

# Appendix E

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Phase II Environmental Site Assessment



**GeoTek, Inc.**  
1548 North Maple Street, Corona, California 92878  
(951) 710-1160 Office (951) 710-1167 Fax [www.geotekusa.com](http://www.geotekusa.com)

February 25, 2022  
Project No. 2982-CR

**Frontier Enterprises**  
2151 East Convention Center Way, Suite 114  
Ontario, California 91764

Attention: Mr. Tim Nguyen

Subject: **Limited Phase II Environmental Site Assessment**  
17747, 17759, 17795 and 17797 Foothill Boulevard  
Fontana, San Bernardino County, California 92335

Reference: Page 3

Dear Mr. Nguyen:

As requested, GeoTek, Inc. (GEO TEK) conducted a Limited Phase II Environmental Site Assessment (ESA) for the subject property, comprised of approximately 6.99 acres, located in Fontana, San Bernardino County, California (see Figure 1). Based on readily available historic information (GEO TEK, 2022), the Site appears to have historically been utilized for agriculture from at least 1938 to at least 1949. As such, it was recommended to perform some limited pesticide testing (GEO TEK, 2022).

### **Field Work**

In order to address the potential concern regarding historic agricultural use and possible pesticide use, GEO TEK collected seven (7) soil samples from a depth of up to approximately one to six inches below the existing ground surface and submitted for analysis of organo-chlorinated pesticides (OCP) in accordance with United States Environmental Protection Agency (EPA) Method 8081A and arsenic in accordance with EPA Method 6010B.

**Soil Laboratory Test Results**

Analysis of the soil samples detected measurable quantities of the OCP constituent DDE in one (1) of the soil samples collected. The applicable results of the laboratory analysis are summarized in the following table:

**TABLE I  
 OCP SUMMARY ANALYTICAL RESULTS**

Sample	4, 4' DDE (ug/kg)
O1	<10
O2	<10
O3	<10
O4	14
O5	<20
O6	<20
O7	<20
<b>Screening Level</b>	<b>2000*</b>

ug/kg = micrograms per kilogram  
 \* = EPA Regional Screening Levels (RSLs) for residential soil (November 2021)

The detected OCP constituents are all in a concentration well below the screening level for residential soils, as determined by EPA Regional Screening Level (RSL) for residential soil, May 2021 (TR=1E-06, HQ=1.0). Analysis of the remaining OCP constituents in the soil samples tested were below EPA screening levels for residential soils.

Analysis of the soil samples detected measurable quantities of arsenic in eleven (11) of the soil samples tested and collected from the Site. The applicable results of the laboratory analysis are summarized in the following table:

**TABLE 2  
 ARSENIC SUMMARY ANALYTICAL RESULTS**

Sample	Arsenic (mg/kg)
A1	5.6
A2	5.3
A3	4.2
A4	6.2
A5	<2.0
A6	2.4
A7	3.8
<b>Adjusted Screening Level for California</b>	<b>12.0*</b>

mg/kg = milligrams per kilogram  
 \* = EPA Screening Levels (RSLs) for residential soil in California



EPA and the Department of Toxic Substance Control (DTSC) have acknowledged that naturally occurring arsenic in southern California typically exceeds the maximum, with levels recorded up to 12mg/kg in many areas (<https://www.dtsc.ca.gov/upload/Background-Arsenic.pdf>). Therefore, it is our opinion that the arsenic detected in samples A1, A2, A3, A4, A6 and A7 are not the result of environmental contamination but is naturally occurring.

The laboratory report and Chain-of-Custody documentations are included in Appendix F.

### **Closure**

Based on the laboratory testing completed, there appears to be minor amounts of the OCP constituents, as well as minor concentrations of arsenic. However, the detectable quantities are below the residential screening limits for residential soil. Based on this limited testing, there are no obvious sources of near surface contamination as a result of the previous pesticide use on this Site. Therefore, it is our opinion that additional investigation is not warranted at this time.

We appreciate this opportunity to be of service. If you have any questions, or if we can be of further service, please contact us at (951) 710-1160.

Respectfully Submitted,  
**GEOTEK, INC.**



Edward H. LaMont  
CEG No. 1892, Exp. 07/31/22  
Principal Geologist

J. Michael Batten, CEM, REPA  
Environmental Services Manager  
Registered Environmental Property  
Assessor No. 113162  
Expires 06/15/2021

Anna M. Scott  
Project Geologist

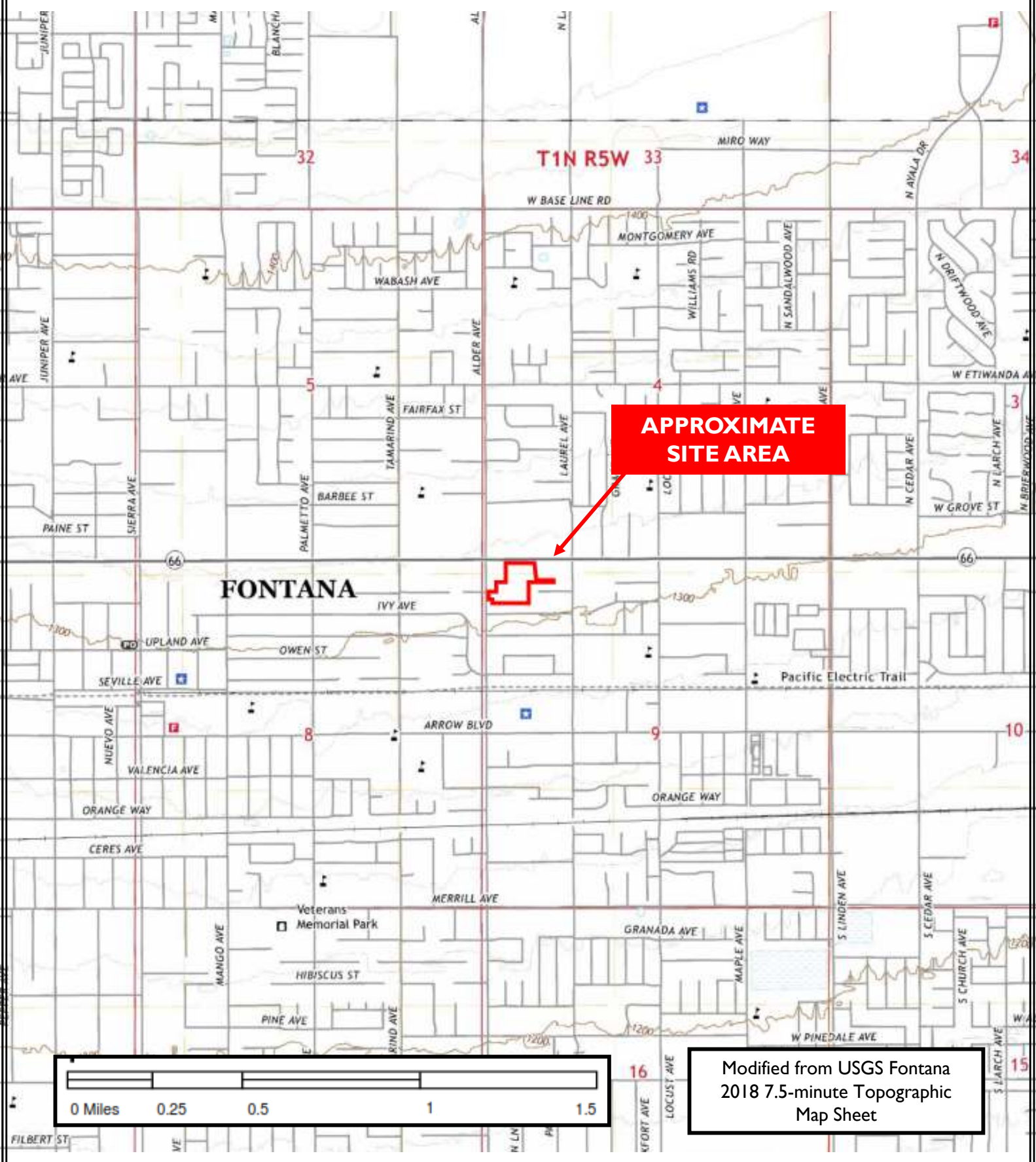
Gabriela Pocius  
Staff Geologist

Attachments: Figure 1: Site Location and Topography Map  
Figure 2: Sample Location Map  
Laboratory Report

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**REFERENCE**

GEOtek, 2021, "Phase I Environmental Site Assessment, 17747, 17759, 17795 and 17797 Foothill Boulevard, City of Fontana, San Bernardino County, California", GEOtek Project No. 2982-CR, dated February 25.



**APPROXIMATE  
SITE AREA**

Modified from USGS Fontana  
2018 7.5-minute Topographic  
Map Sheet

**Frontier Enterprises**  
17747, 17759, 17795 and 17797 Foothill  
Boulevard  
Fontana, San Bernardino County, California

Project No. 2782-CR



**Figure 1**  
**Site Location  
and  
Topography  
Map**





342 ft

**Frontier Enterprises**  
 17747, 17759, 17795 and 17797 Foothill  
 Boulevard  
 Fontana, San Bernardino County, California  
**GeoTek Project No. 2982-CR**



**Legend**

- / Site Boundary
- A7 Arsenic Sample Location
- O7 OCP Sample Location

**Figure 2**  
 Sample Location Map





**Orange Coast Analytical, Inc.**

3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067  
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

**LABORATORY REPORT FORM**

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576

Expiration Date: 2023

Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:

Mark Noorani

Client: GeoTek, Inc.

Laboratory Reference: GTK 26623

Project Name: Foothill - Fontana

Project Number: 2982-CR

Date Received: 12/22/2021

Date Reported: 1/4/2022

Chain of Custody Received:

Analytical Method: 8081A, 6010B,

Mark Noorani, Laboratory Director

Ms. Gabriela Pocius  
GeoTek, Inc.  
1548 N. Maple St  
Corona, CA, 92880

Lab Reference #: GTK 26623  
Project Name: Foothill - Fontana  
Project #: 2982-CR

### ***Case Narrative***

#### **Sample Receipt:**

All samples on the Chain of Custody were received by OCA at 4°C, on ice.

#### **Holding Times:**

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

#### **Analytical Methods:**

Sample analysis was performed following the analytical methods listed on the cover page.

#### **Data Qualifiers:**

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

#### **Definition of Terms:**

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

#### **Comments:**

None

Ms. Gabriela Pocius  
GeoTek, Inc.  
1548 N. Maple St  
Corona, CA, 92880

Lab Reference #: GTK 26623  
Project Name: Foothill - Fontana  
Project #: 2982-CR

**Client Sample Summary**

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
A1	26623-001	12/22/2021	12/22/2021	Soil
A2	26623-002	12/22/2021	12/22/2021	Soil
A3	26623-003	12/22/2021	12/22/2021	Soil
A4	26623-004	12/22/2021	12/22/2021	Soil
A5	26623-005	12/22/2021	12/22/2021	Soil
A6	26623-006	12/22/2021	12/22/2021	Soil
A7	26623-007	12/22/2021	12/22/2021	Soil
O1	26623-008	12/22/2021	12/22/2021	Soil
O2	26623-009	12/22/2021	12/22/2021	Soil
O3	26623-010	12/22/2021	12/22/2021	Soil
O4	26623-011	12/22/2021	12/22/2021	Soil
O5	26623-012	12/22/2021	12/22/2021	Soil
O6	26623-013	12/22/2021	12/22/2021	Soil
O7	26623-014	12/22/2021	12/22/2021	Soil

Ms. Gabriela Pocius  
 GeoTek, Inc.  
 1548 N. Maple St  
 Corona, CA, 92880

Lab Reference #: GTK 26623  
 Project Name: Foothill - Fontana  
 Project #: 2982-CR

**Organochlorine Pesticides (EPA 8081A)**

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
O1	26623-008	12/22/2021 14:42	12/22/2021	12/30/2021 10:30	1/3/2022 12:47	Soil

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>
Aldrin	309-00-2	<4.0
alpha-BHC	319-84-6	<10
beta-BHC	319-85-7	<10
gamma-BHC (Lindane)	58-89-9	<10
delta-BHC	319-86-8	<20
Chlordane	57-74-9	<60
4,4'-DDD	72-54-8	<20
4,4'-DDE	72-55-9	<10
4,4'-DDT	50-29-3	<20
Dieldrin	60-57-1	<4.0
Endosulfan I	959-98-8	<20
Endosulfan II	33213-65-9	<10
Endosulfan sulfate	1031-07-8	<20
Endrin	72-20-8	<20
Endrin aldehyde	7421-93-4	<20
Endrin ketone	53494-70-5	<10
Heptachlor	76-44-8	<4.0
Heptachlor epoxide	1024-57-3	<10
Methoxychlor	72-43-5	<20
Toxaphene	8001-35-2	<80

Surrogate: Decachlorobiphenyl      % RC\* 64  
 \* Acceptable Recovery: 48-135 %  
Dilution Factor: 2  
Data Qualifiers: D1,

Ms. Gabriela Pocius  
 GeoTek, Inc.  
 1548 N. Maple St  
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Lab Reference #: GTK 26623  
 Project Name: Foothill - Fontana  
 Project #: 2982-CR

**Organochlorine Pesticides (EPA 8081A)**

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
O2	26623-009	12/22/2021 14:42	12/22/2021	12/30/2021 10:30	1/3/2022 13:02	Soil

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
Aldrin	309-00-2	<4.0	Decachlorobiphenyl	68
alpha-BHC	319-84-6	<10		
beta-BHC	319-85-7	<10		
gamma-BHC (Lindane)	58-89-9	<10		
delta-BHC	319-86-8	<20		
Chlordane	57-74-9	<60		
4,4'-DDD	72-54-8	<20		
4,4'-DDE	72-55-9	<10		
4,4'-DDT	50-29-3	<20		
Dieldrin	60-57-1	<4.0		
Endosulfan I	959-98-8	<20		
Endosulfan II	33213-65-9	<10		
Endosulfan sulfate	1031-07-8	<20		
Endrin	72-20-8	<20		
Endrin aldehyde	7421-93-4	<20		
Endrin ketone	53494-70-5	<10		
Heptachlor	76-44-8	<4.0		
Heptachlor epoxide	1024-57-3	<10		
Methoxychlor	72-43-5	<20		
Toxaphene	8001-35-2	<80		

\* Acceptable Recovery: 48-135 %

Dilution Factor: 2

Data Qualifiers: D1,

Ms. Gabriela Pocius  
 GeoTek, Inc.  
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 Corona, CA, 92880

Lab Reference #: GTK 26623  
 Project Name: Foothill - Fontana  
 Project #: 2982-CR

**Organochlorine Pesticides (EPA 8081A)**

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
O3	26623-010	12/22/2021 14:42	12/22/2021	12/30/2021 10:30	1/3/2022 13:17	Soil

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
Aldrin	309-00-2	<4.0	Decachlorobiphenyl	53
alpha-BHC	319-84-6	<10		
beta-BHC	319-85-7	<10		
gamma-BHC (Lindane)	58-89-9	<10		
delta-BHC	319-86-8	<20		
Chlordane	57-74-9	<60		
4,4'-DDD	72-54-8	<20		
4,4'-DDE	72-55-9	<10		
4,4'-DDT	50-29-3	<20		
Dieldrin	60-57-1	<4.0		
Endosulfan I	959-98-8	<20		
Endosulfan II	33213-65-9	<10		
Endosulfan sulfate	1031-07-8	<20		
Endrin	72-20-8	<20		
Endrin aldehyde	7421-93-4	<20		
Endrin ketone	53494-70-5	<10		
Heptachlor	76-44-8	<4.0		
Heptachlor epoxide	1024-57-3	<10		
Methoxychlor	72-43-5	<20		
Toxaphene	8001-35-2	<80		

\* Acceptable Recovery: 48-135 %

Dilution Factor: 2

Data Qualifiers: D1,

Ms. Gabriela Pocius  
 GeoTek, Inc.  
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 Corona, CA, 92880

Lab Reference #: GTK 26623  
 Project Name: Foothill - Fontana  
 Project #: 2982-CR

**Organochlorine Pesticides (EPA 8081A)**

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
O4	26623-011	12/22/2021 14:42	12/22/2021	12/30/2021 10:30	1/3/2022 13:32	Soil

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
Aldrin	309-00-2	<4.0	Decachlorobiphenyl	66
alpha-BHC	319-84-6	<10		
beta-BHC	319-85-7	<10		
gamma-BHC (Lindane)	58-89-9	<10		
delta-BHC	319-86-8	<20		
Chlordane	57-74-9	<60		
4,4'-DDD	72-54-8	<20		
<b>4,4'-DDE</b>	<b>72-55-9</b>	<b>14</b>		
4,4'-DDT	50-29-3	<20		
Dieldrin	60-57-1	<4.0		
Endosulfan I	959-98-8	<20		
Endosulfan II	33213-65-9	<10		
Endosulfan sulfate	1031-07-8	<20		
Endrin	72-20-8	<20		
Endrin aldehyde	7421-93-4	<20		
Endrin ketone	53494-70-5	<10		
Heptachlor	76-44-8	<4.0		
Heptachlor epoxide	1024-57-3	<10		
Methoxychlor	72-43-5	<20		
Toxaphene	8001-35-2	<80		

\* Acceptable Recovery: 48-135 %

Dilution Factor: 2

Data Qualifiers: D1,

Ms. Gabriela Pocius  
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 Corona, CA, 92880

Lab Reference #: GTK 26623  
 Project Name: Foothill - Fontana  
 Project #: 2982-CR

**Organochlorine Pesticides (EPA 8081A)**

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
O5	26623-012	12/22/2021 14:42	12/22/2021	12/30/2021 10:30	1/3/2022 13:47	Soil

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>
Aldrin	309-00-2	<8.0
alpha-BHC	319-84-6	<20
beta-BHC	319-85-7	<20
gamma-BHC (Lindane)	58-89-9	<20
delta-BHC	319-86-8	<40
Chlordane	57-74-9	<120
4,4'-DDD	72-54-8	<40
4,4'-DDE	72-55-9	<20
4,4'-DDT	50-29-3	<40
Dieldrin	60-57-1	<8.0
Endosulfan I	959-98-8	<40
Endosulfan II	33213-65-9	<20
Endosulfan sulfate	1031-07-8	<40
Endrin	72-20-8	<40
Endrin aldehyde	7421-93-4	<40
Endrin ketone	53494-70-5	<20
Heptachlor	76-44-8	<8.0
Heptachlor epoxide	1024-57-3	<20
Methoxychlor	72-43-5	<40
Toxaphene	8001-35-2	<160

Surrogate: Decachlorobiphenyl    % RC\* 66  
 \* Acceptable Recovery: 48-135 %  
Dilution Factor: 4  
Data Qualifiers: D1,



Ms. Gabriela Pocius  
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 Corona, CA, 92880

Lab Reference #: GTK 26623  
 Project Name: Foothill - Fontana  
 Project #: 2982-CR

**Organochlorine Pesticides (EPA 8081A)**

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
O6	26623-013	12/22/2021 14:42	12/22/2021	12/30/2021 10:30	1/3/2022 14:02	Soil

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>
Aldrin	309-00-2	<8.0
alpha-BHC	319-84-6	<20
beta-BHC	319-85-7	<20
gamma-BHC (Lindane)	58-89-9	<20
delta-BHC	319-86-8	<40
Chlordane	57-74-9	<120
4,4'-DDD	72-54-8	<40
4,4'-DDE	72-55-9	<20
4,4'-DDT	50-29-3	<40
Dieldrin	60-57-1	<8.0
Endosulfan I	959-98-8	<40
Endosulfan II	33213-65-9	<20
Endosulfan sulfate	1031-07-8	<40
Endrin	72-20-8	<40
Endrin aldehyde	7421-93-4	<40
Endrin ketone	53494-70-5	<20
Heptachlor	76-44-8	<8.0
Heptachlor epoxide	1024-57-3	<20
Methoxychlor	72-43-5	<40
Toxaphene	8001-35-2	<160

Surrogate: Decachlorobiphenyl    % RC\* 58  
 \* Acceptable Recovery: 48-135 %  
Dilution Factor: 4  
Data Qualifiers: D1,

Ms. Gabriela Pocius  
 GeoTek, Inc.  
 1548 N. Maple St  
 Corona, CA, 92880

Lab Reference #: GTK 26623  
 Project Name: Foothill - Fontana  
 Project #: 2982-CR

**Organochlorine Pesticides (EPA 8081A)**

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
O7	26623-014	12/22/2021 14:42	12/22/2021	12/30/2021 10:30	1/3/2022 14:18	Soil

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
Aldrin	309-00-2	<8.0	Decachlorobiphenyl	60
alpha-BHC	319-84-6	<20		
beta-BHC	319-85-7	<20		
gamma-BHC (Lindane)	58-89-9	<20		
delta-BHC	319-86-8	<40		
Chlordane	57-74-9	<120		
4,4'-DDD	72-54-8	<40		
4,4'-DDE	72-55-9	<20		
4,4'-DDT	50-29-3	<40		
Dieldrin	60-57-1	<8.0		
Endosulfan I	959-98-8	<40		
Endosulfan II	33213-65-9	<20		
Endosulfan sulfate	1031-07-8	<40		
Endrin	72-20-8	<40		
Endrin aldehyde	7421-93-4	<40		
Endrin ketone	53494-70-5	<20		
Heptachlor	76-44-8	<8.0		
Heptachlor epoxide	1024-57-3	<20		
Methoxychlor	72-43-5	<40		
Toxaphene	8001-35-2	<160		

\* Acceptable Recovery: 48-135 %

Dilution Factor: 4

Data Qualifiers: D1,

Ms. Gabriela Pocius  
 GeoTek, Inc.  
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 Corona, CA, 92880

Lab Reference #: GTK 26623  
 Project Name: Foothill - Fontana  
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**Organochlorine Pesticides (EPA 8081A)**

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBGS1230211			12/30/2021 10:30	1/3/2022 11:00	Soil

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate: Decachlorobiphenyl  
% RC\* 70  
 \* Acceptable Recovery: 48-135 %  
Dilution Factor: 1  
Data Qualifiers: None

Ms. Gabriela Pocius  
 GeoTek, Inc.  
 1548 N. Maple St  
 Corona, CA, 92880

Lab Reference #: GTK 26623  
 Project Name: Foothill - Fontana  
 Project #: 2982-CR

**Metals**

Client Sample ID	Lab Sample Number		Date Received		Date Sampled		Matrix		
A1	26623-001		12/22/2021 14:42		12/22/2021		Soil		
	<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>	
	Arsenic	6010B	5.6	mg/kg	12/27/21 10:30	12/27/21 17:20	--	1	
A2	26623-002		12/22/2021 14:42		12/22/2021		Soil		
	<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>	
	Arsenic	6010B	5.3	mg/kg	12/27/21 10:30	12/29/21 14:05	--	1	
A3	26623-003		12/22/2021 14:42		12/22/2021		Soil		
	<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>	
	Arsenic	6010B	4.2	mg/kg	12/27/21 10:30	12/29/21 14:07	--	1	
A4	26623-004		12/22/2021 14:42		12/22/2021		Soil		
	<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>	
	Arsenic	6010B	6.2	mg/kg	12/27/21 10:30	12/29/21 14:10	--	1	
A5	26623-005		12/22/2021 14:42		12/22/2021		Soil		
	<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>	
	Arsenic	6010B	<2.0	mg/kg	12/27/21 10:30	12/29/21 14:12	--	1	
A6	26623-006		12/22/2021 14:42		12/22/2021		Soil		
	<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>	
	Arsenic	6010B	2.4	mg/kg	12/27/21 10:30	12/29/21 14:14	--	1	

Ms. Gabriela Pocius  
 GeoTek, Inc.  
 1548 N. Maple St  
 Corona, CA, 92880

Lab Reference #: GTK 26623  
 Project Name: Foothill - Fontana  
 Project #: 2982-CR

**Metals**

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix				
A7	26623-007	12/22/2021 14:42	12/22/2021	Soil				
<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>	
Arsenic	6010B	3.8	mg/kg	12/27/21 10:30	12/29/21 14:17	--	1	
Method Blank				Soil				
<u>MB ID</u>	<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
MBHV1227212	Arsenic	6010B	<2.0	mg/kg	12/27/21 10:30	12/27/21 17:14	--	1

**QA/QC Report**  
for  
**Organochlorine Pesticides (EPA 8081A)**  
Reporting Units: ppb

**Matrix Spike (MS) / Matrix Spike Duplicate (MSD)**

Date of Extraction: 12/30/2021 10:30

Date of Analysis: 1/3/2022 11:46

Dup Date of Analysis: 1/3/2022 12:01

Laboratory Sample #: 26618-007

MS/MSD Qualifiers: None

Reference #: GTK 26623

Analyte	R1	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Aldrin	0.00	20.0	16.0	16.1	80	81	1	46-130	30	--
alpha-BHC	0.00	20.0	15.4	15.3	77	76	1	30-130	30	--
beta-BHC	0.00	20.0	14.5	14.5	73	73	0	31-136	30	--
gamma-BHC (Lindane)	0.00	20.0	16.4	16.4	82	82	0	45-130	28	--
4,4'-DDD	0.00	20.0	18.2	18.3	91	91	1	49-150	26	--
4,4'-DDE	0.00	20.0	19.7	16.8	99	84	16	44-150	24	--
4,4'-DDT	0.00	20.0	17.3	17.3	86	86	0	50-150	22	--
delta-BHC	0.00	20.0	17.1	16.9	86	84	1	33-138	30	--
Dieldrin	0.00	20.0	17.3	16.5	86	82	5	49-130	25	--
Endosulfan I	0.00	20.0	18.0	16.6	90	83	8	47-130	30	--
Endosulfan II	0.00	20.0	17.6	17.0	88	85	3	30-150	30	--
Endosulfan sulfate	0.00	20.0	16.5	16.0	82	80	3	30-150	30	--
Endrin	0.00	20.0	16.7	16.5	84	82	1	52-133	25	--
Endrin Aldehyde	0.00	20.0	12.2	12.7	61	63	4	30-150	30	--
Endrin ketone	0.00	20.0	14.8	14.2	74	71	4	30-150	30	--
Heptachlor	0.00	20.0	14.6	15.2	73	76	4	46-130	30	--
Heptachlor epoxide	0.00	20.0	16.6	15.9	83	79	4	38-130	27	--
Methoxychlor	0.00	20.0	14.4	14.7	72	74	2	30-150	30	--

**Surrogate Recoveries for Spike Samples**

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Decachlorobiphenyl	62	63	<input type="checkbox"/>	70	64	<input type="checkbox"/>	48-135

**Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)**

Date of Extraction: 12/30/2021 10:30

Date of Analysis: 1/3/2022 11:16

Dup Date of Analysis: 1/3/2022 11:31

Laboratory Sample #: GS1230211

LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Aldrin	20.0	16.8	16.0	84	80	5	47-130	26	--
alpha-BHC	20.0	16.0	15.9	80	79	1	40-130	30	--
beta-BHC	20.0	15.1	15.3	75	76	1	40-130	30	--
gamma-BHC (Lindane)	20.0	16.6	16.7	83	84	1	46-130	26	--
4,4'-DDD	20.0	19.4	19.8	97	99	2	57-150	23	--
4,4'-DDE	20.0	20.5	19.7	102	99	4	48-143	24	--

**QA/QC Report**  
**for**  
**Organochlorine Pesticides (EPA 8081A)**  
Reporting Units: ppb

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
4,4'-DDT	20.0	18.4	18.4	92	92	0	51-144	20	--
delta-BHC	20.0	18.1	18.0	91	90	1	43-130	23	--
Dieldrin	20.0	18.5	17.8	93	89	4	48-130	22	--
Endosulfan I	20.0	19.0	18.5	95	93	3	43-130	27	--
Endosulfan II	20.0	18.6	18.2	93	91	2	60-131	22	--
Endosulfan sulfate	20.0	18.0	17.8	90	89	1	54-139	25	--
Endrin	20.0	17.4	17.2	87	86	1	51-130	20	--
Endrin Aldehyde	20.0	13.2	12.7	66	63	4	40-138	30	--
Endrin ketone	20.0	16.0	14.9	80	75	7	47-132	28	--
Heptachlor	20.0	15.9	15.3	79	76	4	43-130	27	--
Heptachlor epoxide	20.0	17.2	16.9	86	84	2	40-130	30	--
Methoxychlor	20.0	16.7	17.4	84	87	4	53-140	26	--

**QA/QC Report  
for  
Metals**

Reference #: GTK 26623

Reporting units: ppm

**Matrix Spike (MS) / Matrix Spike Duplicate (MSD)**

**6010B**

Laboratory Sample #: 26623-001

Date of Extraction: 12/27/21 10:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Arsenic	12/27/21 17:23	12/27/21 17:26	5.60	20.0	25.2	25.1	98	98	0	75-125	20	--

**Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)**

**6010B**

Laboratory Sample #: HV1227212

Date of Extraction: 12/27/21 10:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Arsenic	12/27/21 17:15	12/27/21 17:17	--	20.0	20.2	22.1	101	111	9	80-120	20	--



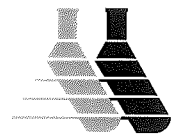
# Data Qualifier Definitions

## Qualifier

D1 = Sample required dilution due to matrix.

# Analysis Request and Chain of Custody Record

Lab Job No: 26623  
Page 1 of 1



**ORANGE COAST ANALYTICAL, INC.** [www.ocalab.com](http://www.ocalab.com)  
 3002 Dow, Suite 532  
 Tustin, CA 92780  
 (714) 832-0064 Fax (714) 832-0067

4620 E. Elwood, Suite 4  
 Phoenix, AZ 85040  
 (480) 736-0960 Fax (480) 736-0970

REQUIRED TURN AROUND TIME: Standard: X  
 72 Hours: \_\_\_\_\_ 48 Hours: \_\_\_\_\_ 24 Hours: \_\_\_\_\_

CUSTOMER INFORMATION		PROJECT INFORMATION			
COMPANY: <u>GeoTEK</u>		PROJECT NAME: <u>Foothill-Fontana</u>			
SEND REPORT TO: <u>Gabriela Pocius</u>		NUMBER: <u>2982-CR</u>			
EMAIL: <u>gpocius@geotekusa.com</u>		ADDRESS: <u>17747, 17759, 17795</u>			
ADDRESS: _____		<u>17797 Foothill Blvd</u>			
PHONE: _____ FAX: _____		P.O. #: _____			
		SAMPLED BY: _____			

ANALYSIS REQUEST / PRESERVATIVE

Arsenic  
8081A (OCR3)

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	REMARKS/PRECAUTIONS														
						1	2	3	4	5	6	7	8	9	10					
A1	1	12/22	AM	soil	glass	X														
A2	1	↓	↓	↓	↓	X														
A3	1	↓	↓	↓	↓	X														
A4	1	↓	↓	↓	↓	X														
A5	1	↓	↓	↓	↓	X														
A6	1	↓	↓	↓	↓	X														
A7	1	↓	↓	↓	↓	X														
O1	1	12/22	AM	soil	glass	X														
O2	↓	↓	↓	↓	↓	X														
O3	↓	↓	↓	↓	↓	X														
O4	↓	↓	↓	↓	↓	X														
O5	↓	↓	↓	↓	↓	X														
O6	↓	↓	↓	↓	↓	X														
O7	↓	↓	↓	↓	↓	X														

Total No. of Samples: 14 Method of Shipment: Hand Deliver Preservative: 1 = Ice 2 = HCl 3 = HNO<sub>3</sub> 4 = H<sub>2</sub>SO<sub>4</sub> 5 = NaOH 6 = Other

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/22/21 14:42</u>	Received By: <u>[Signature]</u>	Date/Time: _____	Sample Matrix: GW - Groundwater WW - Wastewater SW - Stormwater DW - Drinking Water W - Water SS - Soil/Solid OT - Other <u>#3</u>
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____	
Relinquished By: _____	Date/Time: _____	Received For Lab By: <u>OCALAB</u>	Date/Time: <u>12/22/21 1442</u>	Sample Integrity: Intact: <input checked="" type="checkbox"/> On Ice: <input checked="" type="checkbox"/> Yes / No @ <u>4</u> °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, with Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup sample.

# Sample Receipt Report

Laboratory Reference GTK 26623

Logged in by MM

Received: 12/22/21 14:42 Company Name: GeoTek, Inc.  
Method of Shipment: Hand Delivered Project Manager: Ms. Gabriela Pocius  
Shipping Container: Cooler Project Name: Foothill - Fontana  
# Shipping Containers: 1 Project #: 2982-CR

Sample Quantity  
14 Soil

Chain of Custody	Complete <input checked="" type="checkbox"/>	Incomplete <input type="checkbox"/>	None <input type="checkbox"/>
Samples On Ice	Yes, Wet <input checked="" type="checkbox"/>	Yes, Blue <input type="checkbox"/>	No <input type="checkbox"/>
Observed Temp. (°C): <u>4</u>	Thermometer ID: <u>IR#3</u>	Adjusted Temp.: <u>4+(-0)=4</u>	
Shipping Intact	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Shipping Custody Seals Intact	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Samples Intact	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>
Sample Custody Seals Intact	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Custody Seals Signed & Dated	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Proper Test Containers	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>
Proper Test Preservations	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>
Samples Within Hold Times	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>
VOAs Have Zero Headspace	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample Labels	Complete <input checked="" type="checkbox"/>	Incomplete <input type="checkbox"/>	None <input type="checkbox"/>
Sample Information Matches COC	Yes <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	No <input type="checkbox"/>

Notes

Client Notified \_\_\_\_\_ By \_\_\_\_\_ On \_\_\_\_\_