

July 15, 2022

DJ Arellano, P.E.
Vice President, Development Services
Duke Realty Corporation
200 Spectrum Center Drive, Suite 1600
Irvine, CA 92618

Re: Phase II Subsurface Investigation Letter Report
Vacant 13-parcel Assemblage, Southeast Corner of Ramona Expressway & Webster Avenue,
Perris, California

Dear Mr. Arellano:

Roux Associates, Inc. (Roux) has prepared this Phase II Subsurface Investigation Letter Report (Phase II Report) for Duke Realty Corporation (Duke, Client), to summarize the findings of the shallow soil sampling conducted at the approximately 29.21-acre, 13-parcel assemblage of land located at the southeast corner of Ramona Expressway and Webster Avenue, City of Perris, Riverside County, California (Site; Figure 1). The scope of work, as presented in Roux's a proposal dated, June 10, 2022, was developed to address the following recognized environmental condition (REC) identified for the Site in Roux's Phase I Environmental Site Assessment (ESA) report, dated July 15, 2022.

- **REC 1 - Historical Agricultural Usage.** Potential pesticide impacts to shallow soils from agricultural (row crop) uses from as early as 1938 through approximately 1978.

To address the identified REC, Roux collected a total of 40 discreet shallow soil samples from 10 uniform grids placed across the Site to establish baseline conditions and identify potential impacts in the shallow subsurface associated with the potential pesticide use. The 40 samples were combined into 10 composite samples in general accordance with the California Department of Toxic Substances Control (DTSC) *Interim Guidance for Sampling Agricultural Properties*, dated August 7, 2008. Additionally, for quality assurance/quality control (QA/QC) purposes, one duplicate composite sample was collected from a randomly selected grid at the Site.

BACKGROUND

The Site consists of approximately 29 acres of vacant land and is bound by Morgan Street to the south, Brennan Avenue to the east, and Ramona Expressway to the north. The western portion of the Site (located east of Webster Avenue) consists of vacant, former agricultural land (row crops). The eastern portion of the Site (located west of Brennan Avenue) consists of partially vacant, former agricultural land, and commercial land, currently utilized for storage of containers and miscellaneous equipment by Starcrest Products of California. The Site has been used for agricultural purposes as early as 1938 until at least 1978. At the time of Roux' Phase II investigation, the Site was primarily undeveloped vacant land with some portions used for storage.

METHODS OF INVESTIGATION

The following sections summarize the investigation methods used during soil sampling events, including pre-field activities, sampling locations and procedures, and field observations.

Pre-Field Activities

Prior to the start of field activities, Roux prepared a Site-specific Health and Safety Plan (HASP) to ensure worker safety. In addition to containing information regarding Roux's standard safety practices, the HASP contained information about potential hazards related to Site activities and provided the locations and contact information of nearby emergency services. Field workers acknowledged their familiarity with all safety procedures and indicated their intent to follow the HASP by signing the HASP after the tailgate safety meeting, which took place at the beginning of each field day. At least 48 hours prior to fieldwork, the Site boundary was marked in white paint and Underground Service Alert (USA) was notified of the intended work.

Shallow Soil Sampling

On June 20, 2022, a total of 44 soil samples (40 primary and 4 duplicates) were collected from 10 uniform grids (1 through 10) across the Site at depths of 0.5 feet below ground surface (bgs), as shown in Figure 2. Sampling equipment was cleaned in a solution of laboratory-grade detergent and rinsed with distilled water prior to sample collection at each quadrant location.

Four soil samples were collected with a trowel from each uniform grid (1-A, 1-B, 1-C, 1-D, etc.) and placed into laboratory-provided glass jars. A total of 44 soil samples were composited into 11 composite samples (1-COMP through 10-COMP and 10-DUP-COMP) by the laboratory. Soil samples were labeled with unique sample identifiers, placed on ice, and transported under proper chain-of-custody procedures to Enthalpy Analytical (Enthalpy) of Orange, California, a California-certified laboratory, for analysis. All composite soil samples were analyzed for organochlorine pesticides (OCPs) by USEPA Method 8081A. One discrete soil sample from each uniform grid was selected for analysis of select metals (total lead and arsenic) by USEPA Method 6010B.

RESULTS

Analytical results were compared to the United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) and/or DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3 DTSC-modified Screening Levels (DTSC SLs) for commercial/industrial soil. In addition, select metal concentrations were compared with regional background levels, as presented in *Background Concentrations of Trace and Major Elements in California Soils*¹ and *Determination of a Southern California Regional Background Arsenic Concentration in Soil*². Summaries of analytical results are provided in Tables 1 and 2. The analytical laboratory reports are provided in Appendix A.

¹ Bradford, G. R., Change, A. C., Page, A. L., Bakhtar, D., Frampton, J. A., and Wright, H. Background Concentrations of Trace and Major Elements in California Soils. March 1996.

² Chernoff, G., Bosan, W., and Oudiz, D. and DTSC, Determination of a Southern California Regional Background Arsenic Concentration in Soil. March 2008.

Arsenic in Soil

Arsenic was detected above the laboratory reporting limit in all 11 soil samples at concentrations ranging from 1.4 to 2.5 milligrams per kilogram (mg/kg). Arsenic, however, was not detected above the regional background concentration of 12 mg/kg in any sample (Table 1).

Lead in Soil

Lead was detected above the laboratory reporting limit in all 11 samples at concentrations ranging from 3.3 to 7.8 mg/kg, well below the DTSC SL for commercial/industrial soil of 500 mg/kg (Table 1).

Organochlorine Pesticides in Soil

Two OCP constituents, dichlorodipenyldichloroethylene (4,4'-DDE) and dichlorodiphenyltrichloroethane (4,4'-DDT), were reported at concentrations above the laboratory reporting limits in all 11 composite soil samples (Table 2). No detections exceeded the applicable SLs of 6,200 microgram per kilogram (ug/kg) for 4,4'-DDE or 7,100 ug/kg for 4,4'-DDT.

CONCLUSIONS

The results of the Phase II subsurface investigation indicate that shallow soil OCP and select metals concentrations are below conservative regulatory thresholds for commercial/industrial land use and/or regional background concentrations. The REC identified in the Phase I ESA has been addressed and no further investigation is recommended at this time.

LIMITATIONS

This Phase II is limited in scope to identify (not fully delineate) potential impacts in the subsurface. No investigation is thorough enough to describe all conditions of interest at a given site. If conditions are not identified during the Phase II, such a finding should not be construed as a guarantee of the absence of such conditions at the Site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed. We will not be able to report on, or accurately predict, events that may change the Site conditions after the described services are performed. This Report summarizes the results of recently completed shallow soil sampling conducted at the Site.

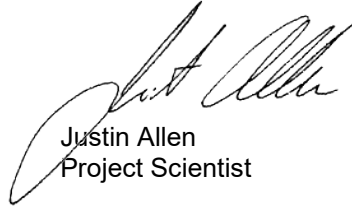
CLOSING

Should you have any questions or require any further information regarding the contents of this Report, please do not hesitate to contact Justin Allen by telephone at 714-904-4867 or by email at jallen@rouxinc.com or Mauricio Escobar by telephone at 310-879-4920 or by email at mescobar@rouxinc.com.


DJ Arellano, P.E.
July 18, 2022
Page 4

Sincerely,

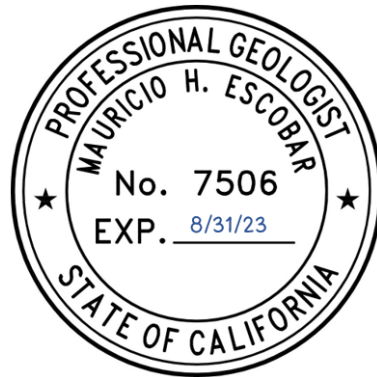
ROUX ASSOCIATES, INC.



Justin Allen
Project Scientist



Mauricio Escobar, P.G. - CA
Principal Geologist



Enclosures:

Table 1	Arsenic and Lead in Soil
Table 2	Organochlorine Pesticides in Soil
Figure 1	Site Location Map
Figure 2	Soil Boring Locations
Appendix A	Laboratory Analytical Reports

Phase II Subsurface Investigation Letter Report
29-Acre Property – Southeast Corner of Ramona Expressway and Webster Avenue
Perris, California

TABLES

1. Arsenic and Lead in Soil
2. Table 2 Organochlorine Pesticides in Soil

Table 1
Arsenic and Lead in Soil (USEPA Method 6010B)
 Ramona Expressway and Webster Avenue, Perris, California

Sample ID	Date	Arsenic	Lead
Analytical Method		USEPA 6010B	
Unit		mg/Kg	
Typical Range for California Soils		12.0*	14.3-107.9 mean = 48.5
USEPA Industrial Soil RSL		3.0	800
DTSC Commercial/Industrial Soil SL		0.36	320
1-D	6/21/2022	1.6	6.5
2-D	6/21/2022	1.6	7.6
3-D	6/21/2022	1.4	6.1
4-D	6/21/2022	1.4	7.3
5-D	6/21/2022	2.1	3.6
6-D	6/21/2022	1.4	6.6
7-D	6/21/2022	1.5	7.4
8-D	6/21/2022	2.1	4.7
9-D	6/21/2022	1.8	3.3
10-D	6/21/2022	2.5	7.7
<i>10-D-DUP</i>	6/21/2022	2.3	7.8

Note:

USEPA 6010B = United States Environmental Protection Agency Method 6010B

mg/Kg = milligrams per kilogram

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

* = Upper-bound background concentrations from Chernoff G., Bosan W., and Outiz D., DTSC, Determination of a Southern California Regional Background Arsenic Concentration in Soil

USEPA RSL = United States Environmental Protection Agency Regional

Screening Level for Industrial Soil (updated 5/2022)

DTSC SL = California Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment Note 3 Screening Level for Commercial/Industrial Soil (updated 5/2022)

Bold indicates concentration detected above laboratory reporting limits

Italicized indicates a duplicate sample

Table 2
Organochlorine Pesticides (OCPs) in Soil (USEPA Method 8081A)
 Ramona Expressway and Webster Avenue, Perris, California

Sample ID	Date	4,4'-DDE	4,4'-DDT	All Other OCPs
Analytical Method		USEPA 8081A		
Unit		µg/Kg		
USEPA Industrial Soil RSL		9,300	8,500	NS
DTSC Commercial/Industrial Soil SL		6,200	7,100	NS
1-COMP	6/21/2022	86	16	ND
2-COMP	6/21/2022	60	11	ND
3-COMP	6/21/2022	100	15	ND
4-COMP	6/21/2022	120	17	ND
5-COMP	6/21/2022	110	21	ND
6-COMP	6/21/2022	96	19	ND
7-COMP	6/21/2022	160	34	ND
8-COMP	6/21/2022	100	14	ND
9-COMP	6/21/2022	88	7.3	ND
10-COMP	6/21/2022	72	5.8	ND
<i>10-DUP-COMP</i>	6/21/2022	58	5.3	ND

Note:

USEPA 8081A = United States Environmental Protection Agency Method 8081A

µg/Kg = micrograms per kilogram

USEPA RSL = United States Environmental Protection Agency Regional Screening Level for Industrial Soil (updated 5/2022)

DTSC SL = California Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment Note 3 Screening Level for Commercial/Industrial Soil (updated 5/2022)

NS = no screening level available

Bold indicates concentration detected above laboratory reporting limits

Italicized indicates a duplicate sample

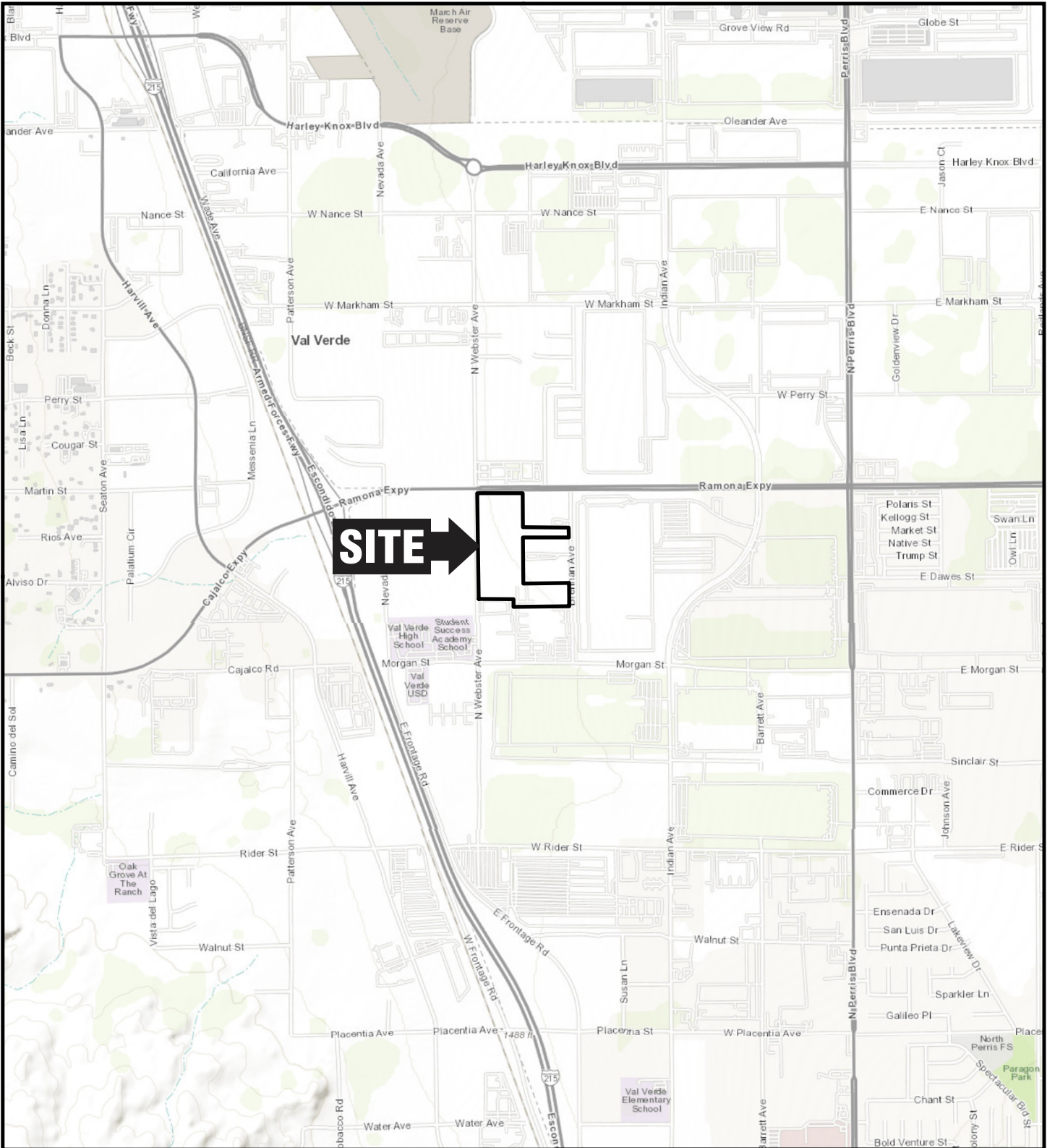
ND = Not detected above laboratory reporting limit

Phase II Subsurface Investigation Letter Report
29-Acre Property – Southeast Corner of Ramona Expressway and Webster Avenue
Perris, California

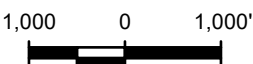
FIGURES

1. Site Location Map
2. Soil Boring Locations

\\SRVLCAPP\ILA\SHARED\CLIENTS\2968.0016 DUKE REALTY ROMONA EXP AND WEBSTER - PERRIS\09GIS\SITE LOCATION.MXD



QUADRANGLE LOCATION



Title:
SITE LOCATION MAP
 SOUTHEAST CORNER OF RAMONA EXPRESSWAY
 & WEBSTER AVENUE, PERRIS, CALIFORNIA

Prepared for:
DUKE REALTY CORPORATION

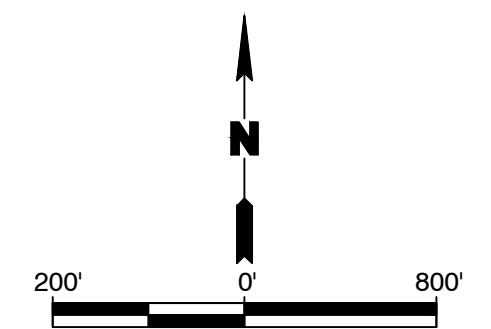
ROUX	Compiled by: O.B.	Date: 06/02/22	FIGURE 1
	Prepared by: O.B.	Scale: AS SHOWN	
	Project Mgr: J.A.	Project: 2968.0016L	
	File: Site Location.mxd		

S:\CLIENTS\29688.001616 DUKE REALTY\ROMONA EXP AND WEBSTER - PERRIS\100CAD\001_29688.001616L_SITE PLAN.DWG



LEGEND

- APPROXIMATE SITE BOUNDARY
- SOIL BORING LOCATION



Title:

SITE PLAN AND SAMPLING LOCATIONS

SOUTHEAST CORNER OF RAMONA EXPRESSWAY & WEBSTER AVENUE
PERRIS, CALIFORNIA

Prepared for:

DUKE REALTY CORPORATION

ROUX	Compiled by: A.F.	Date: 21JUNE2022	FIGURE 2
	Prepared by: A.F.	Scale: AS SHOWN	
	Project Mgr: J.A.	Project: 2968.0016L	
	File: 001_2968.0016L_SITE PLAN.DWG		

Phase II Subsurface Investigation Letter Report
29-Acre Property – Southeast Corner of Ramona Expressway and Webster Avenue
Perris, California

APPENDIX A

Laboratory Analytical Reports



ENTHALPY
ANALYTICAL

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

enthalpy.com

Lab Job Number: 464674
Report Level: II
Report Date: 06/29/2022

Analytical Report *prepared for:*

Justin Allen
Roux Associates, Inc.
5150 E. Pacific Coast Hwy.
Suite 450
Long Beach, CA 90804

Location: Duke Perris, 2986.0016L000

Authorized for release by:

Diane Galvan, Project Manager
714-771-9928
diane.galvan@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

Justin Allen
 Roux Associates, Inc.
 5150 E. Pacific Coast Hwy.
 Suite 450
 Long Beach, CA 90804

Lab Job #: 464674
 Location: Duke Perris, 2986.0016L000
 Date Received: 06/21/22

Sample ID	Lab ID	Collected	Matrix
1-A	464674-001	06/21/22 10:45	Soil
1-B	464674-002	06/21/22 10:40	Soil
1-C	464674-003	06/21/22 10:50	Soil
1-D	464674-004	06/21/22 10:35	Soil
1-COMP	464674-005	06/21/22 00:00	Soil
2-A	464674-006	06/21/22 10:20	Soil
2-B	464674-007	06/21/22 10:25	Soil
2-C	464674-008	06/21/22 10:10	Soil
2-D	464674-009	06/21/22 10:15	Soil
2-COMP	464674-010	06/21/22 00:00	Soil
3-A	464674-011	06/21/22 09:50	Soil
3-B	464674-012	06/21/22 10:00	Soil
3-C	464674-013	06/21/22 09:55	Soil
3-D	464674-014	06/21/22 09:45	Soil
3-COMP	464674-015	06/21/22 00:00	Soil
4-A	464674-016	06/21/22 09:05	Soil
4-B	464674-017	06/21/22 09:10	Soil
4-C	464674-018	06/21/22 08:55	Soil
4-D	464674-019	06/21/22 09:00	Soil
4-COMP	464674-020	06/21/22 00:00	Soil
5-A	464674-021	06/21/22 08:45	Soil
5-B	464674-022	06/21/22 08:50	Soil
5-C	464674-023	06/21/22 08:20	Soil
5-D	464674-024	06/21/22 08:25	Soil
5-COMP	464674-025	06/21/22 00:00	Soil
6-A	464674-026	06/21/22 11:00	Soil

Sample Summary

Justin Allen
 Roux Associates, Inc.
 5150 E. Pacific Coast Hwy.
 Suite 450
 Long Beach, CA 90804

Lab Job #: 464674
 Location: Duke Perris, 2986.0016L000
 Date Received: 06/21/22

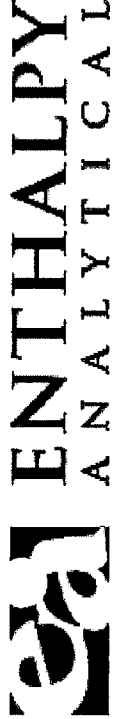
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6-C	464674-028	06/21/22 11:10	Soil
6-D	464674-029	06/21/22 11:15	Soil
6-COMP	464674-030	06/21/22 00:00	Soil
7-A	464674-031	06/21/22 09:30	Soil
7-B	464674-032	06/21/22 09:25	Soil
7-C	464674-033	06/21/22 09:15	Soil
7-D	464674-034	06/21/22 09:20	Soil
7-COMP	464674-035	06/21/22 00:00	Soil
8-A	464674-036	06/21/22 07:30	Soil
8-B	464674-037	06/21/22 07:15	Soil
8-C	464674-038	06/21/22 07:20	Soil
8-D	464674-039	06/21/22 07:35	Soil
8-COMP	464674-040	06/21/22 00:00	Soil
9-A	464674-041	06/21/22 07:10	Soil
9-B	464674-042	06/21/22 06:35	Soil
9-C	464674-043	06/21/22 06:25	Soil
9-D	464674-044	06/21/22 07:05	Soil
9-COMP	464674-045	06/21/22 00:00	Soil
10-A	464674-046	06/21/22 11:45	Soil
10-B	464674-047	06/21/22 11:50	Soil
10-C	464674-048	06/21/22 12:00	Soil
10-D	464674-049	06/21/22 12:05	Soil
10-COMP	464674-050	06/21/22 00:00	Soil
10-A-DUP	464674-051	06/21/22 11:45	Soil
10-B-DUP	464674-052	06/21/22 11:50	Soil

Sample Summary

Justin Allen
Roux Associates, Inc.
5150 E. Pacific Coast Hwy.
Suite 450
Long Beach, CA 90804

Lab Job #: 464674
Location: Duke Perris, 2986.0016L000
Date Received: 06/21/22

Sample ID	Lab ID	Collected	Matrix
10-C-DUP	464674-053	06/21/22 12:00	Soil
10-D-DUP	464674-054	06/21/22 12:05	Soil
10-DUP-COMP	464674-055	06/21/22 00:00	Soil



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

Chain of custody Record
 Lab No: 494074
 Page: 1 of 6

Turn Around Time (rush by advanced n only)
 Standard: 5 Day: 1 Day:
 3 Day: Custom TAT: X
 Preservatives:
 1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
 4 = H₂SO₄ 5 = NaOH 6 = Other
 Sample Receipt Temp: 5 91.2
 (lab use only)

CUSTOMER INFORMATION
 Company: Roux Associates, Inc.
 Report To: Justin Allen, Drew Williams
 Email: jallen@rouxinc.com; dwilliams@rouxinc.com
 Address: 5150 Pacific Coast Hwy, Suite 450, Long Beach, CA
 Phone: 714-904-4867 / 610-246-3352
 Fax: -
 Name: Duke Ferris
 Number: 2968.00161000
 P.O. #: ROU061022
 Address: Ruman Egg / Water Ave
 Global ID:
 Sampled By: Drew Williams

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

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	OCPs by USEPA Method 8081A	Lead & Arsenic by USEPA Method 6010B	Composite - see note	Company / Title	Date / Time
1- A	6/20/22	1045	S	8oz jar	-	X	X	X	Roux / Proj. Geo	6/21/22 1000
1- B		1040					X	X	Roux	6-21/22 1000
1- C		1050					X	X	Roux	6-21-22 1000
1- D		1035					X	X	Roux	6-21-22 1000
1- Comp						X			CA	6/22/22 1000
2- A		1020					X	X		
2- B		1025					X	X		
2- C		1010					X	X		
2- D		1015					X	X		
2- Comp						X				

Signature
 Relinquished By: Drew Williams
 Received By: Justin Allen
 Relinquished By: Justin Allen
 Received By: GW
 Relinquished By: GW
 Received By: GW

Enthalpy Analytical

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

Chain of Custody Record
 Lab No: 464674
 Page: 2 of 6

Turn Around Time (rush by advanced n : only)
 Standard: 3 Day:
 1 Day:
 Custom TAT:

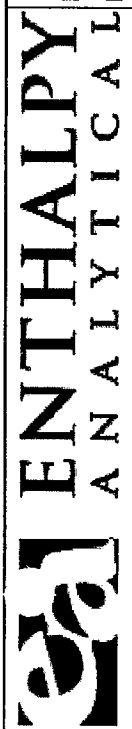
Matrix: A = Air S = Soil/Solid
 W = Water DW = Drinking Water SD = Sediment
 PP = Pure Product SEA = Sea Water
 SW = Swab T = Tissue WP = Wipe O = Other (lab use only)

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

Sample Receipt Temp:

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	Name:	Number:	P.O. #:	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	OCPS by USEPA Method 8081A	Lead & Arsenic by USEPA Method 6010B	Composite - see note	Company / Title	Date / Time		
Roux Associates, Inc.	Duke Perris	2968.0016L000	ROU061022	6/20/22	0950	S	807 JAR	-	X	X		Roux / Proj. Geo	6/21/22 1000		
Report To: Justin Allen, Drew Williams					1000				X	X		Roux	6-21-22 6000		
Email: jallen@rouxinc.com; dwilliams@rouxinc.com					0955				X	X		Roux	6-21-22 1209		
Address: 5150 Pacific Coast Hwy, Suite 450, Long Beach, CA					0945				X	X		CA	6/21/22 1621		
Phone: 714-904-4867 / 610-246-3352					-				X	X					
Fax: --					0905				X	X					
					0910				X	X					
					0855				X	X					
					0900				X	X					
					-				X	X					

Sample ID	Signature	Print Name	Company / Title	Date / Time
1 3-A	<i>[Signature]</i>	Drew Williams	Roux / Proj. Geo	6/21/22 1000
2 3-B	<i>[Signature]</i>	Justin Allen	Roux	6-21-22 6000
3 3-C	<i>[Signature]</i>	Justin Allen	Roux	6-21-22 1209
4 3-D	<i>[Signature]</i>	Justin Allen	Roux	6/21/22 1621
5 3-COMP				
6 4-A				
7 4-B				
8 4-C				
9 4-D				
10 4-COMP				



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

Chain of custody Record
 Lab No: 464674
 Page: 3 of 6

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

Standard: 5 Day: 1 Day: 3 Day: Custom TAT:
 Turn Around Time (rush by advanced n : only)

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

Sample Receipt Temp:

CUSTOMER INFORMATION

Company: Roux Associates, Inc. Name: Duke Perris
 Report To: Justin Allen, Drew Williams Number: 2968.00161000
 Email: jallen@rouxinc.com; dwilliams@rouxinc.com P.O. #: ROU061022
 Address: 5150 Pacific Coast Hwy, Suite 450, Long Beach, CA
 Address: Banana Exp/Water Ave
 Global ID: 714-904-4867 / 610-246-3352
 Sampled By: Drew Williams

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	OCPs by USEPA Method 8081A	Lead & Arsenic by USEPA Method 6010B	Composite - see note	Company / Title	Date / Time
1 5-A	06/20/22	0845	S	802JAR	-			X	Roux / Proj. Geo	6/21/22 1000
2 5-B		0850					X		Roux	6-21-22 1000
3 5-C		0820					X		Roux	6-21-22 1000
4 5-D		0825				X	X		Roux	6-21-22 1000
5 5-COMP						X	X		CA	6/21/22 1000
6 6-A		1100					X			
7 6-B		1055					X			
8 6-C		1110					X			
9 6-D		1155					X			
10 6-COMP						X	X			

Signature

1 Relinquished By: [Signature] Print Name: Drew Williams Date / Time: 6/21/22 1000
 1 Received By: [Signature] Print Name: Justin Allen Date / Time: 6-21-22 1000
 2 Relinquished By: [Signature] Print Name: Justin Allen Date / Time: 6-21-22 1000
 2 Received By: [Signature] Print Name: G. Khan Date / Time: 6/21/22 1000
 3 Relinquished By: [Signature] Print Name: G. Khan Date / Time: 6/21/22 1000
 3 Received By: [Signature] Print Name: G. Khan Date / Time: 6/21/22 1000



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

Chain of Custody Record
 Lab No: 464674
 Page: 4 of 6

Turn Around Time (rush by advanced only)
 Standard: 3 Day:
 2 Day:
 1 Day:
 Custom TAT:

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

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

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION

Company: Roux Associates, Inc. Name: Duke Perris
 Report To: Justin Allen, Drew Williams Number: 2968.00161000
 Email: jallen@rouxinc.com; dwilliams@rouxinc.com P.O. #: ROU061022
 Address: 5150 Pacific Coast Hwy, Suite 450, Long Beach, CA
 Address: Ramona Exp / Webster Ave
 Phone: 714-904-4867 / 610-246-3352 Global ID:
 Fax: -- Sampled By: Drew Williams

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	OCPs by USEPA Method 8081A	Lead & Arsenic by USEPA Method 6010B	Composite - see note	Company / Title	Date / Time
7-A	06/20/22	0930	S	80Z JAR	-			X	Roux / Proj. Geol	6/21/22 1000
7-B		0925					X	X	Roux	6/21/22 1000
7-C		0915					X	X	Roux	6/21/22 1000
7-D		0920				X	X	X	Roux	6/21/22 1000
7-COMP		-				X	X	X	Roux	6/21/22 1000
8-A		0730					X	X	Roux	6/21/22 1000
8-B		0715					X	X	Roux	6/21/22 1000
8-C		0720					X	X	Roux	6/21/22 1000
8-D		0735					X	X	Roux	6/21/22 1000
8-COMP		-				X	X	X	Roux	6/21/22 1000

Signature

1 Relinquished By: [Signature] Print Name: Drew Williams
 1 Received By: [Signature] Print Name: Justin A
 2 Relinquished By: [Signature] Print Name: Justin A
 2 Received By: [Signature] Print Name: C Khan
 3 Relinquished By: [Signature] Print Name: C Khan
 3 Received By: [Signature] Print Name: C Khan



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

Chain: **istory Record**
 Lab No: **464674**
 Page: **5** of **6**

Turn Around Time (rush by advanced n : only)
 Standard: 5 Day: 3 Day: X
 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 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
 4 = H₂SO₄ 5 = NaOH 6 = Other

Sample Receipt Temp:
 (lab use only)

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	Name:	Duke Perris		Matrix:	Container No. / Size	Pres.		OCs by USEPA Method 8081A	Lead & Arsenic by USEPA Method 6010B	Composite - see note					
Roux Associates, Inc.	Justin Allen, Drew Williams	2968.00161.000	ROU061022	W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other											
Report To:	5:150 Pacific Coast Hwy, Suite 450, Long Beach, CA														
Phone:	714-904-4867 / 610-246-3352														
Fax:															
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.										
1	06/20/22	0710	S	802 JAR	-										
2		0635												g - COMP	
3		0625													
4		0705													
5		-													
6		1145													
7		1150													
8		1200													
9		1205													
10		-												10 - COMP	

Signature	Print Name	Company / Title	Date / Time
<i>[Signature]</i>	Drew Williams	Roux / Proj. Geo	6/21/22 1000
<i>[Signature]</i>	Justin Allen	Roux	6-21-22 6000
<i>[Signature]</i>	Justin Allen	Roux	6-21-22 6005
<i>[Signature]</i>	Chris	Roux	6/21/22 1034

Enthalpy Analytical

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

Chain of custody Record
 Lab No: 464674
 Page: 6 of 6

Turn Around Time (rush by advanced n : only)
 Standard: 3 Day: X
 2 Day:
 1 Day:
 Custom TAT:

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

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

Sample Receipt Temp:

CUSTOMER INFORMATION				PROJECT INFORMATION			
Company:	Roux Associates, Inc.	Name:	Duke Perris				
Report To:	Justin Allen, Drew Williams	Number:	2968-0016L000				
Email:	jallen@rouxinc.com; dwilliams@rouxinc.com	P.O. #:	ROU061022				
Address:	5150 Pacific Coast Hwy, Suite 450, Long Beach, CA	Address:	<i>Ramon Esp / Nelson Ave</i>				
Phone:	714-904-4867 / 610-246-3352	Global ID:					
Fax:	--	Sampled By:	<i>Drew Williams</i>				

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request	Test Instructions / Comments
1 10-A-DUP	06/20/22	1145	S	803 JAR	-	OCPS by USEPA Method 8081A Lead & Arsenic by USEPA Method 6010B Composite - see note	
2 10-B-DUP		1150					
3 10-C-DUP		1200					
4 10-D-DUP		1205					
5 10-PRE-COMP		-			X		10-COMP-DUP
6							
7							
8							
9							
10							

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	<i>[Signature]</i>	<i>Drew Williams</i>	<i>Roux / Proj. Coor.</i>	<i>6/21/22 1000</i>
1 Received By:	<i>[Signature]</i>	<i>Justin A</i>	<i>R</i>	<i>6-21-22 6000</i>
2 Relinquished By:	<i>[Signature]</i>	<i>Justin A</i>	<i>R</i>	<i>6-21-22 1205</i>
2 Received By:	<i>[Signature]</i>	<i>Steve</i>	<i>CA</i>	<i>6/21/22 6000</i>
3 Relinquished By:				
3 Received By:				



ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: Roux Project: Duke Perris
 Date Received: 6/21/22 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: 5.9 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
 Shipping Information: _____

Section 3
 Was the cooler packed with: Ice Ice Packs Bubble Wrap Styrofoam
 Paper None Other _____
 Cooler Temp (°C): #1: 5.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>		
Are sample IDs present?	<input checked="" type="checkbox"/>		
Are sampling dates & times present?	<input checked="" type="checkbox"/>		
Is a relinquished signature present?	<input checked="" type="checkbox"/>		
Are the tests required clearly indicated on the COC?	<input checked="" type="checkbox"/>		
Are custody seals present?		<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:  Date: 6/21/22

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www.enthalpy.com/socal

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

Analysis Results for 464674

Justin Allen
 Roux Associates, Inc.
 5150 E. Pacific Coast Hwy.
 Suite 450
 Long Beach, CA 90804

Lab Job #: 464674
 Location: Duke Perris, 2986.0016L000
 Date Received: 06/21/22

Sample ID: 1-D Lab ID: 464674-004 Collected: 06/21/22 10:35
Matrix: Soil

464674-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	1.6		mg/Kg	0.98	0.98	291768	06/23/22	06/25/22	KLN
Lead	6.5		mg/Kg	0.98	0.98	291768	06/23/22	06/25/22	KLN

Sample ID: 1-COMP Lab ID: 464674-005 Collected: 06/21/22
Matrix: Soil

464674-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
beta-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
gamma-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
delta-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Heptachlor	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Aldrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Heptachlor epoxide	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endosulfan I	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Dieldrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
4,4'-DDE	86		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endosulfan II	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endosulfan sulfate	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
4,4'-DDD	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endrin aldehyde	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endrin ketone	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
4,4'-DDT	16		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Methoxychlor	ND		ug/Kg	10	1	291757	06/23/22	06/28/22	TRN
Toxaphene	ND		ug/Kg	100	1	291757	06/23/22	06/28/22	TRN
Chlordane (Technical)	ND		ug/Kg	51	1	291757	06/23/22	06/28/22	TRN
Surrogates				Limits					
TCMX	60%		%REC	23-120	1	291757	06/23/22	06/28/22	TRN
Decachlorobiphenyl	50%		%REC	24-120	1	291757	06/23/22	06/28/22	TRN

Analysis Results for 464674

Sample ID: 2-D	Lab ID: 464674-009	Collected: 06/21/22 10:15
Matrix: Soil		

464674-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Arsenic	1.6		mg/Kg	0.84	0.84	291768	06/23/22	06/25/22	KLN
Lead	7.6		mg/Kg	0.84	0.84	291768	06/23/22	06/25/22	KLN

Sample ID: 2-COMP	Lab ID: 464674-010	Collected: 06/21/22
Matrix: Soil		

464674-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
beta-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
gamma-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
delta-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Heptachlor	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Aldrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Heptachlor epoxide	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endosulfan I	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Dieldrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
4,4'-DDE	60	C	ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endosulfan II	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endosulfan sulfate	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
4,4'-DDD	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endrin aldehyde	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Endrin ketone	ND		ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
4,4'-DDT	11	C	ug/Kg	5.1	1	291757	06/23/22	06/28/22	TRN
Methoxychlor	ND		ug/Kg	10	1	291757	06/23/22	06/28/22	TRN
Toxaphene	ND		ug/Kg	100	1	291757	06/23/22	06/28/22	TRN
Chlordane (Technical)	ND		ug/Kg	51	1	291757	06/23/22	06/28/22	TRN
Surrogates	Limits								
TCMX	42%		%REC	23-120	1	291757	06/23/22	06/28/22	TRN
Decachlorobiphenyl	38%		%REC	24-120	1	291757	06/23/22	06/28/22	TRN

Analysis Results for 464674

Sample ID: 3-D	Lab ID: 464674-014	Collected: 06/21/22 09:45
Matrix: Soil		

464674-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Arsenic	1.4		mg/Kg	0.86	0.86	291768	06/23/22	06/25/22	KLN
Lead	6.1		mg/Kg	0.86	0.86	291768	06/23/22	06/25/22	KLN

Sample ID: 3-COMP	Lab ID: 464674-015	Collected: 06/21/22
Matrix: Soil		

464674-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
beta-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
gamma-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
delta-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Heptachlor	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Aldrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Heptachlor epoxide	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endosulfan I	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Dieldrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
4,4'-DDE	100		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endosulfan II	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endosulfan sulfate	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
4,4'-DDD	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endrin aldehyde	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endrin ketone	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
4,4'-DDT	15		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Methoxychlor	ND		ug/Kg	10	1	291757	06/23/22	06/29/22	TRN
Toxaphene	ND		ug/Kg	100	1	291757	06/23/22	06/29/22	TRN
Chlordane (Technical)	ND		ug/Kg	51	1	291757	06/23/22	06/29/22	TRN
Surrogates	Limits								
TCMX	68%		%REC	23-120	1	291757	06/23/22	06/29/22	TRN
Decachlorobiphenyl	58%		%REC	24-120	1	291757	06/23/22	06/29/22	TRN

Analysis Results for 464674

Sample ID: 4-D	Lab ID: 464674-019	Collected: 06/21/22 09:00
	Matrix: Soil	

464674-019 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Arsenic	1.4		mg/Kg	1.0	1	291768	06/23/22	06/25/22	KLN
Lead	7.3		mg/Kg	1.0	1	291768	06/23/22	06/25/22	KLN

Sample ID: 4-COMP	Lab ID: 464674-020	Collected: 06/21/22
	Matrix: Soil	

464674-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
beta-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
gamma-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
delta-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Heptachlor	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Aldrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan I	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Dieldrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDE	120		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan II	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin ketone	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDT	17		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Methoxychlor	ND		ug/Kg	10	1	291757	06/23/22	06/29/22	TRN
Toxaphene	ND		ug/Kg	100	1	291757	06/23/22	06/29/22	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	291757	06/23/22	06/29/22	TRN
Surrogates				Limits					
TCMX	68%		%REC	23-120	1	291757	06/23/22	06/29/22	TRN
Decachlorobiphenyl	58%		%REC	24-120	1	291757	06/23/22	06/29/22	TRN

Analysis Results for 464674

Sample ID: 5-D	Lab ID: 464674-024	Collected: 06/21/22 08:25
	Matrix: Soil	

464674-024 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Arsenic	2.1		mg/Kg	0.92	0.92	291768	06/23/22	06/25/22	KLN
Lead	3.6		mg/Kg	0.92	0.92	291768	06/23/22	06/25/22	KLN

Sample ID: 5-COMP	Lab ID: 464674-025	Collected: 06/21/22
	Matrix: Soil	

464674-025 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
beta-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
gamma-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
delta-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Heptachlor	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Aldrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Heptachlor epoxide	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endosulfan I	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Dieldrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
4,4'-DDE	110		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endosulfan II	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endosulfan sulfate	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
4,4'-DDD	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endrin aldehyde	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endrin ketone	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
4,4'-DDT	21		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Methoxychlor	ND		ug/Kg	10	1	291757	06/23/22	06/29/22	TRN
Toxaphene	ND		ug/Kg	100	1	291757	06/23/22	06/29/22	TRN
Chlordane (Technical)	ND		ug/Kg	51	1	291757	06/23/22	06/29/22	TRN
Surrogates				Limits					
TCMX	66%		%REC	23-120	1	291757	06/23/22	06/29/22	TRN
Decachlorobiphenyl	57%		%REC	24-120	1	291757	06/23/22	06/29/22	TRN

Analysis Results for 464674

Sample ID: 6-D	Lab ID: 464674-029	Collected: 06/21/22 11:15
	Matrix: Soil	

464674-029 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Arsenic	1.4		mg/Kg	1.0	1	291768	06/23/22	06/25/22	KLN
Lead	6.6		mg/Kg	1.0	1	291768	06/23/22	06/25/22	KLN

Sample ID: 6-COMP	Lab ID: 464674-030	Collected: 06/21/22
	Matrix: Soil	

464674-030 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
beta-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
gamma-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
delta-BHC	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Heptachlor	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Aldrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Heptachlor epoxide	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endosulfan I	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Dieldrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
4,4'-DDE	96		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endrin	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endosulfan II	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endosulfan sulfate	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
4,4'-DDD	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endrin aldehyde	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Endrin ketone	ND		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
4,4'-DDT	19		ug/Kg	5.1	1	291757	06/23/22	06/29/22	TRN
Methoxychlor	ND		ug/Kg	10	1	291757	06/23/22	06/29/22	TRN
Toxaphene	ND		ug/Kg	100	1	291757	06/23/22	06/29/22	TRN
Chlordane (Technical)	ND		ug/Kg	51	1	291757	06/23/22	06/29/22	TRN
Surrogates				Limits					
TCMX	63%		%REC	23-120	1	291757	06/23/22	06/29/22	TRN
Decachlorobiphenyl	57%		%REC	24-120	1	291757	06/23/22	06/29/22	TRN

Analysis Results for 464674

Sample ID: 7-D	Lab ID: 464674-034	Collected: 06/21/22 09:20
	Matrix: Soil	

464674-034 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Arsenic	1.5		mg/Kg	1.1	1.1	291939	06/27/22	06/27/22	KLN
Lead	7.4		mg/Kg	1.1	1.1	291939	06/27/22	06/27/22	KLN

Sample ID: 7-COMP	Lab ID: 464674-035	Collected: 06/21/22
	Matrix: Soil	

464674-035 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
beta-BHC	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
gamma-BHC	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
delta-BHC	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
Heptachlor	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
Aldrin	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
Endosulfan I	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
Dieldrin	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
4,4'-DDE	160		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
Endrin	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
Endosulfan II	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
4,4'-DDD	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
Endrin aldehyde	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
Endrin ketone	ND		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
4,4'-DDT	34		ug/Kg	5.0	0.99	291757	06/23/22	06/29/22	TRN
Methoxychlor	ND		ug/Kg	9.9	0.99	291757	06/23/22	06/29/22	TRN
Toxaphene	ND		ug/Kg	99	0.99	291757	06/23/22	06/29/22	TRN
Chlordane (Technical)	ND		ug/Kg	50	0.99	291757	06/23/22	06/29/22	TRN
Surrogates				Limits					
TCMX	75%		%REC	23-120	0.99	291757	06/23/22	06/29/22	TRN
Decachlorobiphenyl	70%		%REC	24-120	0.99	291757	06/23/22	06/29/22	TRN

Analysis Results for 464674

Sample ID: 8-D	Lab ID: 464674-039	Collected: 06/21/22 07:35
Matrix: Soil		

464674-039 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Arsenic	2.1		mg/Kg	0.99	0.99	291939	06/27/22	06/27/22	KLN
Lead	4.7		mg/Kg	0.99	0.99	291939	06/27/22	06/27/22	KLN

Sample ID: 8-COMP	Lab ID: 464674-040	Collected: 06/21/22
Matrix: Soil		

464674-040 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
beta-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
gamma-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
delta-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Heptachlor	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Aldrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan I	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Dieldrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDE	100		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan II	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin ketone	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDT	14		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Methoxychlor	ND		ug/Kg	10	1	291757	06/23/22	06/29/22	TRN
Toxaphene	ND		ug/Kg	100	1	291757	06/23/22	06/29/22	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	291757	06/23/22	06/29/22	TRN
Surrogates	Limits								
TCMX	70%		%REC	23-120	1	291757	06/23/22	06/29/22	TRN
Decachlorobiphenyl	61%		%REC	24-120	1	291757	06/23/22	06/29/22	TRN

Analysis Results for 464674

Sample ID: 9-D	Lab ID: 464674-044	Collected: 06/21/22 07:05
Matrix: Soil		

464674-044 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Arsenic	1.8		mg/Kg	0.97	0.97	291939	06/27/22	06/27/22	KLN
Lead	3.3		mg/Kg	0.97	0.97	291939	06/27/22	06/27/22	KLN

Sample ID: 9-COMP	Lab ID: 464674-045	Collected: 06/21/22
Matrix: Soil		

464674-045 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
beta-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
gamma-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
delta-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Heptachlor	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Aldrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan I	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Dieldrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDE	88		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan II	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin ketone	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDT	7.3		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Methoxychlor	ND		ug/Kg	10	1	291757	06/23/22	06/29/22	TRN
Toxaphene	ND		ug/Kg	100	1	291757	06/23/22	06/29/22	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	291757	06/23/22	06/29/22	TRN
Surrogates	Limits								
TCMX	66%		%REC	23-120	1	291757	06/23/22	06/29/22	TRN
Decachlorobiphenyl	56%		%REC	24-120	1	291757	06/23/22	06/29/22	TRN

Analysis Results for 464674

Sample ID: 10-D	Lab ID: 464674-049	Collected: 06/21/22 12:05
Matrix: Soil		

464674-049 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Arsenic	2.5		mg/Kg	0.88	0.88	291939	06/27/22	06/27/22	KLN
Lead	7.7		mg/Kg	0.88	0.88	291939	06/27/22	06/27/22	KLN

Sample ID: 10-COMP	Lab ID: 464674-050	Collected: 06/21/22
Matrix: Soil		

464674-050 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
beta-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
gamma-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
delta-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Heptachlor	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Aldrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan I	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Dieldrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDE	72		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan II	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin ketone	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDT	5.8		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Methoxychlor	ND		ug/Kg	10	1	291757	06/23/22	06/29/22	TRN
Toxaphene	ND		ug/Kg	100	1	291757	06/23/22	06/29/22	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	291757	06/23/22	06/29/22	TRN
Surrogates				Limits					
TCMX	69%		%REC	23-120	1	291757	06/23/22	06/29/22	TRN
Decachlorobiphenyl	63%		%REC	24-120	1	291757	06/23/22	06/29/22	TRN

Analysis Results for 464674

Sample ID: 10-D-DUP	Lab ID: 464674-054	Collected: 06/21/22 12:05
	Matrix: Soil	

464674-054 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Arsenic	2.3		mg/Kg	1.0	1	291939	06/27/22	06/27/22	KLN
Lead	7.8		mg/Kg	1.0	1	291939	06/27/22	06/27/22	KLN

Sample ID: 10-DUP-COMP	Lab ID: 464674-055	Collected: 06/21/22
	Matrix: Soil	

464674-055 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A									
Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
beta-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
gamma-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
delta-BHC	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Heptachlor	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Aldrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan I	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Dieldrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDE	58		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan II	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Endrin ketone	ND		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
4,4'-DDT	5.3		ug/Kg	5.0	1	291757	06/23/22	06/29/22	TRN
Methoxychlor	ND		ug/Kg	10	1	291757	06/23/22	06/29/22	TRN
Toxaphene	ND		ug/Kg	100	1	291757	06/23/22	06/29/22	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	291757	06/23/22	06/29/22	TRN
Surrogates				Limits					
TCMX	56%		%REC	23-120	1	291757	06/23/22	06/29/22	TRN
Decachlorobiphenyl	50%		%REC	24-120	1	291757	06/23/22	06/29/22	TRN

C Presence confirmed, but RPD between columns exceeds 40%
 ND Not Detected

Batch QC

Type: Blank	Lab ID: QC996646	Batch: 291768
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC996646 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	06/23/22	06/25/22
Lead	ND		mg/Kg	1.0	06/23/22	06/25/22

Type: Lab Control Sample	Lab ID: QC996647	Batch: 291768
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC996647 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	98.20	100.0	mg/Kg	98%		80-120
Lead	102.3	100.0	mg/Kg	102%		80-120

Type: Matrix Spike	Lab ID: QC996648	Batch: 291768
Matrix (Source ID): Soil (464665-012)	Method: EPA 6010B	Prep Method: EPA 3050B

QC996648 Analyte	Source Sample		Spiked	Units	Recovery	Qual	Limits	DF
	Result	Result						
Arsenic	91.01	9.291	84.75	mg/Kg	96%		75-125	0.85
Lead	84.45	4.232	84.75	mg/Kg	95%		75-125	0.85

Type: Matrix Spike Duplicate	Lab ID: QC996649	Batch: 291768
Matrix (Source ID): Soil (464665-012)	Method: EPA 6010B	Prep Method: EPA 3050B

QC996649 Analyte	Source Sample		Spiked	Units	Recovery	Qual	Limits	RPD		DF
	Result	Result						RPD	Lim	
Arsenic	103.4	9.291	90.91	mg/Kg	104%		75-125	6	35	0.91
Lead	94.81	4.232	90.91	mg/Kg	100%		75-125	5	20	0.91

Type: Blank	Lab ID: QC997224	Batch: 291939
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC997224 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	06/27/22	06/27/22
Lead	ND		mg/Kg	1.0	06/27/22	06/27/22

Type: Lab Control Sample	Lab ID: QC997225	Batch: 291939
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC997225 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	109.2	100.0	mg/Kg	109%		80-120
Lead	113.9	100.0	mg/Kg	114%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC997226	Batch: 291939
Matrix (Source ID): Soil (464719-004)	Method: EPA 6010B	Prep Method: EPA 3050B

QC997226 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	107.7	0.9456	92.59	mg/Kg	115%		75-125	0.93
Lead	107.5	2.203	92.59	mg/Kg	114%		75-125	0.93

Type: Matrix Spike Duplicate	Lab ID: QC997227	Batch: 291939
Matrix (Source ID): Soil (464719-004)	Method: EPA 6010B	Prep Method: EPA 3050B

QC997227 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	121.3	0.9456	101.0	mg/Kg	119%		75-125	3	35	1
Lead	120.2	2.203	101.0	mg/Kg	117%		75-125	3	20	1

Type: Blank	Lab ID: QC996593	Batch: 291757
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546

QC996593 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	06/23/22	06/28/22
beta-BHC	ND		ug/Kg	5.0	06/23/22	06/28/22
gamma-BHC	ND		ug/Kg	5.0	06/23/22	06/28/22
delta-BHC	ND		ug/Kg	5.0	06/23/22	06/28/22
Heptachlor	ND		ug/Kg	5.0	06/23/22	06/28/22
Aldrin	ND		ug/Kg	5.0	06/23/22	06/28/22
Heptachlor epoxide	ND		ug/Kg	5.0	06/23/22	06/28/22
Endosulfan I	ND		ug/Kg	5.0	06/23/22	06/28/22
Dieldrin	ND		ug/Kg	5.0	06/23/22	06/28/22
4,4'-DDE	ND		ug/Kg	5.0	06/23/22	06/28/22
Endrin	ND		ug/Kg	5.0	06/23/22	06/28/22
Endosulfan II	ND		ug/Kg	5.0	06/23/22	06/28/22
Endosulfan sulfate	ND		ug/Kg	5.0	06/23/22	06/28/22
4,4'-DDD	ND		ug/Kg	5.0	06/23/22	06/28/22
Endrin aldehyde	ND		ug/Kg	5.0	06/23/22	06/28/22
Endrin ketone	ND		ug/Kg	5.0	06/23/22	06/28/22
4,4'-DDT	ND		ug/Kg	5.0	06/23/22	06/28/22
Methoxychlor	ND		ug/Kg	10	06/23/22	06/28/22
Toxaphene	ND		ug/Kg	100	06/23/22	06/28/22
Chlordane (Technical)	ND		ug/Kg	50	06/23/22	06/28/22
Surrogates				Limits		
TCMX	68%		%REC	23-120	06/23/22	06/28/22
Decachlorobiphenyl	71%		%REC	24-120	06/23/22	06/28/22

Batch QC

Type: Lab Control Sample	Lab ID: QC996594	Batch: 291757
Matrix: Soil	Method: EPA 8081A	Prep Method: EPA 3546

QC996594 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	35.31	50.00	ug/Kg	71%		22-129
beta-BHC	33.76	50.00	ug/Kg	68%		28-125
gamma-BHC	34.15	50.00	ug/Kg	68%		22-128
delta-BHC	36.72	50.00	ug/Kg	73%		24-131
Heptachlor	34.77	50.00	ug/Kg	70%		18-124
Aldrin	30.74	50.00	ug/Kg	61%		23-120
Heptachlor epoxide	38.86	50.00	ug/Kg	78%		26-120
Endosulfan I	37.94	50.00	ug/Kg	76%		25-126
Dieldrin	34.15	50.00	ug/Kg	68%		23-124
4,4'-DDE	35.02	50.00	ug/Kg	70%		28-121
Endrin	40.54	50.00	ug/Kg	81%		25-127
Endosulfan II	34.96	50.00	ug/Kg	70%		29-121
Endosulfan sulfate	35.77	50.00	ug/Kg	72%		30-121
4,4'-DDD	38.38	50.00	ug/Kg	77%		26-120
Endrin aldehyde	24.27	50.00	ug/Kg	49%		10-120
Endrin ketone	34.02	50.00	ug/Kg	68%		28-125
4,4'-DDT	33.36	50.00	ug/Kg	67%		22-125
Methoxychlor	39.06	50.00	ug/Kg	78%		28-130
Surrogates						
TCMX	32.24	50.00	ug/Kg	64%		23-120
Decachlorobiphenyl	33.38	50.00	ug/Kg	67%		24-120

Batch QC

Type: Matrix Spike	Lab ID: QC996595	Batch: 291757
Matrix (Source ID): Soil (464581-002)	Method: EPA 8081A	Prep Method: EPA 3546

QC996595 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	31.42	ND	50.00	ug/Kg	63%		46-120	1
beta-BHC	29.87	ND	50.00	ug/Kg	60%		41-120	1
gamma-BHC	30.45	ND	50.00	ug/Kg	61%		41-120	1
delta-BHC	35.26	ND	50.00	ug/Kg	71%		38-123	1
Heptachlor	31.58	ND	50.00	ug/Kg	63%		39-120	1
Aldrin	29.25	ND	50.00	ug/Kg	59%		34-120	1
Heptachlor epoxide	35.97	ND	50.00	ug/Kg	72%		43-120	1
Endosulfan I	33.02	ND	50.00	ug/Kg	66%		45-120	1
Dieldrin	31.58	ND	50.00	ug/Kg	63%		45-120	1
4,4'-DDE	48.05	7.361	50.00	ug/Kg	81%		34-120	1
Endrin	34.54	ND	50.00	ug/Kg	69%		40-120	1
Endosulfan II	31.03	ND	50.00	ug/Kg	62%		41-120	1
Endosulfan sulfate	32.68	ND	50.00	ug/Kg	65%		42-120	1
4,4'-DDD	33.71	ND	50.00	ug/Kg	67%		41-120	1
Endrin aldehyde	29.89	ND	50.00	ug/Kg	60%		30-120	1
Endrin ketone	30.47	ND	50.00	ug/Kg	61%		45-120	1
4,4'-DDT	37.57	2.368	50.00	ug/Kg	70%		35-127	1
Methoxychlor	37.41	ND	50.00	ug/Kg	75%		42-136	1
Surrogates								
TCMX	29.18		50.00	ug/Kg	58%		23-120	1
Decachlorobiphenyl	30.19		50.00	ug/Kg	60%		24-120	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC996596	Batch: 291757
Matrix (Source ID): Soil (464581-002)	Method: EPA 8081A	Prep Method: EPA 3546

QC996596 Analyte	Result	Source Sample	Spiked	Units	Recovery	Qual	Limits	RPD		DF
		Result						RPD	Lim	
alpha-BHC	37.40	ND	50.00	ug/Kg	75%		46-120	17	30	1
beta-BHC	35.35	ND	50.00	ug/Kg	71%		41-120	17	30	1
gamma-BHC	36.30	ND	50.00	ug/Kg	73%		41-120	18	30	1
delta-BHC	41.85	ND	50.00	ug/Kg	84%		38-123	17	30	1
Heptachlor	37.80	ND	50.00	ug/Kg	76%		39-120	18	30	1
Aldrin	34.52	ND	50.00	ug/Kg	69%		34-120	17	30	1
Heptachlor epoxide	42.82	ND	50.00	ug/Kg	86%		43-120	17	30	1
Endosulfan I	37.77	ND	50.00	ug/Kg	76%		45-120	13	30	1
Dieldrin	38.25	ND	50.00	ug/Kg	76%		45-120	19	30	1
4,4'-DDE	45.48	7.361	50.00	ug/Kg	76%		34-120	5	30	1
Endrin	41.54	ND	50.00	ug/Kg	83%		40-120	18	30	1
Endosulfan II	36.16	ND	50.00	ug/Kg	72%		41-120	15	30	1
Endosulfan sulfate	37.74	ND	50.00	ug/Kg	75%		42-120	14	30	1
4,4'-DDD	38.73	ND	50.00	ug/Kg	77%		41-120	14	30	1
Endrin aldehyde	34.66	ND	50.00	ug/Kg	69%		30-120	15	30	1
Endrin ketone	34.15	ND	50.00	ug/Kg	68%		45-120	11	30	1
4,4'-DDT	44.69	2.368	50.00	ug/Kg	85%		35-127	17	30	1
Methoxychlor	41.82	ND	50.00	ug/Kg	84%		42-136	11	30	1
Surrogates										
TCMX	34.53		50.00	ug/Kg	69%		23-120			1
Decachlorobiphenyl	33.64		50.00	ug/Kg	67%		24-120			1

ND Not Detected