4'-DDD	ND		ug/Kg	5.0	05/15/23	05/15/23
Endrin aldehyde	ND		ug/Kg	5.0	05/15/23	05/15/23
Endrin ketone	ND		ug/Kg	5.0	05/15/23	05/15/23
4,4'-DDT	ND		ug/Kg	5.0	05/15/23	05/15/23
Methoxychlor	ND		ug/Kg	9.9	05/15/23	05/15/23
Toxaphene	ND		ug/Kg	99	05/15/23	05/15/23
Chlordane (Technical)	ND		ug/Kg	50	05/15/23	05/15/23
<b>Surrogates</b>				<b>Limits</b>		
TCMX	85%		%REC	23-120	05/15/23	05/15/23
Decachlorobiphenyl	90%		%REC	24-120	05/15/23	05/15/23

## Batch QC

<b>Type: Lab Control Sample</b>	<b>Lab ID: QC1065845</b>	<b>Batch: 313954</b>
<b>Matrix: Soil</b>	<b>Method: EPA 8081A</b>	<b>Prep Method: EPA 3546</b>

QC1065845 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	43.29	49.95	ug/Kg	87%		22-129
beta-BHC	41.86	49.95	ug/Kg	84%		28-125
gamma-BHC	42.94	49.95	ug/Kg	86%		22-128
delta-BHC	43.64	49.95	ug/Kg	87%		24-131
Heptachlor	44.56	49.95	ug/Kg	89%		18-124
Aldrin	33.95	49.95	ug/Kg	68%		23-120
Heptachlor epoxide	43.00	49.95	ug/Kg	86%		26-120
Endosulfan I	46.02	49.95	ug/Kg	92%		25-126
Dieldrin	43.66	49.95	ug/Kg	87%		23-124
4,4'-DDE	44.92	49.95	ug/Kg	90%		28-121
Endrin	46.22	49.95	ug/Kg	93%		25-127
Endosulfan II	45.28	49.95	ug/Kg	91%		29-121
Endosulfan sulfate	44.21	49.95	ug/Kg	89%		30-121
4,4'-DDD	49.11	49.95	ug/Kg	98%		26-120
Endrin aldehyde	32.55	49.95	ug/Kg	65%		10-120
Endrin ketone	43.07	49.95	ug/Kg	86%		28-125
4,4'-DDT	45.68	49.95	ug/Kg	91%		22-125
Methoxychlor	50.42	49.95	ug/Kg	101%		28-130
<b>Surrogates</b>						
TCMX	41.45	49.95	ug/Kg	83%		23-120
Decachlorobiphenyl	42.65	49.95	ug/Kg	85%		24-120

## Batch QC

<b>Type: Matrix Spike</b>	<b>Lab ID: QC1065846</b>	<b>Batch: 313954</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 8081A</b>	<b>Prep Method: EPA 3546</b>

QC1065846 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	36.54	ND	49.90	ug/Kg	73%		46-120	1
beta-BHC	36.32	ND	49.90	ug/Kg	73%		41-120	1
gamma-BHC	36.06	ND	49.90	ug/Kg	72%		41-120	1
delta-BHC	37.40	ND	49.90	ug/Kg	75%		38-123	1
Heptachlor	39.56	ND	49.90	ug/Kg	79%		39-120	1
Aldrin	34.34	ND	49.90	ug/Kg	69%		34-120	1
Heptachlor epoxide	37.25	ND	49.90	ug/Kg	75%		43-120	1
Endosulfan I	40.40	ND	49.90	ug/Kg	81%		45-120	1
Dieldrin	38.95	ND	49.90	ug/Kg	78%		45-120	1
4,4'-DDE	175.1	118.1	49.90	ug/Kg	114%		34-120	1
Endrin	39.62	ND	49.90	ug/Kg	79%		40-120	1
Endosulfan II	39.78	ND	49.90	ug/Kg	80%		41-120	1
Endosulfan sulfate	37.15	ND	49.90	ug/Kg	74%		42-120	1
4,4'-DDD	43.62	1.654	49.90	ug/Kg	84%		41-120	1
Endrin aldehyde	31.88	ND	49.90	ug/Kg	64%		30-120	1
Endrin ketone	37.47	ND	49.90	ug/Kg	75%		45-120	1
4,4'-DDT	64.55	20.75	49.90	ug/Kg	88%		35-127	1
Methoxychlor	46.28	ND	49.90	ug/Kg	93%		42-136	1
<b>Surrogates</b>								
TCMX	35.21		49.90	ug/Kg	71%		23-120	1
Decachlorobiphenyl	38.81		49.90	ug/Kg	78%		24-120	1

## Batch QC

<b>Type: Matrix Spike Duplicate</b>	<b>Lab ID: QC1065847</b>	<b>Batch: 313954</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 8081A</b>	<b>Prep Method: EPA 3546</b>

QC1065847 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	34.92	ND	49.41	ug/Kg	71%		46-120	4	30	0.99
beta-BHC	34.67	ND	49.41	ug/Kg	70%		41-120	4	30	0.99
gamma-BHC	34.72	ND	49.41	ug/Kg	70%		41-120	3	30	0.99
delta-BHC	35.61	ND	49.41	ug/Kg	72%		38-123	4	30	0.99
Heptachlor	38.96	ND	49.41	ug/Kg	79%		39-120	1	30	0.99
Aldrin	33.32	ND	49.41	ug/Kg	67%		34-120	2	30	0.99
Heptachlor epoxide	36.02	ND	49.41	ug/Kg	73%		43-120	2	30	0.99
Endosulfan I	38.83	ND	49.41	ug/Kg	79%		45-120	3	30	0.99
Dieldrin	37.87	ND	49.41	ug/Kg	77%		45-120	2	30	0.99
4,4'-DDE	189.9	118.1	49.41	ug/Kg	145%	*	34-120	8	30	0.99
Endrin	37.95	ND	49.41	ug/Kg	77%		40-120	3	30	0.99
Endosulfan II	37.37	ND	49.41	ug/Kg	76%		41-120	5	30	0.99
Endosulfan sulfate	34.19	ND	49.41	ug/Kg	69%		42-120	7	30	0.99
4,4'-DDD	39.93	1.654	49.41	ug/Kg	77%		41-120	8	30	0.99
Endrin aldehyde	30.59	ND	49.41	ug/Kg	62%		30-120	3	30	0.99
Endrin ketone	33.66	ND	49.41	ug/Kg	68%		45-120	10	30	0.99
4,4'-DDT	64.02	20.75	49.41	ug/Kg	88%		35-127	0	30	0.99
Methoxychlor	44.02	ND	49.41	ug/Kg	89%		42-136	4	30	0.99
<b>Surrogates</b>										
TCMX	34.31		49.41	ug/Kg	69%		23-120			0.99
Decachlorobiphenyl	36.20		49.41	ug/Kg	73%		24-120			0.99

\* Value is outside QC limits

ND Not Detected



**ENTHALPY**  
ANALYTICAL

Enthalpy Analytical  
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enthalpy.com

Lab Job Number: 484918  
Report Level: II  
Report Date: 06/07/2023

**Analytical Report** *prepared for:*

Jennifer Seitz  
Rincon Consultants, Inc.  
2215 Faraday Avenue  
Suite A  
Carlsbad, CA 92008

Location: Via Oro - Supplemental Report 1

*Authorized for release by:*

Ranjit K Clarke, Client Services Manager  
(714) 771-9906  
[Ranjit.Clarke@enthalpy.com](mailto:Ranjit.Clarke@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

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Jennifer Seitz Rincon Consultants, Inc. 2215 Faraday Avenue Suite A Carlsbad, CA 92008	Lab Job #: 484918 Location: Via Oro - Supplemental Report 1 Date Received: 05/10/23
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Sample ID	Lab ID	Collected	Matrix
SB-1-0.5	484918-001	05/09/23 08:54	Soil
SB-1-2	484918-002	05/09/23 09:00	Soil
SB-2-0.5	484918-003	05/09/23 09:19	Soil
SB-2-2	484918-004	05/09/23 09:22	Soil
SB-3-0.5	484918-005	05/09/23 09:51	Soil
SB-3-2	484918-006	05/09/23 09:53	Soil
SB-4-0.5	484918-007	05/09/23 09:40	Soil
SB-4-2	484918-008	05/09/23 09:44	Soil
SB-5-0.5	484918-009	05/09/23 11:19	Soil
SB-5-2	484918-010	05/09/23 11:23	Soil
SB-6-0.5	484918-011	05/09/23 11:35	Soil
SB-6-2	484918-012	05/09/23 11:39	Soil
SB-7-0.5	484918-013	05/09/23 10:15	Soil
SB-7-2	484918-014	05/09/23 10:18	Soil
SB-8-0.5	484918-015	05/09/23 10:32	Soil
SB-8-2	484918-016	05/09/23 10:35	Soil
SB-9-0.5	484918-017	05/09/23 11:04	Soil
SB-9-2	484918-018	05/09/23 11:07	Soil
SB-10-0.5	484918-019	05/09/23 10:47	Soil
SB-10-2	484918-020	05/09/23 10:50	Soil

## Case Narrative

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Rincon Consultants, Inc.  
2215 Faraday Avenue  
Suite A  
Carlsbad, CA 92008  
Jennifer Seitz

Lab Job Number: 484918

Location: Via Oro - Supplemental Report 1

Date Received: 05/10/23

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- This data package contains sample and QC results for twenty soil samples, requested for the above referenced project on 05/10/23. The samples were received cold and intact.
- Supplemental Report 1 - STLC 4,4-DDE is now reported for sample SB-2-2.

### **TPH-Extractables by GC (EPA 8015M):**

No analytical problems were encountered.

### **Pesticides (EPA 8081A) Soil:**

- High recovery was observed for 4,4'-DDE in the MSD of SB-1-0.5 (lab # 484918-001); the LCS was within limits, and the associated RPD was within limits.
- SB-6-0.5 (lab # 484918-011), SB-8-0.5 (lab # 484918-015), and SB-10-0.5 (lab # 484918-019) were diluted due to the color of the sample extracts.
- No other analytical problems were encountered.

### **Pesticides (EPA 8081A) WET Leachate:**

No analytical problems were encountered.

### **Metals (EPA 6020 and EPA 7471A):**

- Low recoveries were observed for antimony in the MS/MSD of SB-1-0.5 (lab # 484918-001); the LCS was within limits, and the associated RPD was within limits. High recoveries were observed for barium and lead in the MS of SB-1-0.5 (lab # 484918-001); the LCS was within limits. High RPD was observed for lead in the MS/MSD of SB-1-0.5 (lab # 484918-001).
- No other analytical problems were encountered.

# ENTHALPY ANALYTICAL

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

## Chain of Custody Record

Lab No: **489 918**  
 Page: **1** of **2**

## Turn Around Time (rush by advanced notice only)

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

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

Preservatives:  
 1 = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 2 = HCl 3 = HNO<sub>3</sub>  
 4 = H<sub>2</sub>SO<sub>4</sub> 5 = NaOH 6 = Other  
 Sample Receipt Temp:

### PROJECT INFORMATION

Company: Rincon Consultants, Inc.  
 Report To: Jennifer Seitz  
 Email: jseitz@rinconconsultants.com  
 Address: 2215 Faraday Avenue, Suite A  
 Carlsbad, CA 92008  
 Phone: 858-768-2460  
 Fax:   
 Name: **Via Oro**  
 Number: **22-13404**  
 P.O. #: "  
 Address: **4000 Via Oro Avenue**  
**Long Beach, CA**  
 Global ID:  
 Sampled By: **Michael Girod**

### Analysis Request

Analysis Request  
 CAM17 Metals 6020/1973  
 Organochlorine pesticides 8081A  
 TPH-g-d-o 8015M  
 Test Instructions / Comments

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
SB-1-0.5	5/19/23	0854	S	1 8oz jar	-
SB-1-2		0900			-
SB-2-0.5		0919			-
SB-2-2		0922			-
SB-3-0.5		0951			-
SB-3-2		0953			-
SB-4-0.5		0940			-
SB-4-2		0944			-
SB-5-0.5		1119			-
SB-5-2		1123			-

Company / Title	Print Name	Date / Time
Rincon / Geologist	Mike Girod	5/10/23 1236
SA NH	Jim Car	5/10/23 1236
SA-NH	Jim Car	5/10/23 1236
GA	Sergis Pireh	5/10/23 1330
GA	Sergis Pireh	5/10/23 1330
BA	Armenia Smalukomb	5/10/23 1535
BA	Armenia Smalukomb	5/10/23 1535

# ENTHALPY ANALYTICAL

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

Chain of Custody Record  
 Lab No: **484918**  
 Page: **2** of **2**

Turn Around Time (rush by advanced notice only)  
 Standard: **X**  
 5 Day:  3 Day:   
 1 Day:  Custom-TAT:

Matrix: A = Air S = Soil/Solid  
 W = Water DW = Drinking Water SD = Sediment  
 PP = Pure Product SEA = Sea Water  
 SW = Swab T = Tissue WP = Wipe O = Other  
 Preservatives:  
 1 = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 2 = HCl 3 = HNO<sub>3</sub>  
 4 = H<sub>2</sub>SO<sub>4</sub> 5 = NaOH 6 = Other  
 Sample Receipt Temp:  
 (lab use only)

CUSTOMER INFORMATION				PROJECT INFORMATION				ANALYSIS REQUEST				TEST INSTRUCTIONS / COMMENTS			
Company:	Rincon Consultants, Inc.	Name:	Via Oro	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Company / Title	Date / Time				
Report To:	Jennifer Seitz	Number:	22-13404	1	5/9/23	1135	S	18oz jar	-	Rincon Geologist	5/10/23	1236			
Email:	jseitz@rinconconsultants.com	P.O. #:	"	2		1139			-	EA-NH	5/10/23	1238			
Address:	2215 Faraday Avenue, Suite A	Address:	4000 Via Oro Avenue	3		1015			-	EA-NH	5/10/23	1320			
	Carlsbad, CA 92008	Address:	Long Beach, CA	4		1018			-	EA	5/10/23	1330			
Phone:	858-768-2460	Global ID:		5		1032			-	EA	5/10/23	1535			
Fax:		Sampled By:	Michael Girod	6		1035			-	EA	5/10/23	1535			
				7		1104			-						
				8		1107			-						
				9		1047			-						
				10		1050			-						

CUSTOMER INFORMATION				PROJECT INFORMATION				ANALYSIS REQUEST				TEST INSTRUCTIONS / COMMENTS			
Company:	Rincon Consultants, Inc.	Name:	Via Oro	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Company / Title	Date / Time				
Report To:	Jennifer Seitz	Number:	22-13404	1	5/9/23	1135	S	18oz jar	-	Rincon Geologist	5/10/23	1236			
Email:	jseitz@rinconconsultants.com	P.O. #:	"	2		1139			-	EA-NH	5/10/23	1238			
Address:	2215 Faraday Avenue, Suite A	Address:	4000 Via Oro Avenue	3		1015			-	EA-NH	5/10/23	1320			
	Carlsbad, CA 92008	Address:	Long Beach, CA	4		1018			-	EA	5/10/23	1330			
Phone:	858-768-2460	Global ID:		5		1032			-	EA	5/10/23	1535			
Fax:		Sampled By:	Michael Girod	6		1035			-	EA	5/10/23	1535			
				7		1104			-						
				8		1107			-						
				9		1047			-						
				10		1050			-						

1 Relinquished By: *[Signature]* Mike Girard  
 1 Received By: *[Signature]* Jim Con  
 2 Relinquished By: *[Signature]* Jim Con  
 2 Received By: *[Signature]* Sargis Richey  
 3 Relinquished By: *[Signature]* Sargis Richey  
 3 Received By: *[Signature]* Annalynn Sammons

7.10.23



# ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

**Section 1**  
 Client: Rincon Consultants Inc Project: Via Oro  
 Date Received: 5/10/23 Sampler's Name Present:  Yes  No

**Section 2**  
 Sample(s) received in a cooler?  Yes, How many? 1  No (skip section 2) Sample Temp (°C) (No Cooler): \_\_\_\_\_  
 Sample Temp (°C), One from each cooler: #1: 4.8 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_  
 (Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)  
 Shipping Information: \_\_\_\_\_

**Section 3**  
 Was the cooler packed with:  Ice  Ice Packs  Bubble Wrap  Styrofoam  
 Paper  None  Other \_\_\_\_\_  
 Cooler Temp (°C): #1: 3.1 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

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

**Section 5 Explanations/Comments**

**Section 6**  
 For discrepancies, how was the Project Manager notified?  Verbal PM Initials: \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_  
 Project Manager's response: \_\_\_\_\_

Completed By: [Signature] Date: 5/10/23



Ranjit Clarke <ranjit.clarke@enthalpy.com>

**RE: [EXTERNAL] RE: [EXT] Via Oro - Enthalpy Data (484918) (Invoice CINV-189513)**

1 message

**Lauren Vigliotti** <lvigliotti@rinconconsultants.com>  
To: Ranjit Clarke <Ranjit.Clarke@enthalpy.com>  
Cc: Jennifer Seitz <jseitz@rinconconsultants.com>

Tue, May 30, 2023 at 9:04 AM

Yes, sorry again, STLC 4,4-DDE should be what we are requesting!

**Lauren Vigliotti, Environmental Scientist**  
(She/Her)

925-321-3291 Mobile | 916-379-7748 Direct

[lvigliotti@rinconconsultants.com](mailto:lvigliotti@rinconconsultants.com)



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**From:** Ranjit Clarke <[Ranjit.Clarke@enthalpy.com](mailto:Ranjit.Clarke@enthalpy.com)>  
**Sent:** Tuesday, May 30, 2023 8:51 AM  
**To:** Lauren Vigliotti <[lvigliotti@rinconconsultants.com](mailto:lvigliotti@rinconconsultants.com)>  
**Cc:** Jennifer Seitz <[jseitz@rinconconsultants.com](mailto:jseitz@rinconconsultants.com)>  
**Subject:** Re: [EXTERNAL] RE: [EXT] Via Oro - Enthalpy Data (484918) (Invoice CINV-189513)

**CAUTION:** This email originated from outside of Rincon Consultants. Be cautious before clicking on any links, or opening any attachments, until you are confident that the content is safe .

One more clarification. The TTLC was already analyzed. That is what the original result was.

Based on this, do you want us to continue with a STLC analysis and a TTLC **re-analysis**?

Ranjit Clarke  
Client Services Manager

## Analysis Results for 484918

Jennifer Seitz  
 Rincon Consultants, Inc.  
 2215 Faraday Avenue  
 Suite A  
 Carlsbad, CA 92008

Lab Job #: 484918  
 Location: Via Oro - Supplemental Report 1  
 Date Received: 05/10/23

**Sample ID: SB-1-0.5      Lab ID: 484918-001      Collected: 05/09/23 08:54**  
**Matrix: Soil**

484918-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Arsenic	<b>7.0</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	<b>150</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	<b>26</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	<b>11</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	<b>31</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Lead	<b>15</b>		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	<b>23</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	<b>46</b>		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	<b>78</b>		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/11/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
beta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
gamma-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
delta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Heptachlor	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Aldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endosulfan I	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Dieldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
4,4'-DDE	<b>120</b>		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endosulfan II	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW

### Analysis Results for 484918

484918-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDD	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Endrin ketone	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
4,4'-DDT	<b>21</b>		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	TJW
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	TJW
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	TJW
Chlordane (Technical)	ND		ug/Kg	50	0.99	313954	05/15/23	05/15/23	TJW
<b>Surrogates</b>				<b>Limits</b>					
TCMX	64%		%REC	23-120	0.99	313954	05/15/23	05/15/23	TJW
Decachlorobiphenyl	69%		%REC	24-120	0.99	313954	05/15/23	05/15/23	TJW

## Analysis Results for 484918

Sample ID: SB-1-2

Lab ID: 484918-002

Collected: 05/09/23 09:00

Matrix: Soil

484918-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	1.3		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	7.5		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	180		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	32		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	12		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Copper	32		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	16		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	24		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	52		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	85		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/11/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDE	650		ug/Kg	50	10	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDD	26		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDT	150		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	10	1	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	100	1	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	75%		%REC	23-120	1	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	82%		%REC	24-120	1	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

<b>Sample ID: SB-2-0.5</b>	<b>Lab ID: 484918-003</b>	<b>Collected: 05/09/23 09:19</b>
	<b>Matrix: Soil</b>	

484918-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	6.5		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	130		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	27		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	9.1		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Copper	23		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	14		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	22		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	48		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	75		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	77		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	9.6		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	49	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>			<b>Limits</b>						
TCMX	78%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	89%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-2-2**

**Lab ID: 484918-004**

**Collected: 05/09/23 09:22**

484918-004 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020										
Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	1.0	Soil	1	313793	05/11/23	05/13/23	JCP
Arsenic	<b>7.6</b>		mg/Kg	1.0	Soil	1	313793	05/11/23	05/12/23	JCP
Barium	<b>190</b>		mg/Kg	1.0	Soil	1	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	1.0	Soil	1	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.50	Soil	1	313793	05/11/23	05/12/23	JCP
Chromium	<b>31</b>		mg/Kg	1.0	Soil	1	313793	05/11/23	05/12/23	JCP
Cobalt	<b>12</b>		mg/Kg	1.0	Soil	1	313793	05/11/23	05/15/23	JCP
Copper	<b>32</b>		mg/Kg	1.0	Soil	1	313793	05/11/23	05/15/23	JCP
Lead	<b>18</b>		mg/Kg	0.50	Soil	1	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	1.0	Soil	1	313793	05/11/23	05/12/23	JCP
Nickel	<b>26</b>		mg/Kg	1.0	Soil	1	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	Soil	1	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.50	Soil	1	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	1.0	Soil	1	313793	05/11/23	05/12/23	JCP
Vanadium	<b>57</b>		mg/Kg	2.0	Soil	1	313793	05/11/23	05/12/23	JCP
Zinc	<b>99</b>		mg/Kg	5.0	Soil	1	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A										
Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17	Soil	1.2	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A										
Prep Method: EPA 3510C										
4,4'-DDE	ND		ug/L	0.20	WET Leachate	2	315225	06/01/23	06/02/23	TRN
<b>Surrogates</b>										
<b>Limits</b>										
TCMX	48%		%REC	14-120	WET Leachate	2	315225	06/01/23	06/02/23	TRN
Decachlorobiphenyl	53%		%REC	20-120	WET Leachate	2	315225	06/01/23	06/02/23	TRN
Method: EPA 8081A										
Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
4,4'-DDE	<b>1,200</b>		ug/Kg	490	Soil	98	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
4,4'-DDD	<b>35</b>		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-004 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
4,4'-DDT	<b>120</b>		ug/Kg	4.9	Soil	0.98	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.8	Soil	0.98	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	98	Soil	0.98	313954	05/15/23	05/15/23	MES
Chlordane (Technical)	ND		ug/Kg	49	Soil	0.98	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>						
TCMX	83%		%REC	23-120	Soil	0.98	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	106%		%REC	24-120	Soil	0.98	313954	05/15/23	05/15/23	MES

**Sample ID: SB-3-0.5**

**Lab ID: 484918-005**

**Collected: 05/09/23 09:51**

**Matrix: Soil**

484918-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist	
Method: EPA 8015M										
Prep Method: EPA 3580M										
GRO C6-C10	ND		mg/Kg	10	1	313934	05/14/23	05/15/23	BJG	
DRO C10-C28	ND		mg/Kg	10	1	313934	05/14/23	05/15/23	BJG	
ORO C28-C44	ND		mg/Kg	10	1	313934	05/14/23	05/15/23	BJG	
<b>Surrogates</b>				<b>Limits</b>						
n-Triacontane	81%		%REC	70-130	1	313934	05/14/23	05/15/23	BJG	

**Sample ID: SB-3-2**

**Lab ID: 484918-006**

**Collected: 05/09/23 09:53**

**Matrix: Soil**

484918-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist	
Method: EPA 8015M										
Prep Method: EPA 3580M										
GRO C6-C10	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG	
DRO C10-C28	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG	
ORO C28-C44	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG	
<b>Surrogates</b>				<b>Limits</b>						
n-Triacontane	82%		%REC	70-130	0.99	313934	05/14/23	05/15/23	BJG	

## Analysis Results for 484918

<b>Sample ID: SB-4-0.5</b>	<b>Lab ID: 484918-007</b>	<b>Collected: 05/09/23 09:40</b>
	<b>Matrix: Soil</b>	

484918-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015M									
Prep Method: EPA 3580M									
GRO C6-C10	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
DRO C10-C28	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
ORO C28-C44	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
<b>Surrogates</b>	<b>Limits</b>								
n-Triacontane	77%		%REC	70-130	0.99	313934	05/14/23	05/15/23	BJG

<b>Sample ID: SB-4-2</b>	<b>Lab ID: 484918-008</b>	<b>Collected: 05/09/23 09:44</b>
	<b>Matrix: Soil</b>	

484918-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015M									
Prep Method: EPA 3580M									
GRO C6-C10	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
DRO C10-C28	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
ORO C28-C44	ND		mg/Kg	9.9	0.99	313934	05/14/23	05/15/23	BJG
<b>Surrogates</b>	<b>Limits</b>								
n-Triacontane	80%		%REC	70-130	0.99	313934	05/14/23	05/15/23	BJG

## Analysis Results for 484918

**Sample ID: SB-5-0.5**
**Lab ID: 484918-009**
**Collected: 05/09/23 11:19**
**Matrix: Soil**

484918-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	<b>6.5</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	<b>150</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	<b>26</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	<b>10</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Copper	<b>26</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	<b>18</b>		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	<b>22</b>		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	<b>49</b>		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	<b>71</b>		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	<b>150</b>		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	<b>21</b>		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	49	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>			<b>Limits</b>						
TCMX	60%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	64%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-5-2**

**Lab ID: 484918-010**

**Collected: 05/09/23 11:23**

**Matrix: Soil**

484918-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	7.2		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	190		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	29		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	12		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Copper	30		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	17		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	26		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	55		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	90		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	480		ug/Kg	49	9.9	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	55		ug/Kg	4.9	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	49	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	55%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	65%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

<b>Sample ID: SB-6-0.5</b>	<b>Lab ID: 484918-011</b>	<b>Collected: 05/09/23 11:35</b>
<b>Matrix: Soil</b>		

484918-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	7.6		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	140		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	26		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	9.4		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Copper	24		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	11		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	21		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	45		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	68		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
4,4'-DDE	120		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
4,4'-DDT	13		ug/Kg	10	2	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	20	2	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	200	2	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	100	2	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	72%		%REC	23-120	2	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	79%		%REC	24-120	2	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

Sample ID: SB-6-2

Lab ID: 484918-012

Collected: 05/09/23 11:39

Matrix: Soil

484918-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.99	0.99	313793	05/11/23	05/13/23	JCP
Arsenic	7.0		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Barium	190		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.99	0.99	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.50	0.99	313793	05/11/23	05/12/23	JCP
Chromium	28		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Cobalt	12		mg/Kg	0.99	0.99	313793	05/11/23	05/15/23	JCP
Copper	30		mg/Kg	0.99	0.99	313793	05/11/23	05/15/23	JCP
Lead	20		mg/Kg	0.50	0.99	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Nickel	24		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.99	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.50	0.99	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.99	0.99	313793	05/11/23	05/12/23	JCP
Vanadium	55		mg/Kg	2.0	0.99	313793	05/11/23	05/12/23	JCP
Zinc	88		mg/Kg	5.0	0.99	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDE	610		ug/Kg	50	10	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDT	90		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	10	1	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	100	1	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	78%		%REC	23-120	1	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	90%		%REC	24-120	1	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-7-0.5**
**Lab ID: 484918-013**
**Collected: 05/09/23 10:15**
**Matrix: Soil**

484918-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	5.7		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	110		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	23		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	9.0		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	21		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	14		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	18		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	39		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	66		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDE	55		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDT	12		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	10	1	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	100	1	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	47%		%REC	23-120	1	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	56%		%REC	24-120	1	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

Sample ID: SB-7-2

Lab ID: 484918-014

Collected: 05/09/23 10:18

Matrix: Soil

484918-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	6.8		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	160		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	28		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	12		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	27		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	19		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	23		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	50		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	80		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	180		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	31		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	61%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	69%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

<b>Sample ID: SB-8-0.5</b>	<b>Lab ID: 484918-015</b>	<b>Collected: 05/09/23 10:32</b>
	<b>Matrix: Soil</b>	

484918-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	4.5		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	90		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	26		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	9.6		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Copper	16		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	13		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	19		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	40		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	54		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
4,4'-DDE	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
4,4'-DDT	ND		ug/Kg	9.9	2	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	20	2	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	200	2	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	99	2	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	57%		%REC	23-120	2	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	72%		%REC	24-120	2	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

Sample ID: SB-8-2

Lab ID: 484918-016

Collected: 05/09/23 10:35

Matrix: Soil

484918-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	6.5		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	150		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	25		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	12		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	27		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	13		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	21		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	49		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	71		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	490		ug/Kg	50	9.9	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	17		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	130		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	49%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	64%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

<b>Sample ID: SB-9-0.5</b>	<b>Lab ID: 484918-017</b>	<b>Collected: 05/09/23 11:04</b>
	<b>Matrix: Soil</b>	

484918-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	<b>6.6</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	<b>160</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	<b>24</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	<b>11</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	<b>27</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	<b>22</b>		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	<b>21</b>		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	<b>47</b>		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	<b>85</b>		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDE	<b>110</b>		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDT	<b>21</b>		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	10	1	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	100	1	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	54%		%REC	23-120	1	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	68%		%REC	24-120	1	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

<b>Sample ID: SB-9-2</b>	<b>Lab ID: 484918-018</b>	<b>Collected: 05/09/23 11:07</b>
<b>Matrix: Soil</b>		

484918-018 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	4.7		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	160		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	27		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	11		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Copper	28		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	9.0		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	21		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	49		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	63		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDE	11		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
4,4'-DDT	ND		ug/Kg	5.0	0.99	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	99	0.99	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-018 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	0.99	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>			<b>Limits</b>						
TCMX	53%		%REC	23-120	0.99	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	61%		%REC	24-120	0.99	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-10-0.5**

**Lab ID: 484918-019**

**Collected: 05/09/23 10:47**

**Matrix: Soil**

484918-019 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/13/23	JCP
Arsenic	7.6		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Barium	100		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Chromium	24		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Cobalt	9.2		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Copper	19		mg/Kg	0.98	0.98	313793	05/11/23	05/15/23	JCP
Lead	15		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Molybdenum	1.1		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Nickel	20		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.49	0.98	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.98	0.98	313793	05/11/23	05/12/23	JCP
Vanadium	43		mg/Kg	2.0	0.98	313793	05/11/23	05/12/23	JCP
Zinc	59		mg/Kg	4.9	0.98	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
4,4'-DDE	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endrin	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
4,4'-DDD	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
4,4'-DDT	ND		ug/Kg	9.8	2	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	20	2	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	200	2	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-019 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	98	2	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	58%		%REC	23-120	2	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	82%		%REC	24-120	2	313954	05/15/23	05/15/23	MES

## Analysis Results for 484918

**Sample ID: SB-10-2**
**Lab ID: 484918-020**
**Collected: 05/09/23 10:50**
**Matrix: Soil**

484918-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/13/23	JCP
Arsenic	7.4		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Barium	180		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Beryllium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Cadmium	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Chromium	31		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Cobalt	13		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Copper	29		mg/Kg	0.96	0.96	313793	05/11/23	05/15/23	JCP
Lead	18		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Molybdenum	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Nickel	26		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Selenium	ND		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Silver	ND		mg/Kg	0.48	0.96	313793	05/11/23	05/12/23	JCP
Thallium	ND		mg/Kg	0.96	0.96	313793	05/11/23	05/12/23	JCP
Vanadium	57		mg/Kg	1.9	0.96	313793	05/11/23	05/12/23	JCP
Zinc	89		mg/Kg	4.8	0.96	313793	05/11/23	05/12/23	JCP
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.2	313781	05/11/23	05/12/23	KAM
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
beta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
delta-BHC	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Aldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Dieldrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDE	670		ug/Kg	50	10	313954	05/15/23	05/16/23	MES
Endrin	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDD	19		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
4,4'-DDT	160		ug/Kg	5.0	1	313954	05/15/23	05/15/23	MES
Methoxychlor	ND		ug/Kg	10	1	313954	05/15/23	05/15/23	MES
Toxaphene	ND		ug/Kg	100	1	313954	05/15/23	05/15/23	MES

### Analysis Results for 484918

484918-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	313954	05/15/23	05/15/23	MES
<b>Surrogates</b>				<b>Limits</b>					
TCMX	60%		%REC	23-120	1	313954	05/15/23	05/15/23	MES
Decachlorobiphenyl	66%		%REC	24-120	1	313954	05/15/23	05/15/23	MES

ND Not Detected

## Batch QC

<b>Type: Blank</b>	<b>Lab ID: QC1065246</b>	<b>Batch: 313793</b>
<b>Matrix: Soil</b>	<b>Method: EPA 6020</b>	<b>Prep Method: EPA 3050B</b>

QC1065246 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	1.0	05/11/23	05/15/23
Arsenic	ND		mg/Kg	1.0	05/11/23	05/12/23
Barium	ND		mg/Kg	1.0	05/11/23	05/12/23
Beryllium	ND		mg/Kg	1.0	05/11/23	05/15/23
Cadmium	ND		mg/Kg	0.50	05/11/23	05/12/23
Chromium	ND		mg/Kg	1.0	05/11/23	05/12/23
Cobalt	ND		mg/Kg	1.0	05/11/23	05/12/23
Copper	ND		mg/Kg	1.0	05/11/23	05/12/23
Lead	ND		mg/Kg	0.50	05/11/23	05/12/23
Molybdenum	ND		mg/Kg	1.0	05/11/23	05/12/23
Nickel	ND		mg/Kg	1.0	05/11/23	05/12/23
Selenium	ND		mg/Kg	2.0	05/11/23	05/12/23
Silver	ND		mg/Kg	0.50	05/11/23	05/12/23
Thallium	ND		mg/Kg	1.0	05/11/23	05/12/23
Vanadium	ND		mg/Kg	2.0	05/11/23	05/12/23
Zinc	ND		mg/Kg	5.0	05/11/23	05/12/23

<b>Type: Lab Control Sample</b>	<b>Lab ID: QC1065247</b>	<b>Batch: 313793</b>
<b>Matrix: Soil</b>	<b>Method: EPA 6020</b>	<b>Prep Method: EPA 3050B</b>

QC1065247 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	114.2	100.0	mg/Kg	114%		80-120
Arsenic	113.2	100.0	mg/Kg	113%		80-120
Barium	106.9	100.0	mg/Kg	107%		80-120
Beryllium	88.56	100.0	mg/Kg	89%		80-120
Cadmium	108.0	100.0	mg/Kg	108%		80-120
Chromium	109.9	100.0	mg/Kg	110%		80-120
Cobalt	119.6	100.0	mg/Kg	120%		80-120
Copper	116.8	100.0	mg/Kg	117%		80-120
Lead	106.3	100.0	mg/Kg	106%		80-120
Molybdenum	101.9	100.0	mg/Kg	102%		80-120
Nickel	116.0	100.0	mg/Kg	116%		80-120
Selenium	109.7	100.0	mg/Kg	110%		80-120
Silver	53.16	50.00	mg/Kg	106%		80-120
Thallium	105.2	100.0	mg/Kg	105%		80-120
Vanadium	108.8	100.0	mg/Kg	109%		80-120
Zinc	105.7	100.0	mg/Kg	106%		80-120

## Batch QC

<b>Type: Matrix Spike</b>	<b>Lab ID: QC1065248</b>	<b>Batch: 313793</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 6020</b>	<b>Prep Method: EPA 3050B</b>

QC1065248 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	30.08	0.8602	100.0	mg/Kg	29%	*	75-125	1
Arsenic	119.8	6.963	100.0	mg/Kg	113%		75-125	1
Barium	279.9	154.2	100.0	mg/Kg	126%	*	75-125	1
Beryllium	89.54	0.3903	100.0	mg/Kg	89%		75-125	1
Cadmium	107.7	ND	100.0	mg/Kg	108%		75-125	1
Chromium	134.0	25.76	100.0	mg/Kg	108%		75-125	1
Cobalt	125.5	11.46	100.0	mg/Kg	114%		75-125	1
Copper	142.3	30.58	100.0	mg/Kg	112%		75-125	1
Lead	157.8	15.04	100.0	mg/Kg	143%	*	75-125	1
Molybdenum	92.21	0.6663	100.0	mg/Kg	92%		75-125	1
Nickel	137.3	23.17	100.0	mg/Kg	114%		75-125	1
Selenium	109.5	ND	100.0	mg/Kg	110%		75-125	1
Silver	52.07	ND	50.00	mg/Kg	104%		75-125	1
Thallium	102.4	ND	100.0	mg/Kg	102%		75-125	1
Vanadium	155.0	46.32	100.0	mg/Kg	109%		75-125	1
Zinc	181.1	78.19	100.0	mg/Kg	103%		75-125	1

<b>Type: Matrix Spike Duplicate</b>	<b>Lab ID: QC1065249</b>	<b>Batch: 313793</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 6020</b>	<b>Prep Method: EPA 3050B</b>

QC1065249 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Antimony	26.65	0.8602	96.15	mg/Kg	27%	*	75-125	8	20	0.96
Arsenic	114.2	6.963	96.15	mg/Kg	112%		75-125	1	20	0.96
Barium	257.6	154.2	96.15	mg/Kg	108%		75-125	7	20	0.96
Beryllium	87.97	0.3903	96.15	mg/Kg	91%		75-125	2	20	0.96
Cadmium	103.9	ND	96.15	mg/Kg	108%		75-125	0	20	0.96
Chromium	130.2	25.76	96.15	mg/Kg	109%		75-125	0	20	0.96
Cobalt	122.9	11.46	96.15	mg/Kg	116%		75-125	1	20	0.96
Copper	134.5	30.58	96.15	mg/Kg	108%		75-125	3	20	0.96
Lead	113.3	15.04	96.15	mg/Kg	102%		75-125	30*	20	0.96
Molybdenum	90.64	0.6663	96.15	mg/Kg	94%		75-125	2	20	0.96
Nickel	130.0	23.17	96.15	mg/Kg	111%		75-125	2	20	0.96
Selenium	104.6	ND	96.15	mg/Kg	109%		75-125	1	20	0.96
Silver	49.29	ND	48.08	mg/Kg	103%		75-125	2	20	0.96
Thallium	100.2	ND	96.15	mg/Kg	104%		75-125	2	20	0.96
Vanadium	150.7	46.32	96.15	mg/Kg	109%		75-125	0	20	0.96
Zinc	171.8	78.19	96.15	mg/Kg	97%		75-125	3	20	0.96

## Batch QC

<b>Type: Blank</b>	<b>Lab ID: QC1065224</b>	<b>Batch: 313781</b>
<b>Matrix: Soil</b>	<b>Method: EPA 7471A</b>	<b>Prep Method: METHOD</b>

QC1065224 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	05/11/23	05/11/23

<b>Type: Lab Control Sample</b>	<b>Lab ID: QC1065225</b>	<b>Batch: 313781</b>
<b>Matrix: Soil</b>	<b>Method: EPA 7471A</b>	<b>Prep Method: METHOD</b>

QC1065225 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8172	0.8333	mg/Kg	98%		80-120

<b>Type: Matrix Spike</b>	<b>Lab ID: QC1065226</b>	<b>Batch: 313781</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 7471A</b>	<b>Prep Method: METHOD</b>

QC1065226 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9227	0.05183	0.8621	mg/Kg	101%		75-125	1

<b>Type: Matrix Spike Duplicate</b>	<b>Lab ID: QC1065227</b>	<b>Batch: 313781</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 7471A</b>	<b>Prep Method: METHOD</b>

QC1065227 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Mercury	1.040	0.05183	1.000	mg/Kg	99%		75-125	2	20	1.2

<b>Type: Blank</b>	<b>Lab ID: QC1065757</b>	<b>Batch: 313934</b>
<b>Matrix: Soil</b>	<b>Method: EPA 8015M</b>	<b>Prep Method: EPA 3580M</b>

QC1065757 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
GRO C6-C10	ND		mg/Kg	10	05/14/23	05/15/23
DRO C10-C28	ND		mg/Kg	10	05/14/23	05/15/23
ORO C28-C44	ND		mg/Kg	10	05/14/23	05/15/23
<b>Surrogates</b>				<b>Limits</b>		
n-Triacontane	82%		%REC	70-130	05/14/23	05/15/23

<b>Type: Lab Control Sample</b>	<b>Lab ID: QC1065758</b>	<b>Batch: 313934</b>
<b>Matrix: Soil</b>	<b>Method: EPA 8015M</b>	<b>Prep Method: EPA 3580M</b>

QC1065758 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	248.4	249.0	mg/Kg	100%		76-122
<b>Surrogates</b>						
n-Triacontane	8.831	9.960	mg/Kg	89%		70-130

## Batch QC

<b>Type: Matrix Spike</b>	<b>Lab ID: QC1065759</b>	<b>Batch: 313934</b>
<b>Matrix (Source ID): Soil (484918-006)</b>	<b>Method: EPA 8015M</b>	<b>Prep Method: EPA 3580M</b>

QC1065759 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	232.2	3.743	248.3	mg/Kg	92%		62-126	0.99
<b>Surrogates</b>								
n-Triacontane	8.064		9.930	mg/Kg	81%		70-130	0.99

<b>Type: Matrix Spike Duplicate</b>	<b>Lab ID: QC1065760</b>	<b>Batch: 313934</b>
<b>Matrix (Source ID): Soil (484918-006)</b>	<b>Method: EPA 8015M</b>	<b>Prep Method: EPA 3580M</b>

QC1065760 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	219.0	3.743	248.9	mg/Kg	86%		62-126	6	35	1
<b>Surrogates</b>										
n-Triacontane	7.779		9.955	mg/Kg	78%		70-130			1

<b>Type: Blank</b>	<b>Lab ID: QC1070113</b>	<b>Batch: 315225</b>
<b>Matrix: Water</b>	<b>Method: EPA 8081A</b>	<b>Prep Method: EPA 3510C</b>

QC1070113 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
4,4'-DDE	ND		ug/L	0.1	06/01/23	06/02/23
<b>Surrogates</b>						
				Limits		
TCMX	61%		%REC	14-120	06/01/23	06/02/23
Decachlorobiphenyl	75%		%REC	20-120	06/01/23	06/02/23

<b>Type: Lab Control Sample</b>	<b>Lab ID: QC1070114</b>	<b>Batch: 315225</b>
<b>Matrix: Water</b>	<b>Method: EPA 8081A</b>	<b>Prep Method: EPA 3510C</b>

QC1070114 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
4,4'-DDE	0.3865	0.5000	ug/L	77%		55-120
<b>Surrogates</b>						
TCMX	0.3090	0.5000	ug/L	62%		14-120
Decachlorobiphenyl	0.3070	0.5000	ug/L	61%		20-120

## Batch QC

<b>Type:</b> Lab Control Sample Duplicate	<b>Lab ID:</b> QC1070115	<b>Batch:</b> 315225
<b>Matrix:</b> Water	<b>Method:</b> EPA 8081A	<b>Prep Method:</b> EPA 3510C

QC1070115 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
4,4'-DDE	0.4476	0.5000	ug/L	90%		55-120	15	20
<b>Surrogates</b>								
TCMX	0.3654	0.5000	ug/L	73%		14-120		
Decachlorobiphenyl	0.3174	0.5000	ug/L	63%		20-120		

<b>Type:</b> Blank	<b>Lab ID:</b> QC1070119	<b>Batch:</b> 315225
<b>Matrix:</b> WET Leachate	<b>Method:</b> EPA 8081A	<b>Prep Method:</b> EPA 3510C

QC1070119 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
4,4'-DDE	ND		ug/L	0.20	06/01/23	06/02/23
<b>Surrogates</b>				<b>Limits</b>		
TCMX	72%		%REC	14-120	06/01/23	06/02/23
Decachlorobiphenyl	79%		%REC	20-120	06/01/23	06/02/23

## Batch QC

<b>Type: Blank</b>	<b>Lab ID: QC1065844</b>	<b>Batch: 313954</b>
<b>Matrix: Soil</b>	<b>Method: EPA 8081A</b>	<b>Prep Method: EPA 3546</b>

QC1065844 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	05/15/23	05/15/23
beta-BHC	ND		ug/Kg	5.0	05/15/23	05/15/23
gamma-BHC	ND		ug/Kg	5.0	05/15/23	05/15/23
delta-BHC	ND		ug/Kg	5.0	05/15/23	05/15/23
Heptachlor	ND		ug/Kg	5.0	05/15/23	05/15/23
Aldrin	ND		ug/Kg	5.0	05/15/23	05/15/23
Heptachlor epoxide	ND		ug/Kg	5.0	05/15/23	05/15/23
Endosulfan I	ND		ug/Kg	5.0	05/15/23	05/15/23
Dieldrin	ND		ug/Kg	5.0	05/15/23	05/15/23
4,4'-DDE	ND		ug/Kg	5.0	05/15/23	05/15/23
Endrin	ND		ug/Kg	5.0	05/15/23	05/15/23
Endosulfan II	ND		ug/Kg	5.0	05/15/23	05/15/23
Endosulfan sulfate	ND		ug/Kg	5.0	05/15/23	05/15/23
4,4'-DDD	ND		ug/Kg	5.0	05/15/23	05/15/23
Endrin aldehyde	ND		ug/Kg	5.0	05/15/23	05/15/23
Endrin ketone	ND		ug/Kg	5.0	05/15/23	05/15/23
4,4'-DDT	ND		ug/Kg	5.0	05/15/23	05/15/23
Methoxychlor	ND		ug/Kg	9.9	05/15/23	05/15/23
Toxaphene	ND		ug/Kg	99	05/15/23	05/15/23
Chlordane (Technical)	ND		ug/Kg	50	05/15/23	05/15/23
<b>Surrogates</b>				<b>Limits</b>		
TCMX	85%		%REC	23-120	05/15/23	05/15/23
Decachlorobiphenyl	90%		%REC	24-120	05/15/23	05/15/23

## Batch QC

<b>Type: Lab Control Sample</b>	<b>Lab ID: QC1065845</b>	<b>Batch: 313954</b>
<b>Matrix: Soil</b>	<b>Method: EPA 8081A</b>	<b>Prep Method: EPA 3546</b>

QC1065845 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	43.29	49.95	ug/Kg	87%		22-129
beta-BHC	41.86	49.95	ug/Kg	84%		28-125
gamma-BHC	42.94	49.95	ug/Kg	86%		22-128
delta-BHC	43.64	49.95	ug/Kg	87%		24-131
Heptachlor	44.56	49.95	ug/Kg	89%		18-124
Aldrin	33.95	49.95	ug/Kg	68%		23-120
Heptachlor epoxide	43.00	49.95	ug/Kg	86%		26-120
Endosulfan I	46.02	49.95	ug/Kg	92%		25-126
Dieldrin	43.66	49.95	ug/Kg	87%		23-124
4,4'-DDE	44.92	49.95	ug/Kg	90%		28-121
Endrin	46.22	49.95	ug/Kg	93%		25-127
Endosulfan II	45.28	49.95	ug/Kg	91%		29-121
Endosulfan sulfate	44.21	49.95	ug/Kg	89%		30-121
4,4'-DDD	49.11	49.95	ug/Kg	98%		26-120
Endrin aldehyde	32.55	49.95	ug/Kg	65%		10-120
Endrin ketone	43.07	49.95	ug/Kg	86%		28-125
4,4'-DDT	45.68	49.95	ug/Kg	91%		22-125
Methoxychlor	50.42	49.95	ug/Kg	101%		28-130
<b>Surrogates</b>						
TCMX	41.45	49.95	ug/Kg	83%		23-120
Decachlorobiphenyl	42.65	49.95	ug/Kg	85%		24-120

## Batch QC

<b>Type: Matrix Spike</b>	<b>Lab ID: QC1065846</b>	<b>Batch: 313954</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 8081A</b>	<b>Prep Method: EPA 3546</b>

QC1065846 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	36.54	ND	49.90	ug/Kg	73%		46-120	1
beta-BHC	36.32	ND	49.90	ug/Kg	73%		41-120	1
gamma-BHC	36.06	ND	49.90	ug/Kg	72%		41-120	1
delta-BHC	37.40	ND	49.90	ug/Kg	75%		38-123	1
Heptachlor	39.56	ND	49.90	ug/Kg	79%		39-120	1
Aldrin	34.34	ND	49.90	ug/Kg	69%		34-120	1
Heptachlor epoxide	37.25	ND	49.90	ug/Kg	75%		43-120	1
Endosulfan I	40.40	ND	49.90	ug/Kg	81%		45-120	1
Dieldrin	38.95	ND	49.90	ug/Kg	78%		45-120	1
4,4'-DDE	175.1	118.1	49.90	ug/Kg	114%		34-120	1
Endrin	39.62	ND	49.90	ug/Kg	79%		40-120	1
Endosulfan II	39.78	ND	49.90	ug/Kg	80%		41-120	1
Endosulfan sulfate	37.15	ND	49.90	ug/Kg	74%		42-120	1
4,4'-DDD	43.62	1.654	49.90	ug/Kg	84%		41-120	1
Endrin aldehyde	31.88	ND	49.90	ug/Kg	64%		30-120	1
Endrin ketone	37.47	ND	49.90	ug/Kg	75%		45-120	1
4,4'-DDT	64.55	20.75	49.90	ug/Kg	88%		35-127	1
Methoxychlor	46.28	ND	49.90	ug/Kg	93%		42-136	1
<b>Surrogates</b>								
TCMX	35.21		49.90	ug/Kg	71%		23-120	1
Decachlorobiphenyl	38.81		49.90	ug/Kg	78%		24-120	1

## Batch QC

<b>Type: Matrix Spike Duplicate</b>	<b>Lab ID: QC1065847</b>	<b>Batch: 313954</b>
<b>Matrix (Source ID): Soil (484918-001)</b>	<b>Method: EPA 8081A</b>	<b>Prep Method: EPA 3546</b>

QC1065847 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	34.92	ND	49.41	ug/Kg	71%		46-120	4	30	0.99
beta-BHC	34.67	ND	49.41	ug/Kg	70%		41-120	4	30	0.99
gamma-BHC	34.72	ND	49.41	ug/Kg	70%		41-120	3	30	0.99
delta-BHC	35.61	ND	49.41	ug/Kg	72%		38-123	4	30	0.99
Heptachlor	38.96	ND	49.41	ug/Kg	79%		39-120	1	30	0.99
Aldrin	33.32	ND	49.41	ug/Kg	67%		34-120	2	30	0.99
Heptachlor epoxide	36.02	ND	49.41	ug/Kg	73%		43-120	2	30	0.99
Endosulfan I	38.83	ND	49.41	ug/Kg	79%		45-120	3	30	0.99
Dieldrin	37.87	ND	49.41	ug/Kg	77%		45-120	2	30	0.99
4,4'-DDE	189.9	118.1	49.41	ug/Kg	145%	*	34-120	8	30	0.99
Endrin	37.95	ND	49.41	ug/Kg	77%		40-120	3	30	0.99
Endosulfan II	37.37	ND	49.41	ug/Kg	76%		41-120	5	30	0.99
Endosulfan sulfate	34.19	ND	49.41	ug/Kg	69%		42-120	7	30	0.99
4,4'-DDD	39.93	1.654	49.41	ug/Kg	77%		41-120	8	30	0.99
Endrin aldehyde	30.59	ND	49.41	ug/Kg	62%		30-120	3	30	0.99
Endrin ketone	33.66	ND	49.41	ug/Kg	68%		45-120	10	30	0.99
4,4'-DDT	64.02	20.75	49.41	ug/Kg	88%		35-127	0	30	0.99
Methoxychlor	44.02	ND	49.41	ug/Kg	89%		42-136	4	30	0.99
<b>Surrogates</b>										
TCMX	34.31		49.41	ug/Kg	69%		23-120			0.99
Decachlorobiphenyl	36.20		49.41	ug/Kg	73%		24-120			0.99

\* Value is outside QC limits

ND Not Detected

# **Attachment 3**

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Soil Vapor Laboratory Analytical Report



May 10, 2023

Jennifer Seitz  
Rincon Consultants, Inc.  
180 North Ashwood Avenue  
Ventura, CA 93003

Dear Jennifer:

This letter presents the results of the soil vapor investigation conducted by Optimal Technology (Optimal), for Rincon Consultants, Inc. on May 9, 2023. The study was performed at 4000 Via Oro Ave., Long Beach, California.

Optimal was contracted to perform a soil vapor survey at this site to screen for possible chlorinated solvents and aromatic hydrocarbons. The primary objective of this soil vapor investigation was to determine if soil vapor contamination is present in the subsurface soil.

### **Gas Sampling Method**

Gas sampling was performed by hydraulically pushing soil gas probes to a depth of 5.0 feet below ground surface (bgs). An electric rotary hammer drill was used to drill a 1.0-inch diameter hole through the overlying surface to allow probe placement when required. The same electric hammer drill was used to push probes in areas of resistance during placement.

At each sampling location, an electric vacuum pump set to draw 0.2 liters per minute (L/min) of soil vapor was attached to the probe and purged prior to sample collection. Vapor samples were obtained in gas-tight syringes by drawing the sample through a luer-lock connection which connects the sampling probe and the vacuum pump. Samples were immediately injected into the gas chromatograph/purge and trap after collection. New tubing was used at each sampling point to prevent cross contamination.

All analyses were performed on a laboratory grade Agilent model 6890N gas chromatograph equipped with an Agilent model 5973N Mass Spectra Detector, Flame Ionization Detector (FID) and Tekmar LSC 3100 Purge and Trap. A Restek column using helium/nitrogen as the carrier gas was used to perform all analysis. All results were collected on a personal computer utilizing Agilent's MS and chromatographic data collection and handling system.

## Quality Assurance

### 5-Point Calibration

The initial five-point calibration consisted of 20, 50, 100, 200 and 500 ul injections of the calibration standard. A calibration factor on each analyte was generated using a best fit line method using the Agilent data system. If the  $r^2$  factor generated from this line was not greater than 0.990, an additional five-point calibration would have been performed. Method reporting limits were calculated to be 0.001-1.0 micrograms per Liter (ug/L) for the individual compounds and 5.0 parts per million by volume (ppmV) for Methane.

A daily calibration check was performed using a pre-mixed standard supplied by Scotty Analyzed Gases. The standard contained common halogenated solvents and aromatic hydrocarbons (see Table 1). The individual compound concentrations in the standards ranged between 0.025 nanograms per microliter (ng/ul) and 0.25 ng/ul.

**TABLE 1**

Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane
Bromoform	Bromomethane	n-Butylbenzene	sec-Butylbenzene
tert-Butylbenzene	Carbon Tetrachloride	Chlorobenzene	Chloroethane
Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene
Dibromochloromethane	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	Dibromomethane
1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene
trans-1,2-Dichloroethene	1,2-Dichloropropane	2,2-Dichloropropane	1,3-Dichloropropane
1,1-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	Isobutane
Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Naphthalene
n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane
Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene
1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane
1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride
m/p-Xylene	o-Xylene	Diisopropyl Ether	Ethyl Tert Butyl Ether
MTBE	Tert-Amyl Methyl Ether	Tertiary Butyl Alcohol	Methane

### Sample Replicates

A replicate analysis (duplicate) was run to evaluate the reproducibility of the sampling system and instrument. The difference between samples did not vary more than 20%.

### Equipment Blanks

Blanks were run at the beginning of each workday and after calibrations. The blanks were collected using an ambient air sample. These blanks checked the septum, syringe, GC column, GC detector and the ambient air. Contamination was not found in any of the blanks analyzed during this investigation. Blank results are given along with the sample results.

### Tracer Gas Leak Test

A tracer gas was applied to the soil gas probes at each point of connection in which ambient air could enter the sampling system. These points include the top of the sampling probe where the

tubing meets the probe connection and the surface bentonite seals. Isobutane was used as the tracer gas. No Isobutane was found in any of the samples collected.

#### *Purge Volume*

The standard purge volume of three volumes was purged in accordance with the July 2015 DTSC/RWQCB Advisory for Active Soil Gas Investigations.

#### *Shut-in Test*

A shut-in test was conducted prior to purging or sampling each location to check for leaks in the above-ground sampling system. The system was evaluated to a minimum measured vacuum of 100 inches of water. The vacuum gauge was calibrated and sensitive enough to indicate a water pressure change of at least 0.5 inches.

### **Scope of Work**

To achieve the objective of this investigation a total of 16 vapor samples were collected from 7 locations at the site. Sampling depths, vacuum readings, purge volume and sampling volumes are given on the analytical results page. All the collected vapor samples were analyzed on-site using Optimal's mobile laboratory.

### **Subsurface Conditions**

Subsurface soil conditions at this site offered sampling flows at 0" water vacuum.


### **Results**

During this vapor investigation, none of the compounds listed in Table 1 above were detected above the listed reporting limits. A complete table of analytical results is included with this report.

### **Disclaimer**

All conclusions presented in this letter are based solely on the information collected by the soil vapor survey conducted by Optimal Technology. Soil vapor testing is only a subsurface screening tool and does not represent actual contaminant concentrations in either the soil and/or groundwater. We enjoyed working with you on this project and look forward to future projects. If you have any questions, please contact me at (877) 764-5427.

Sincerely,



Attila Baly  
Project Manager











**SOIL VAPOR RESULTS**

**Site Name:** 4000 Via Oro Ave., Long Beach, CA

**Lab Name:** Optimal Technology

**Date:** 5/9/23

**Analyst:** A. Baly **Collector:** A. Baly

**Inst. ID:** Agilent 6890NF

**Method:** Modified EPA 8015

**Detector:** FID

**Page:** 5 of 6

SAMPLE ID
Sampling Depth (Ft.)
Purge Volume (ml)
Vacuum (in. of Water)
Injection Volume (ul)
Dilution Factor

BLANK-1	SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7
N/A	5.0	5.0	5.0	5.0	5.0	5.0	5.0
N/A	1,500	1,500	1,500	1,500	1,500	1,500	1,500
N/A	0	0	0	0	0	0	0
5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
1	1	1	1	1	1	1	1

COMPOUND	REP. LIMIT
Methane	5.0
Isobutane (Tracer Gas)	1.0

CONC (ppmV)	CONC (ppmV)	CONC (ppmV)	CONC (ppmV)	CONC (ppmV)	CONC (ppmV)	CONC (ppmV)	CONC (ppmV)
ND	ND	ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND	ND	ND

**Note:** ND = Below Listed Reporting Limit



**SOIL VAPOR RESULTS**

**Site Name:** 4000 Via Oro Ave., Long Beach, CA

**Lab Name:** Optimal Technology

**Date:** 5/9/23

**Analyst:** A. Baly    **Collector:** A. Baly

**Inst. ID:** Agilent 6890NF

**Method:** Modified EPA 8015

**Detector:** FID

**Page:** 6 of 6

SAMPLE ID
Sampling Depth (Ft.)
Purge Volume (ml)
Vacuum (in. of Water)
Injection Volume (ul)
Dilution Factor

SV-7 Dup								
5.0								
1,500								
0								
5,000								
1								

COMPOUND	REP. LIMIT
Methane	5.0
Isobutane (Tracer Gas)	1.0

CONC (ppmV)								
ND								
ND								

**Note:** ND = Below Listed Reporting Limit

