

## **Appendix O      Limited Pesticide Assessment**

## Appendices

*This page intentionally left blank.*



Project No. T2746-9-10B  
February 21, 2020

VIA E-MAIL

Mr. Samir Shah  
Kitchell CEM  
3600 Lime Street, Suite 523  
Riverside CA, 92501

Attention: Samir Shah

Subject: LIMITED PESTICIDE ASSESSMENT REPORT  
CHAFFEY COMMUNITY COLLEGE  
LAND ACQUISITION FOR FUTURE CAMPUS EXPANSION  
SIERRA AVENUE AND UNDER WOOD DRIVE  
FONTANA, CALIFORNIA

Dear Mr. Shah:

In accordance with your request on behalf of Kitchell CEM (the Client), we submit this summary report regarding soil sampling and analysis for residual pesticides for the five contiguous parcels located on the west side of Sierra Avenue near the intersection of Under Wood Drive (the Site) in the City of Fontana, California. The location of the Site is shown on the Vicinity Map provided as Figure 1.

## **BACKGROUND**

The Site is composed of five parcels owned by five separate individuals. Three of the five parcels are vacant and three single-family, single-story dwellings are present on the two northern parcels. The Site is bounded by Sierra Avenue to the east, a stormwater recharge basin to the south, larger-acreage (non-subdivision) single-family residential to the west, and retail-commercial (a Home Depot-anchored shopping development) to the north. It is estimated that the Site encompasses approximately 14.5 acres. The Site is observed in historical aerial photographs to have been utilized for orchard farming between 1938 and 1959.

The primary objective of this investigation was to evaluate the potential presence of pesticides and arsenic in the surface soil at the Site. The information obtained from the investigation will be used to evaluate soil management options and identify potential worker health and safety concerns.

## **SCOPE OF SERVICE**

Outlined below is a summary of the scope of services performed for this investigation.

### **Pre-field Activities**

- Coordinate sampling activities with Client and the site owner(s).
- Retain the services of a California Department of Health Services-certified analytical laboratory for soil analytical testing.

## **Soil Sampling and Analytical Testing**

Soil sample collection was performed on February 13, 2020. Soil samples were collected in general accordance with the Department of Toxic Substances Control *Interim Guidance for Sampling Agricultural Properties (Third Revision)*, dated August 7, 2008. Based on the sampling frequency outlined in the guidance document, an area of 14.5 acres would require the analysis of seven composite soil samples, collected from at least 25 sample locations.

Geocon collected discrete soil samples at 28 boring locations distributed across the Site. Soil samples were collected from each boring location (labeled SS-1 through SS-28) at depths of 0.0 to 0.5 foot, and 1.0 to 1.5 feet using a hand auger. The sampling equipment was cleansed prior to each sampling effort using Alconox and distilled water rinses. The approximate locations of the borings are shown on the Site Plan provided as Figure 2.

The soil samples were collected into 8-ounce laboratory-provided glass jars, capped with Teflon lined lids, labeled, and placed in a chilled cooler for transport to Advanced Technology Laboratories (ATL), a State certified laboratory located in Signal Hill, California, under a chain of custody protocol for chemical analysis. The discrete soil samples were given a unique ID consisting of the boring location followed by the top of the 6-inch depth interval from which they were collected. For example, sample ID SS-1-0.0 was collected from a depth of 0.0 to 0.5 foot at boring location SS-1.

Soil samples were observed during collection for indicators of potential contamination such as odors or staining. There were no staining or odors noted in the soil samples collected.

The locations of the borings were surveyed using a Global Position Satellite surveying unit. The coordinates of the boring locations are provided in Table 1.

The laboratory was directed to composite the discrete soil samples collected from the 0 to 0.5-foot depth interval to generate seven composite samples for analysis. For example: discrete sample IDs SS-1-0.0, SS-2-0.0, SS-3-0.0, and SS-4-0.0 were composited into sample ID “Composite 1 - SS-1-0.0/SS-4-0.0.”

The seven composite soil samples were then analyzed for organochlorine pesticides by United States Environmental Protection Agency (EPA) Test Method 8081A.

Additionally, the discrete soil samples collected from the 0.0 to 0.5-foot interval in borings SS-4, SS-8, SS-12, SS-16, SS-20, SS-24, and SS-28 were analyzed for arsenic by EPA Test Method 6010A.

Soil samples collected from deeper depths were placed on hold at the laboratory pending the results of the analysis of the shallow soil composite samples.

## **RESULTS**

This section summarizes the analytical results for the discrete and composite samples analyzed. Analytical results are also summarized on Table 2 and Table 3. Laboratory analytical reports and chain-of-custody documentation are attached.

The following were reported for the twelve composite soil samples.

- Arsenic was detected in the seven samples at concentrations ranging from 4.4 to 8.1 milligrams per kilogram (mg/kg).
- 4,4'-DDD was detected in one of the composite samples at a concentration of 2.4 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ).
- 4,4'-DDE was detected in six of the composite samples at concentrations ranging from 3.9 to 43  $\mu\text{g}/\text{kg}$ .
- 4,4'-DDT was detected in two of the composite samples at concentrations of 3.1 and 4.8  $\mu\text{g}/\text{kg}$ .
- Alpha-chlordane was detected in two of the composite samples at concentrations of 3.7 and 10  $\mu\text{g}/\text{kg}$ .
- Chlordane was detected in two of the composite samples at concentrations of 49 and 120  $\mu\text{g}/\text{kg}$ .
- Dieldrin was detected in one of the composite samples at a concentration of 21  $\mu\text{g}/\text{kg}$ .
- Gamma-chlordane was detected in two of the composite samples at concentrations of 4.6 and 12  $\mu\text{g}/\text{kg}$ .

No other organochlorine pesticides were reported at concentrations equal to or greater than the laboratory reporting limits.

## CONCLUSION AND RECOMMENDATIONS

The reported concentrations of the arsenic and organochlorine pesticides were compared to the California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) soil screening levels (SLs) and USEPA Region IX Regional Screening Levels (RSLs) for residential and industrial use scenarios.

Arsenic was detected in the seven of the seven composite soil samples analyzed at concentrations ranging from 4.4 to 8.1 mg/kg, greater than the DTSC SL for residential land use of 0.11 mg/kg and commercial/industrial land use of 0.36 mg/kg. Arsenic is a naturally occurring element; therefore, the reported concentrations were compared to regional background concentrations. The March 2008 Department of Toxic Substances Control (DTSC) publication *Determination of a Southern California Regional Background Arsenic Concentration in Soil* establishes a regional background for arsenic within Southern California including San Bernardino County using naturally occurring and anthropogenic concentrations of arsenic. The report finds that the upper-bound background concentration for arsenic within San Bernardino County is 12 mg/kg. The reported arsenic concentrations are less than 12 mg/kg; therefore, the arsenic concentrations reported for the composite soil samples are considered to be consistent with background concentrations of arsenic in San Bernardino County.

The reported concentrations of organochlorine pesticides 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, alpha-chlordane, chlordane, dieldrin, and gamma-chlordane are lower than their respective residential and industrial SLs. Based on the analytical results from the shallow soil composite samples evaluation of the soil samples collected from deeper depths was considered unwarranted.

Based on the reported concentrations being below the current health risk based screening levels or regional background concentrations it appears that handling of the soil will not present an incremental health risk to onsite workers or future occupants.

If excess soil generated during construction grading is to be disposed of off-site the material would not be classified as a hazardous waste with respect to organochlorine pesticides or arsenic because the reported concentrations do not exceed their respective Total Limit Threshold Concentrations (TTL) or ten times their respective Soluble Threshold Limit Concentrations (STLC). However, acceptance of the material may be driven by receiving facility permit requirements. Analytical results should be provided to the intended receiving facility and confirmation of acceptance should be obtained prior to shipping the material off-site.

Please contact us if you have any questions or if we may be of further service.

Sincerely,

**GEOCON WEST, INC.**



Adrian Escobar  
Staff Geologist

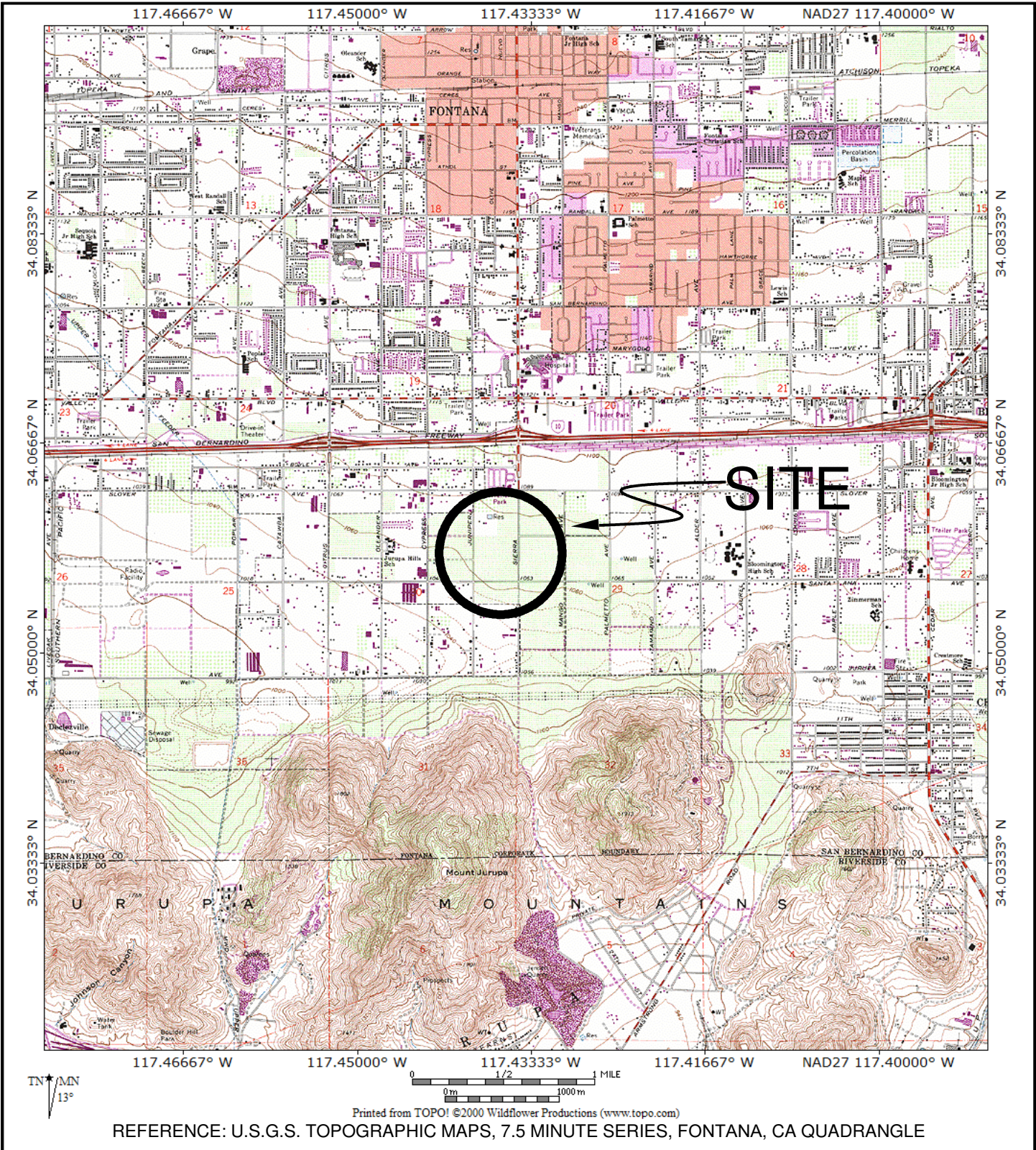


Mike Conkle, PG  
Senior Geologist



- Enclosures:
- Figure 1 – Vicinity Map
  - Figure 2 – Site Plan
  - Table 1 – Summary of Boring Coordinates
  - Table 2 – Summary of Soil Analytical Results – Arsenic
  - Table 2 – Summary of Soil Analytical Results – Organochlorine Pesticides
  - Laboratory Reports and Chain-of-Custody Documentation





**GEOCON**  
WEST, INC.



ENVIRONMENTAL    GEOTECHNICAL    MATERIALS  
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504  
PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: AE	CHECKED BY: MPC
----------------	-----------------

**VICINITY MAP**

**PESTICIDE SAMPLING AND ANALYSIS**  
**CHAFFEY COMMUNITY COLLEGE**  
SIERRA AVENUE AT UNDER WOOD DRIVE  
FONTANA, CALIFORNIA 92337

FEBRUARY 2020	PROJECT NO. T2746-99-10B	FIG. 1
---------------	--------------------------	--------





**LEGEND**

- Soil Boring Location
- Parcel
- Site



0 175 350 ft



**GEOCON**  
WEST, INC.



ENVIRONMENTAL GEOTECHNICAL MATERIALS  
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504  
PHONE (818) 841-8388 - FAX (818) 841-1704

**SITE PLAN**

**CHAFFEY COMMUNITY COLLEGE**  
SIERRA AVENUE AT UNDER WOOD DRIVE  
FONTANA, CALIFORNIA 92337

DRAFTED BY: ARE

N6

CHECKED BY: MPC

February 2020

PROJECT NO. T2746-99-10B

FIG. 2-1



TABLE 1  
 SUMMARY OF BORING COORDINATES  
 CHAFFEY COMMUNITY COLLEGE  
 LAND ACQUISITION FOR FUTURE CAMPUS EXPANSION  
 SIERRA AVENUE AND UNDER WOOD DRIVE, FONTANA, CALIFORNIA

Boring I.D.	Latitude	Longitude
SS-1	34.05367	-117.43616
SS-2	34.05366	-117.43658
SS-3	34.05365	-117.43698
SS-4	34.05367	-117.43740
SS-5	34.05330	-117.43617
SS-6	34.05330	-117.43657
SS-7	34.05329	-117.43698
SS-8	34.05328	-117.43739
SS-9	34.05292	-117.43616
SS-10	34.05293	-117.43656
SS-11	34.05293	-117.43698
SS-12	34.05293	-117.43739
SS-13	34.05261	-117.43739
SS-14	34.05261	-117.43699
SS-15	34.05261	-117.43657
SS-16	34.05263	-117.43613
SS-17	34.05231	-117.43614
SS-18	34.05230	-117.43655
SS-19	34.05229	-117.43697
SS-20	34.05229	-117.43738
SS-21	34.05197	-117.43614
SS-22	34.05197	-117.43653
SS-23	34.05197	-117.43698
SS-24	34.05198	-117.43738
SS-25	34.05163	-117.43613
SS-26	34.05164	-117.43655
SS-27	34.05164	-117.43694
SS-28	34.05163	-117.43737

TABLE 2  
SUMMARY OF SOIL ANALYTICAL RESULTS - ARSENIC  
CHAFFEY COMMUNITY COLLEGE  
LAND ACQUISITION FOR FUTURE CAMPUS EXPANSION  
SIERRA AVENUE AND UNDER WOOD DRIVE, FONTANA, CALIFORNIA

SAMPLE ID	Arsenic (mg/kg)
SS-4-0.0	<b>4.4</b>
SS-8-0.0	<b>5.1</b>
SS-12-0.0	<b>6.0</b>
SS-16-0.0	<b>5.6</b>
SS-20-0.0	<b>6.3</b>
SS-24-0.0	<b>8.1</b>
SS-28-0.0	<b>6.8</b>
Industrial Screening Levels	0.36
Residential Screening Levels	0.11

Notes:

mg/kg = milligrams per kilogram

Industrial Screening Levels = Lower of the DTSC HERO Soil Screening Levels or US EPA Region IX Soil Regional Screening Levels for Commercial Use Properties

Residential Screening Levels = Lower of the DTSC HERO Soil Screening Levels or US EPA Region IX Soil Regional Screening Levels for Residential Use Properties

Arsenic analyzed by EPA Test Method 6010B

TABLE 3  
SUMMARY OF SOIL ANALYTICAL RESULTS - ORGANOCHLORINE PESTICIDES  
CHAFFEY COMMUNITY COLLEGE  
LAND ACQUISITION FOR FUTURE CAMPUS EXPANSION  
SIERRA AVENUE AND UNDER WOOD DRIVE, FONTANA, CALIFORNIA

SAMPLE ID	Organochlorine Pesticides (µg/kg)																					
	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC	gamma-Chlordane	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
Composite 1 - SS-1-0.0/SS-4-0.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50
Composite 2 - SS-5-0.0/SS-8-0.0	<2.0	<b>3.9</b>	<b>3.1</b>	<1.0	<1.0	<b>10</b>	<1.0	<b>120</b>	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<b>12</b>	<1.0	<1.0	<5.0	<50
Composite 3 - SS-9-0.0/SS-12-0.0	<2.0	<b>5.1</b>	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50
Composite 4 - SS-13-0.0/SS-16-0.0	<2.0	<b>4.2</b>	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50
Composite 5 - SS-17-0.0/SS-20-0.0	<2.0	<b>6.6</b>	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50
Composite 6 - SS-21-0.0/SS-24-0.0	<b>2.4</b>	<b>43</b>	<b>4.8</b>	<1.0	<1.0	<b>3.7</b>	<1.0	<b>49</b>	<1.0	<b>21</b>	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<b>4.6</b>	<1.0	<1.0	<5.0	<50
Composite 7 - SS-25-0.0/SS-28-0.0	<2.0	<b>36</b>	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50
Industrial Screening Levels	16,000	9,300	7,100	180	NA	6,100	NA	6,100	NA	93	6.0.E+06	6.0.E+06	4.9.E+06	160,000	NA	NA	NA	6,100	630	330	2.6.E+06	1,200
Residential Screening Levels	1,900	2,000	1,900	39	NA	1,700	NA	1,700	NA	34	450,000	450,000	380,000	19,000	NA	NA	NA	1,700	130	70	320,000	450

Notes:

µg/kg = micrograms per kilogram

Industrial Screening Levels= Lower of the DTSC HERO Soil Screening Levels or US EPA Region IX Soil Regional Screening Levels for Commercial Use Properties

Residential Screening Levels= Lower of the DTSC HERO Soil Screening Levels or US EPA Region IX Soil Regional Screening Levels for Residential Use Properties

<= Less than laboratory reporting limit specified

NA= Not Available

Organochlorine pesticides analyzed by EPA Method 8081A

Arsenic analyzed by EPA Test Method 6010B





February 21, 2020

Mike Conkle  
Geocon West, Inc.  
3303 N. San Fernando Blvd., Suite 100  
Burbank, CA 91504  
Tel: (818) 841-8388  
Fax:(818) 841-1704

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2000395  
Client Reference : T2746-77-10B, Chaffey Community College

Enclosed are the results for sample(s) received on February 14, 2020 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "Dr. Reza Karimi", with a small "for" written below it.

Dr. Reza Karimi  
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

*3275 Walnut Avenue, Signal Hill, CA 90755 • Tel: 562-989-4045 • Fax: 562-989-4040  
www.atlglobal.com*



## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank , CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-4-0.0	2000395-04	Soil	2/13/20 9:32	2/14/20 10:41
SS-8-0.0	2000395-08	Soil	2/13/20 9:52	2/14/20 10:41
SS-12-0.0	2000395-12	Soil	2/13/20 10:18	2/14/20 10:41
SS-16-0.0	2000395-16	Soil	2/13/20 10:48	2/14/20 10:41
SS-20-0.0	2000395-20	Soil	2/13/20 11:10	2/14/20 10:41
SS-24-0.0	2000395-24	Soil	2/13/20 11:36	2/14/20 10:41
SS-28-0.0	2000395-28	Soil	2/13/20 12:02	2/14/20 10:41
Composite 1 - SS-1-0.0/SS-4-0.0	2000395-57	Soil	2/13/20 0:00	2/14/20 10:41
Composite 2 - SS-5-0.0/SS-8-0.0	2000395-58	Soil	2/13/20 0:00	2/14/20 10:41
Composite 3 - SS-9-0.0/SS-12-0.0	2000395-59	Soil	2/13/20 0:00	2/14/20 10:41
Composite 4 - SS-13-0.0/SS-16-0.0	2000395-60	Soil	2/13/20 0:00	2/14/20 10:41
Composite 5 - SS-17-0.0/SS-20-0.0	2000395-61	Soil	2/13/20 0:00	2/14/20 10:41
Composite 6 - SS-21-0.0/SS-24-0.0	2000395-62	Soil	2/13/20 0:00	2/14/20 10:41
Composite 7 - SS-25-0.0/SS-28-0.0	2000395-63	Soil	2/13/20 0:00	2/14/20 10:41



## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

**Client Sample ID: SS-4-0.0**

**Lab ID: 2000395-04**

### Total Metals by ICP-AES EPA 6010B

**Analyst: VL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.4	1.0	1	B0B0267	02/17/2020	02/17/20 13:20	





## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

**Client Sample ID: SS-8-0.0**

**Lab ID: 2000395-08**

### Total Metals by ICP-AES EPA 6010B

**Analyst: VL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.1	1.0	1	B0B0267	02/17/2020	02/17/20 13:25	



## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

**Client Sample ID: SS-12-0.0**

**Lab ID: 2000395-12**

### Total Metals by ICP-AES EPA 6010B

**Analyst: VL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.0	1.0	1	B0B0267	02/17/2020	02/17/20 13:27	



## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

**Client Sample ID: SS-16-0.0**

**Lab ID: 2000395-16**

### Total Metals by ICP-AES EPA 6010B

**Analyst: VL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.6	1.0	1	B0B0267	02/17/2020	02/17/20 13:28	





## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

**Client Sample ID: SS-20-0.0**

**Lab ID: 2000395-20**

### Total Metals by ICP-AES EPA 6010B

**Analyst: VL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B0B0267	02/17/2020	02/17/20 13:30	



## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

**Client Sample ID: SS-24-0.0**

**Lab ID: 2000395-24**

### Total Metals by ICP-AES EPA 6010B

**Analyst: VL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	8.1	1.0	1	B0B0267	02/17/2020	02/17/20 13:37	



## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

**Client Sample ID: SS-28-0.0**

**Lab ID: 2000395-28**

### Total Metals by ICP-AES EPA 6010B

**Analyst: VL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.8	1.0	1	B0B0267	02/17/2020	02/17/20 13:38	



## Certificate of Analysis

Geocon West, Inc.  
3303 N. San Fernando Blvd., Suite 100  
Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College  
Report To : Mike Conkle  
Reported : 02/21/2020

**Client Sample ID: Composite 1 - SS-1-0.0/SS-4-0.0**  
**Lab ID: 2000395-57**

### Organochlorine Pesticides by EPA 8081A

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:48	
4,4'-DDE	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:48	
4,4'-DDT	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Aldrin	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:48	
alpha-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:48	
alpha-Chlordane	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:48	
beta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Chlordane	ND	8.5	1	B0B0282	02/17/2020	02/17/20 14:48	
delta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Dieldrin	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Endosulfan I	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Endosulfan II	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Endosulfan sulfate	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Endrin	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Endrin aldehyde	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Endrin ketone	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:48	
gamma-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:48	
gamma-Chlordane	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Heptachlor	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Heptachlor epoxide	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Methoxychlor	ND	5.0	1	B0B0282	02/17/2020	02/17/20 14:48	
Toxaphene	ND	50	1	B0B0282	02/17/2020	02/17/20 14:48	
Surrogate: Decachlorobiphenyl	191 %	11 - 115		B0B0282	02/17/2020	02/17/20 14:48	S10, S5
Surrogate: Tetrachloro-m-xylene	65.6 %	29 - 106		B0B0282	02/17/2020	02/17/20 14:48	





## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

**Client Sample ID: Composite 2 - SS-5-0.0/SS-8-0.0**

**Lab ID: 2000395-58**

### Organochlorine Pesticides by EPA 8081A

**Analyst: KD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:18	
<b>4,4'-DDE [2C]</b>	<b>3.9</b>	2.0	1	B0B0282	02/17/2020	02/17/20 14:18	
<b>4,4'-DDT [2C]</b>	<b>3.1</b>	2.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Aldrin	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:18	
alpha-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:18	
<b>alpha-Chlordane</b>	<b>10</b>	1.0	1	B0B0282	02/17/2020	02/17/20 14:18	
beta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:18	
<b>Chlordane</b>	<b>120</b>	8.5	1	B0B0282	02/17/2020	02/17/20 14:18	
delta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Dieldrin	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Endosulfan I	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Endosulfan II	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Endosulfan sulfate	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Endrin	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Endrin aldehyde	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Endrin ketone	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:18	
gamma-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:18	
<b>gamma-Chlordane</b>	<b>12</b>	1.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Heptachlor	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Heptachlor epoxide	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Methoxychlor	ND	5.0	1	B0B0282	02/17/2020	02/17/20 14:18	
Toxaphene	ND	50	1	B0B0282	02/17/2020	02/17/20 14:18	
<i>Surrogate: Decachlorobiphenyl</i>	<i>73.5 %</i>	<i>11 - 115</i>		B0B0282	02/17/2020	<i>02/17/20 14:18</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>66.2 %</i>	<i>29 - 106</i>		B0B0282	02/17/2020	<i>02/17/20 14:18</i>	



## Certificate of Analysis

Geocon West, Inc.  
3303 N. San Fernando Blvd., Suite 100  
Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College  
Report To : Mike Conkle  
Reported : 02/21/2020

**Client Sample ID: Composite 3 - SS-9-0.0/SS-12-0.0**  
**Lab ID: 2000395-59**

### Organochlorine Pesticides by EPA 8081A

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:59	
<b>4,4'-DDE [2C]</b>	<b>5.1</b>	2.0	1	B0B0282	02/17/2020	02/17/20 14:59	
4,4'-DDT	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Aldrin	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:59	
alpha-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:59	
alpha-Chlordane	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:59	
beta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Chlordane	ND	8.5	1	B0B0282	02/17/2020	02/17/20 14:59	
delta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Dieldrin	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Endosulfan I	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Endosulfan II	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Endosulfan sulfate	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Endrin	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Endrin aldehyde	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Endrin ketone	ND	2.0	1	B0B0282	02/17/2020	02/17/20 14:59	
gamma-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:59	
gamma-Chlordane	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Heptachlor	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Heptachlor epoxide	ND	1.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Methoxychlor	ND	5.0	1	B0B0282	02/17/2020	02/17/20 14:59	
Toxaphene	ND	50	1	B0B0282	02/17/2020	02/17/20 14:59	
<i>Surrogate: Decachlorobiphenyl</i>	<i>68.5 %</i>	<i>11 - 115</i>		B0B0282	02/17/2020	<i>02/17/20 14:59</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>66.9 %</i>	<i>29 - 106</i>		B0B0282	02/17/2020	<i>02/17/20 14:59</i>	



## Certificate of Analysis

Geocon West, Inc.  
 3303 N. San Fernando Blvd., Suite 100  
 Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community Coll  
 Report To : Mike Conkle  
 Reported : 02/21/2020

**Client Sample ID: Composite 4 - SS-13-0.0/SS-16-0.0**  
**Lab ID: 2000395-60**

### Organochlorine Pesticides by EPA 8081A

**Analyst: KD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:10	
<b>4,4'-DDE [2C]</b>	<b>4.2</b>	2.0	1	B0B0282	02/17/2020	02/17/20 15:10	
4,4'-DDT	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Aldrin	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:10	
alpha-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:10	
alpha-Chlordane	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:10	
beta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Chlordane	ND	8.5	1	B0B0282	02/17/2020	02/17/20 15:10	
delta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Dieldrin	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Endosulfan I	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Endosulfan II	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Endosulfan sulfate	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Endrin	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Endrin aldehyde	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Endrin ketone	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:10	
gamma-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:10	
gamma-Chlordane	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Heptachlor	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Heptachlor epoxide	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Methoxychlor	ND	5.0	1	B0B0282	02/17/2020	02/17/20 15:10	
Toxaphene	ND	50	1	B0B0282	02/17/2020	02/17/20 15:10	
<hr/>							
<i>Surrogate: Decachlorobiphenyl</i>	<i>72.6 %</i>	<i>11 - 115</i>		B0B0282	02/17/2020	<i>02/17/20 15:10</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>67.9 %</i>	<i>29 - 106</i>		B0B0282	02/17/2020	<i>02/17/20 15:10</i>	



## Certificate of Analysis

Geocon West, Inc.  
3303 N. San Fernando Blvd., Suite 100  
Burbank , CA 91504

Project Number : T2746-77-10B, Chaffey Community Coll  
Report To : Mike Conkle  
Reported : 02/21/2020

**Client Sample ID: Composite 5 - SS-17-0.0/SS-20-0.0**  
**Lab ID: 2000395-61**

### Organochlorine Pesticides by EPA 8081A

**Analyst: KD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:21	
<b>4,4'-DDE [2C]</b>	<b>6.6</b>	2.0	1	B0B0282	02/17/2020	02/17/20 15:21	
4,4'-DDT [2C]	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Aldrin	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:21	
alpha-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:21	
alpha-Chlordane	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:21	
beta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Chlordane	ND	8.5	1	B0B0282	02/17/2020	02/17/20 15:21	
delta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Dieldrin	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Endosulfan I	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Endosulfan II	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Endosulfan sulfate	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Endrin	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Endrin aldehyde	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Endrin ketone	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:21	
gamma-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:21	
gamma-Chlordane	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Heptachlor	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Heptachlor epoxide	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Methoxychlor	ND	5.0	1	B0B0282	02/17/2020	02/17/20 15:21	
Toxaphene	ND	50	1	B0B0282	02/17/2020	02/17/20 15:21	
<i>Surrogate: Decachlorobiphenyl</i>	<i>80.4 %</i>	<i>11 - 115</i>		B0B0282	02/17/2020	<i>02/17/20 15:21</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>66.1 %</i>	<i>29 - 106</i>		B0B0282	02/17/2020	<i>02/17/20 15:21</i>	



## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

**Client Sample ID: Composite 6 - SS-21-0.0/SS-24-0.0**

**Lab ID: 2000395-62**

**Organochlorine Pesticides by EPA 8081A**

**Analyst: KD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	2.4	2.0	1	B0B0282	02/17/2020	02/17/20 15:32	
4,4'-DDE [2C]	43	2.0	1	B0B0282	02/17/2020	02/17/20 15:32	
4,4'-DDT [2C]	4.8	2.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Aldrin	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:32	
alpha-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:32	
alpha-Chlordane	3.7	1.0	1	B0B0282	02/17/2020	02/17/20 15:32	
beta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Chlordane [2C]	49	8.5	1	B0B0282	02/17/2020	02/17/20 15:32	
delta-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Dieldrin [2C]	21	2.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Endosulfan I	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Endosulfan II	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Endosulfan sulfate	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Endrin	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Endrin aldehyde	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Endrin ketone	ND	2.0	1	B0B0282	02/17/2020	02/17/20 15:32	
gamma-BHC	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:32	
gamma-Chlordane	4.6	1.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Heptachlor	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Heptachlor epoxide	ND	1.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Methoxychlor	ND	5.0	1	B0B0282	02/17/2020	02/17/20 15:32	
Toxaphene	ND	50	1	B0B0282	02/17/2020	02/17/20 15:32	
<hr/>							
Surrogate: Decachlorobiphenyl	76.4 %	11 - 115		B0B0282	02/17/2020	02/17/20 15:32	
Surrogate: Tetrachloro-m-xylene	68.3 %	29 - 106		B0B0282	02/17/2020	02/17/20 15:32	



## Certificate of Analysis

Geocon West, Inc.  
3303 N. San Fernando Blvd., Suite 100  
Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College  
Report To : Mike Conkle  
Reported : 02/21/2020

**Client Sample ID: Composite 7 - SS-25-0.0/SS-28-0.0**  
**Lab ID: 2000395-63**

### Organochlorine Pesticides by EPA 8081A

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	10	5	B0B0282	02/17/2020	02/17/20 15:42	
<b>4,4'-DDE [2C]</b>	<b>36</b>	10	5	B0B0282	02/17/2020	02/17/20 15:42	
4,4'-DDT	ND	10	5	B0B0282	02/17/2020	02/17/20 15:42	
Aldrin	ND	5.0	5	B0B0282	02/17/2020	02/17/20 15:42	
alpha-BHC	ND	5.0	5	B0B0282	02/17/2020	02/17/20 15:42	
alpha-Chlordane	ND	5.0	5	B0B0282	02/17/2020	02/17/20 15:42	
beta-BHC	ND	5.0	5	B0B0282	02/17/2020	02/17/20 15:42	
Chlordane	ND	42	5	B0B0282	02/17/2020	02/17/20 15:42	
delta-BHC	ND	5.0	5	B0B0282	02/17/2020	02/17/20 15:42	
Dieldrin	ND	10	5	B0B0282	02/17/2020	02/17/20 15:42	
Endosulfan I	ND	5.0	5	B0B0282	02/17/2020	02/17/20 15:42	
Endosulfan II	ND	10	5	B0B0282	02/17/2020	02/17/20 15:42	
Endosulfan sulfate	ND	10	5	B0B0282	02/17/2020	02/17/20 15:42	
Endrin	ND	10	5	B0B0282	02/17/2020	02/17/20 15:42	
Endrin aldehyde	ND	10	5	B0B0282	02/17/2020	02/17/20 15:42	
Endrin ketone	ND	10	5	B0B0282	02/17/2020	02/17/20 15:42	
gamma-BHC	ND	5.0	5	B0B0282	02/17/2020	02/17/20 15:42	
gamma-Chlordane	ND	5.0	5	B0B0282	02/17/2020	02/17/20 15:42	
Heptachlor	ND	5.0	5	B0B0282	02/17/2020	02/17/20 15:42	
Heptachlor epoxide	ND	5.0	5	B0B0282	02/17/2020	02/17/20 15:42	
Methoxychlor	ND	25	5	B0B0282	02/17/2020	02/17/20 15:42	
Toxaphene	ND	250	5	B0B0282	02/17/2020	02/17/20 15:42	
<i>Surrogate: Decachlorobiphenyl</i>	<i>36.2 %</i>	<i>11 - 115</i>		B0B0282	02/17/2020	<i>02/17/20 15:42</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>44.9 %</i>	<i>29 - 106</i>		B0B0282	02/17/2020	<i>02/17/20 15:42</i>	





## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

### QUALITY CONTROL SECTION

#### Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B0B0267 - EPA 3050B_S</b>										
<b>Blank (B0B0267-BLK1)</b>					Prepared: 2/14/2020 Analyzed: 2/17/2020					
Arsenic	ND	1.0	0.12							
<b>LCS (B0B0267-BS1)</b>					Prepared: 2/14/2020 Analyzed: 2/17/2020					
Arsenic	22.4212	1.0	0.12	25.0000		89.7	80 - 120			
<b>Matrix Spike (B0B0267-MS1)</b>					<b>Source: 2000395-04</b> Prepared: 2/14/2020 Analyzed: 2/17/2020					
Arsenic	25.2411	1.0	0.12	25.0000	4.42304	83.3	46 - 97			
<b>Matrix Spike Dup (B0B0267-MSD1)</b>					<b>Source: 2000395-04</b> Prepared: 2/14/2020 Analyzed: 2/17/2020					
Arsenic	25.2406	1.0	0.12	25.0000	4.42304	83.3	46 - 97	0.00226	20	



## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

### Organochlorine Pesticides by EPA 8081A - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

#### Batch B0B0282 - GCSEMI\_PCB/PEST\_S

##### Blank (B0B0282-BLK1)

Prepared: 2/17/2020 Analyzed: 2/17/2020

4,4'-DDD	ND	2.0	0.14
4,4'-DDD [2C]	ND	2.0	0.14
4,4'-DDE	ND	2.0	0.20
4,4'-DDE [2C]	ND	2.0	0.20
4,4'-DDT	ND	2.0	0.04
4,4'-DDT [2C]	ND	2.0	0.04
Aldrin	ND	1.0	0.05
Aldrin [2C]	ND	1.0	0.05
alpha-BHC	ND	1.0	0.12
alpha-BHC [2C]	ND	1.0	0.12
alpha-Chlordane	ND	1.0	0.06
alpha-Chlordane [2C]	ND	1.0	0.06
beta-BHC	ND	1.0	0.08
beta-BHC [2C]	ND	1.0	0.08
Chlordane	ND	8.5	0.78
Chlordane [2C]	ND	8.5	0.78
delta-BHC	ND	1.0	0.07
delta-BHC [2C]	ND	1.0	0.07
Dieldrin	ND	2.0	0.04
Dieldrin [2C]	ND	2.0	0.04
Endosulfan I	ND	1.0	0.05
Endosulfan I [2C]	ND	1.0	0.05
Endosulfan II	ND	2.0	0.06
Endosulfan II [2C]	ND	2.0	0.06
Endosulfan sulfate	ND	2.0	0.15
Endosulfan Sulfate [2C]	ND	2.0	0.15
Endrin	ND	2.0	0.08
Endrin [2C]	ND	2.0	0.08
Endrin aldehyde	ND	2.0	0.09
Endrin aldehyde [2C]	ND	2.0	0.09
Endrin ketone	ND	2.0	0.09
Endrin ketone [2C]	ND	2.0	0.09
gamma-BHC	ND	1.0	0.12
gamma-BHC [2C]	ND	1.0	0.12
gamma-Chlordane	ND	1.0	0.28
gamma-Chlordane [2C]	ND	1.0	0.28
Heptachlor	ND	1.0	0.06
Heptachlor [2C]	ND	1.0	0.06
Heptachlor epoxide	ND	1.0	0.06
Heptachlor epoxide [2C]	ND	1.0	0.06



# Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community Coll

Report To : Mike Conkle

Reported : 02/21/2020

## Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

### Batch B0B0282 - GCSEMI\_PCB/PEST\_S (continued)

#### Blank (B0B0282-BLK1) - Continued

Prepared: 2/17/2020 Analyzed: 2/17/2020

Methoxychlor	ND	5.0	0.16							
Methoxychlor [2C]	ND	5.0	0.16							
Toxaphene	ND	50	4.7							
Toxaphene [2C]	ND	50	4.7							

<i>Surrogate: Decachlorobiphenyl</i>	<i>11.02</i>			<i>16.6667</i>		<i>66.1</i>	<i>11 - 115</i>			
<i>Surrogate: Decachlorobiphenyl [</i>	<i>12.75</i>			<i>16.6667</i>		<i>76.5</i>	<i>11 - 115</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.04</i>			<i>16.6667</i>		<i>66.3</i>	<i>29 - 106</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.04</i>			<i>16.6667</i>		<i>78.2</i>	<i>29 - 106</i>			

#### LCS (B0B0282-BS1)

Prepared: 2/17/2020 Analyzed: 2/17/2020

4,4'-DDD	12.3852	2.0	0.14	16.6667		74.3	58 - 120			
4,4'-DDD [2C]	13.0923	2.0	0.14	16.6667		78.6	58 - 120			
4,4'-DDE	12.4992	2.0	0.20	16.6667		75.0	58 - 118			
4,4'-DDE [2C]	14.3800	2.0	0.20	16.6667		86.3	58 - 118			
4,4'-DDT	11.4965	2.0	0.04	16.6667		69.0	44 - 118			
4,4'-DDT [2C]	12.8937	2.0	0.04	16.6667		77.4	44 - 118			
Aldrin	12.0273	1.0	0.05	16.6667		72.2	57 - 113			
Aldrin [2C]	13.9208	1.0	0.05	16.6667		83.5	57 - 113			
alpha-BHC	11.5212	1.0	0.12	16.6667		69.1	56 - 108			
alpha-BHC [2C]	13.2937	1.0	0.12	16.6667		79.8	56 - 108			
alpha-Chlordane	12.1672	1.0	0.06	16.6667		73.0	56 - 117			
alpha-Chlordane [2C]	14.0877	1.0	0.06	16.6667		84.5	56 - 117			
beta-BHC	12.0135	1.0	0.08	16.6667		72.1	56 - 113			
beta-BHC [2C]	13.2002	1.0	0.08	16.6667		79.2	56 - 113			
delta-BHC	10.9803	1.0	0.07	16.6667		65.9	48 - 100			
delta-BHC [2C]	12.7373	1.0	0.07	16.6667		76.4	48 - 100			
Dieldrin	12.2023	2.0	0.04	16.6667		73.2	59 - 111			
Dieldrin [2C]	12.9992	2.0	0.04	16.6667		78.0	59 - 111			
Endosulfan I	11.2368	1.0	0.05	16.6667		67.4	56 - 102			
Endosulfan I [2C]	12.8628	1.0	0.05	16.6667		77.2	56 - 102			
Endosulfan II	12.6003	2.0	0.06	16.6667		75.6	60 - 115			
Endosulfan II [2C]	13.2165	2.0	0.06	16.6667		79.3	60 - 115			
Endosulfan sulfate	11.9813	2.0	0.15	16.6667		71.9	59 - 104			
Endosulfan Sulfate [2C]	12.1337	2.0	0.15	16.6667		72.8	59 - 104			
Endrin	13.1392	2.0	0.08	16.6667		78.8	65 - 120			
Endrin [2C]	14.1462	2.0	0.08	16.6667		84.9	65 - 120			
Endrin aldehyde	12.5258	2.0	0.09	16.6667		75.2	61 - 111			
Endrin aldehyde [2C]	13.3615	2.0	0.09	16.6667		80.2	61 - 111			
Endrin ketone	11.8378	2.0	0.09	16.6667		71.0	55 - 110			
Endrin ketone [2C]	12.3028	2.0	0.09	16.6667		73.8	55 - 110			



# Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community Coll

Report To : Mike Conkle

Reported : 02/21/2020

## Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

### Batch B0B0282 - GCSEMI\_PCB/PEST\_S (continued)

#### LCS (B0B0282-BS1) - Continued

Prepared: 2/17/2020 Analyzed: 2/17/2020

gamma-BHC	11.6700	1.0	0.12	16.6667		70.0	58 - 111			
gamma-BHC [2C]	12.9068	1.0	0.12	16.6667		77.4	58 - 111			
gamma-Chlordane	11.9510	1.0	0.28	16.6667		71.7	57 - 115			
gamma-Chlordane [2C]	13.7330	1.0	0.28	16.6667		82.4	57 - 115			
Heptachlor	12.1597	1.0	0.06	16.6667		73.0	57 - 114			
Heptachlor [2C]	14.1372	1.0	0.06	16.6667		84.8	57 - 114			
Heptachlor epoxide	11.5235	1.0	0.06	16.6667		69.1	56 - 107			
Heptachlor epoxide [2C]	12.9198	1.0	0.06	16.6667		77.5	56 - 107			
Methoxychlor	12.2187	5.0	0.16	16.6667		73.3	48 - 125			
Methoxychlor [2C]	12.5335	5.0	0.16	16.6667		75.2	48 - 125			
<i>Surrogate: Decachlorobiphenyl</i>	<i>11.66</i>			<i>16.6667</i>		<i>70.0</i>	<i>11 - 115</i>			
<i>Surrogate: Decachlorobiphenyl [</i>	<i>12.76</i>			<i>16.6667</i>		<i>76.5</i>	<i>11 - 115</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.54</i>			<i>16.6667</i>		<i>69.2</i>	<i>29 - 106</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.47</i>			<i>16.6667</i>		<i>80.8</i>	<i>29 - 106</i>			

#### Matrix Spike (B0B0282-MS1)

Source: 2000395-58

Prepared: 2/17/2020 Analyzed: 2/17/2020

4,4'-DDD	13.9315	2.0	0.14	16.6667	ND	83.6	17 - 136			
4,4'-DDD [2C]	15.5823	2.0	0.14	16.6667	ND	93.5	17 - 136			
4,4'-DDE	16.7188	2.0	0.20	16.6667	3.29350	80.6	15 - 135			
4,4'-DDE [2C]	21.7612	2.0	0.20	16.6667	3.94017	107	15 - 135			
4,4'-DDT	17.9338	2.0	0.04	16.6667	2.18417	94.5	0 - 158			
4,4'-DDT [2C]	20.1903	2.0	0.04	16.6667	3.07467	103	0 - 158			
Aldrin	17.2178	1.0	0.05	16.6667	ND	103	20 - 127			
Aldrin [2C]	15.1928	1.0	0.05	16.6667	ND	91.2	20 - 127			
alpha-BHC	12.7017	1.0	0.12	16.6667	ND	76.2	22 - 127			
alpha-BHC [2C]	14.7047	1.0	0.12	16.6667	ND	88.2	22 - 127			
alpha-Chlordane	22.5777	1.0	0.06	16.6667	10.0262	75.3	18 - 131			
alpha-Chlordane [2C]	46.0795	1.0	0.06	16.6667	31.9707	84.7	18 - 131			
beta-BHC	11.3053	1.0	0.08	16.6667	ND	67.8	14 - 130			
beta-BHC [2C]	13.8370	1.0	0.08	16.6667	ND	83.0	14 - 130			
delta-BHC	10.7823	1.0	0.07	16.6667	ND	64.7	9 - 109			
delta-BHC [2C]	13.6263	1.0	0.07	16.6667	ND	81.8	9 - 109			
Dieldrin	15.0003	2.0	0.04	16.6667	ND	90.0	15 - 137			
Dieldrin [2C]	16.6488	2.0	0.04	16.6667	ND	99.9	15 - 137			
Endosulfan I	13.3557	1.0	0.05	16.6667	ND	80.1	15 - 122			
Endosulfan I [2C]	15.6013	1.0	0.05	16.6667	ND	93.6	15 - 122			
Endosulfan II	14.7950	2.0	0.06	16.6667	ND	88.8	10 - 141			
Endosulfan II [2C]	15.8468	2.0	0.06	16.6667	ND	95.1	10 - 141			
Endosulfan sulfate	12.9380	2.0	0.15	16.6667	ND	77.6	7 - 135			
Endosulfan Sulfate [2C]	15.3622	2.0	0.15	16.6667	ND	92.2	7 - 135			



## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community Coll

Report To : Mike Conkle

Reported : 02/21/2020

### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

**Batch B0B0282 - GCSEMI\_PCB/PEST\_S (continued)**

**Matrix Spike (B0B0282-MS1) - Continued**

**Source: 2000395-58**

Prepared: 2/17/2020 Analyzed: 2/17/2020

Endrin	16.5748	2.0	0.08	16.6667	ND	99.4	23 - 137			
Endrin [2C]	18.5480	2.0	0.08	16.6667	ND	111	23 - 137			
Endrin aldehyde	14.8358	2.0	0.09	16.6667	ND	89.0	11 - 138			
Endrin aldehyde [2C]	14.7857	2.0	0.09	16.6667	ND	88.7	11 - 138			
Endrin ketone	12.9467	2.0	0.09	16.6667	ND	77.7	10 - 132			
Endrin ketone [2C]	16.0975	2.0	0.09	16.6667	ND	96.6	10 - 132			
gamma-BHC	12.4743	1.0	0.12	16.6667	ND	74.8	24 - 131			
gamma-BHC [2C]	14.4162	1.0	0.12	16.6667	ND	86.5	24 - 131			
gamma-Chlordane	23.6638	1.0	0.28	16.6667	11.6015	72.4	25 - 126			
gamma-Chlordane [2C]	32.8473	1.0	0.28	16.6667	17.7715	90.5	25 - 126			
Heptachlor	12.9563	1.0	0.06	16.6667	ND	77.7	23 - 130			
Heptachlor [2C]	16.5653	1.0	0.06	16.6667	ND	99.4	23 - 130			
Heptachlor epoxide	14.1130	1.0	0.06	16.6667	ND	84.7	19 - 125			
Heptachlor epoxide [2C]	20.9748	1.0	0.06	16.6667	ND	126	19 - 125			M2
Methoxychlor	18.4175	5.0	0.16	16.6667	ND	111	0 - 156			
Methoxychlor [2C]	16.2967	5.0	0.16	16.6667	ND	97.8	0 - 156			
<hr/>										
Surrogate: Decachlorobiphenyl	12.63			16.6667		75.8	11 - 115			
Surrogate: Decachlorobiphenyl [	16.44			16.6667		98.6	11 - 115			
Surrogate: Tetrachloro-m-xylene	11.29			16.6667		67.7	29 - 106			
Surrogate: Tetrachloro-m-xylene	12.85			16.6667		77.1	29 - 106			

**Matrix Spike Dup (B0B0282-MSD1)**

**Source: 2000395-58**

Prepared: 2/17/2020 Analyzed: 2/17/2020

4,4'-DDD	13.5333	2.0	0.14	16.6667	ND	81.2	17 - 136	2.90	20	
4,4'-DDD [2C]	15.8172	2.0	0.14	16.6667	ND	94.9	17 - 136	1.50	20	
4,4'-DDE	15.1265	2.0	0.20	16.6667	3.29350	71.0	15 - 135	10.0	20	
4,4'-DDE [2C]	17.7673	2.0	0.20	16.6667	3.94017	83.0	15 - 135	20.2	20	R2
4,4'-DDT	13.2365	2.0	0.04	16.6667	2.18417	66.3	0 - 158	30.1	20	R2
4,4'-DDT [2C]	15.9052	2.0	0.04	16.6667	3.07467	77.0	0 - 158	23.7	20	R2
Aldrin	38.4713	1.0	0.05	16.6667	ND	231	20 - 127	76.3	20	M2, R2
Aldrin [2C]	13.8970	1.0	0.05	16.6667	ND	83.4	20 - 127	8.91	20	
alpha-BHC	12.6357	1.0	0.12	16.6667	ND	75.8	22 - 127	0.521	20	
alpha-BHC [2C]	13.5395	1.0	0.12	16.6667	ND	81.2	22 - 127	8.25	20	
alpha-Chlordane	20.0408	1.0	0.06	16.6667	10.0262	60.1	18 - 131	11.9	20	
alpha-Chlordane [2C]	44.8778	1.0	0.06	16.6667	31.9707	77.4	18 - 131	2.64	20	
beta-BHC	11.2325	1.0	0.08	16.6667	ND	67.4	14 - 130	0.646	20	
beta-BHC [2C]	12.7923	1.0	0.08	16.6667	ND	76.8	14 - 130	7.85	20	
delta-BHC	10.9610	1.0	0.07	16.6667	ND	65.8	9 - 109	1.64	20	
delta-BHC [2C]	12.5037	1.0	0.07	16.6667	ND	75.0	9 - 109	8.59	20	
Dieldrin	18.6492	2.0	0.04	16.6667	ND	112	15 - 137	21.7	20	R2
Dieldrin [2C]	17.9167	2.0	0.04	16.6667	ND	108	15 - 137	7.34	20	



## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

**Batch B0B0282 - GCSEMI\_PCB/PEST\_S (continued)**

**Matrix Spike Dup (B0B0282-MSD1) - Continued**

**Source: 2000395-58**

Prepared: 2/17/2020 Analyzed: 2/17/2020

Endosulfan I	11.5535	1.0	0.05	16.6667	ND	69.3	15 - 122	14.5	20	
Endosulfan I [2C]	14.2985	1.0	0.05	16.6667	ND	85.8	15 - 122	8.71	20	
Endosulfan II	12.2462	2.0	0.06	16.6667	ND	73.5	10 - 141	18.9	20	
Endosulfan II [2C]	15.6347	2.0	0.06	16.6667	ND	93.8	10 - 141	1.35	20	
Endosulfan sulfate	11.9192	2.0	0.15	16.6667	ND	71.5	7 - 135	8.20	20	
Endosulfan Sulfate [2C]	13.6688	2.0	0.15	16.6667	ND	82.0	7 - 135	11.7	20	
Endrin	14.9405	2.0	0.08	16.6667	ND	89.6	23 - 137	10.4	20	
Endrin [2C]	17.3342	2.0	0.08	16.6667	ND	104	23 - 137	6.77	20	
Endrin aldehyde	13.0675	2.0	0.09	16.6667	ND	78.4	11 - 138	12.7	20	
Endrin aldehyde [2C]	13.3662	2.0	0.09	16.6667	ND	80.2	11 - 138	10.1	20	
Endrin ketone	11.8510	2.0	0.09	16.6667	ND	71.1	10 - 132	8.84	20	
Endrin ketone [2C]	14.4657	2.0	0.09	16.6667	ND	86.8	10 - 132	10.7	20	
gamma-BHC	12.4320	1.0	0.12	16.6667	ND	74.6	24 - 131	0.340	20	
gamma-BHC [2C]	13.7293	1.0	0.12	16.6667	ND	82.4	24 - 131	4.88	20	
gamma-Chlordane	22.1982	1.0	0.28	16.6667	11.6015	63.6	25 - 126	6.39	20	
gamma-Chlordane [2C]	31.7355	1.0	0.28	16.6667	17.7715	83.8	25 - 126	3.44	20	
Heptachlor	12.9743	1.0	0.06	16.6667	ND	77.8	23 - 130	0.139	20	
Heptachlor [2C]	14.8870	1.0	0.06	16.6667	ND	89.3	23 - 130	10.7	20	
Heptachlor epoxide	17.4243	1.0	0.06	16.6667	ND	105	19 - 125	21.0	20	R2
Heptachlor epoxide [2C]	81.2392	1.0	0.06	16.6667	ND	487	19 - 125	118	20	M2, R2
Methoxychlor	14.2062	5.0	0.16	16.6667	ND	85.2	0 - 156	25.8	20	R2
Methoxychlor [2C]	13.8775	5.0	0.16	16.6667	ND	83.3	0 - 156	16.0	20	

<i>Surrogate: Decachlorobiphenyl</i>	<i>12.82</i>			<i>16.6667</i>		<i>76.9</i>	<i>11 - 115</i>			
<i>Surrogate: Decachlorobiphenyl [</i>	<i>13.47</i>			<i>16.6667</i>		<i>80.8</i>	<i>11 - 115</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.06</i>			<i>16.6667</i>		<i>66.4</i>	<i>29 - 106</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.72</i>			<i>16.6667</i>		<i>70.3</i>	<i>29 - 106</i>			





## Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : T2746-77-10B, Chaffey Community College

Report To : Mike Conkle

Reported : 02/21/2020

### Notes and Definitions

S5	Surrogate recovery was above laboratory acceptance limit. Sample reanalysis showed the same high recovery.
S10	Surrogate recovery was outside of laboratory acceptance limit due to possible matrix interference.
R2	RPD value outside acceptance criteria due to possible matrix interference.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

# CHAIN OF CUSTODY RECORD



**Advanced Technology Laboratories**  
 3275 Walnut Avenue Signal Hill, CA 90755  
 Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. # \_\_\_\_\_  
 Logged by: \_\_\_\_\_  
 Date \_\_\_\_\_

Method of Transport  
 Client  ATL  ATL  
 CA OverN  FedEx  Other: \_\_\_\_\_

Sample Condition Upon Receipt  
 1. CHILLED  SOC  
 2. HEADSPACE (VOA)  Y  N  
 3. CONTAINER INTACT  Y  N

**For Geocon Consultants, Inc.**  
 Project Name: CHAFFEY COMMUNITY COLLEGE  
 Project No.: T2746-77-10B  
 Tel: 818-841-8388  
 Fax: 818-841-1704

Authorized by: Scott Brito  
 Name: Scott Brito  
 Date: \_\_\_\_\_

Relinquished by: *Kelsey Filbin Anytko* 10/4/21/1/20  
 Received by: *[Signature]* 10/4/21/1/20

Client / Send Report To: **Bill To: (  same as Client )**  
 Attn: Mike Conkle and Scott Brito  
 Geocon Consultants Inc.  
 3303 North San Fernando Blvd Suite 100  
 Burbank, CA 91504

**Special Instructions/Comments**  
 1. Analyze OCPs as composite samples from every 4 samples on page 1 of 2.  
 ex: Composite 1 = SS-1-0.0 + SS-2-0.0 + SS-3-0.0 & SS-4-0.0  
 ex: Composite 2 = SS-5-0.0 + SS-6-0.0 + SS-7-0.0 & SS-8-0.0 ..., and so on.  
 2. Analyze Arsenic on every 4 discrete samples. ex. SS-4-0.0, SS-8-0.0, and so on.  
 3. Place samples on page 2 of 2 (Sample ID suffix, "-1.0") on HOLD pending initial OCP & Arsenic results.

**LABORATORY ANALYSIS**  
 OCPs (EPA 8081)  
 Arsenic (6010)

Item	Lab No.	Sample ID/Location	Date	Time	Container Type	No. of Containers	TAT (days)	Composite Sample
		SS-1 - 0.0	2/13/2020	0917	glass jar	1	3	1
		SS-2 - 0.0	2/13/2020	0922	glass jar	1	3	1
		SS-3 - 0.0	2/13/2020	0928	glass jar	1	3	1
		SS-4 - 0.0	2/13/2020	0932	glass jar	1	3	1
		SS-5 - 0.0	2/13/2020	0936	glass jar	1	3	2
		SS-6 - 0.0	2/13/2020	0942	glass jar	1	3	2
		SS-7 - 0.0	2/13/2020	0948	glass jar	1	3	2
		SS-8 - 0.0	2/13/2020	0952	glass jar	1	3	2
		SS-9 - 0.0	2/13/2020	1000	glass jar	1	3	3
		SS-10 - 0.0	2/13/2020	1004	glass jar	1	3	3
		SS-11 - 0.0	2/13/2020	1010	glass jar	1	3	3
		SS-12 - 0.0	2/13/2020	1018	glass jar	1	3	3
		SS-13 - 0.0	2/13/2020	1032	glass jar	1	3	4
		SS-14 - 0.0	2/13/2020	1034	glass jar	1	3	4
		SS-15 - 0.0	2/13/2020	1040	glass jar	1	3	4
		SS-16 - 0.0	2/13/2020	1048	glass jar	1	3	4
		SS-17 - 0.0	2/13/2020	1054	glass jar	1	3	5
		SS-18 - 0.0	2/13/2020	1058	glass jar	1	3	5
		SS-19 - 0.0	2/13/2020	1104	glass jar	1	3	5
		SS-20 - 0.0	2/13/2020	1110	glass jar	1	3	5
		SS-21 - 0.0	2/13/2020	1118	glass jar	1	3	6
		SS-22 - 0.0	2/13/2020	1126	glass jar	1	3	6
		SS-23 - 0.0	2/13/2020	1132	glass jar	1	3	6
		SS-24 - 0.0	2/13/2020	1136	glass jar	1	3	6

*Recd James Bell/UB 2-14-20 12:19*

# CHAIN OF CUSTODY RECORD

**Advanced Technology Laboratories**  
 3275 Walnut Avenue Signal Hill, CA 90755  
 Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. # \_\_\_\_\_  
 Logged by: \_\_\_\_\_  
 Date \_\_\_\_\_

**Method of Transport**  
 Client  ATL   
 CA OverN  FedEx   
 Other: \_\_\_\_\_

**Sample Condition Upon Receipt**  
 1. CHILLED   
 2. HEADSPACE (VOA)   
 3. CONTAINER INTACT

**For Geocon Consultants, Inc.**  
 Project Name: CHAFFEY COMMUNITY COLLEGE  
 Project No.: T2746-77-10B  
 Tel: 818-841-8388  
 Fax: 818-841-1704

**Client / Send Report To:** Bill To:  same as Client  
 Attn: Mike Conkle and Scott Brito  
 Geocon Consultants Inc.  
 3303 North San Fernando Blvd Suite 100  
 Burbank, CA 91504

**Sample/Records - Archival & Dispose**  
 Unless otherwise requested by client, all samples will be disposed of 45 days after receipt and records will be disposed 1 year after submittal of final report.

**Storage Fees (applies when storage is requested):**  
 ■ Sample \$.20 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

Item	Lab No.	Sample ID/Location	Date	Time	Matrix	Container Type	No. of Containers	TAT (days)	Composite Sample
	2000355-25	SS - 25 - 0.0	2/13/2020	1145	soil	glass jar	1	3	7
	2000355-26	SS - 26 - 0.0	2/13/2020	1148	soil	glass jar	1	3	7
	2000355-27	SS - 27 - 0.0	2/13/2020	1155	soil	glass jar	1	3	7
	2000355-28	SS - 28 - 0.0	2/13/2020	1202	soil	glass jar	1	3	7

**LABORATORY ANALYSIS**  
 OCPs (EPA 8081)   
 Arsenic (6010)   
 ■ TAT starts 8AM the following day if samples received after 3:00 PM  
 ■ Preservatives: HCl, HNO3, H2SO4, Zn(AC)2, NaOH, Na2S2O3, 4°C


**Special Instructions/Comments**  
 1. Analyze OCPs as composite samples from every 4 samples on page 1 of 2, ex: Composite 1 = SS-1-0.0 + SS-2-0.0 + SS-3-0.0 & SS-4-0.0  
 ex: Composite 2 = SS-5-0.0 + SS-6-0.0 + SS-7-0.0 & SS-8-0.0 ..., and so on.  
 2. Analyze Arsenic on every 4 discrete samples. ex. SS-4-0.0, SS-8-0.0, and so on.  
 3. Place samples on page 2 of 2 (Sample ID suffix, "-1.0") on HOLD pending initial OCP & Arsenic results.

Relinquished by: *Nelsy Gilman* 10:41 2/14/20  
 Received by: *[Signature]* 10:41 2/14/20

Authorized by: Scott Brito  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

*Athlsta 2/14/20 12:19*  
*Recvd Amber Bell/B 2-14-20 12:19*

# CHAIN OF CUSTODY RECORD



**Advanced Technology Laboratories**  
 3275 Walnut Avenue Signal Hill, CA 90755  
 Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. # \_\_\_\_\_  
 Logged by: \_\_\_\_\_  
 Date \_\_\_\_\_

Method of Transport  
 Client  
 ATL  
 CA OverN  
 FedEx  
 Other: \_\_\_\_\_

1. CHILLED  Y  N  
 2. HEADSPACE (VOA)  Y  N  
 3. CONTAINER INTACT  Y  N

Sample Condition Upon Receipt  Y  N

Authorized by: Scott Brito Name: Scott Brito Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Relinquished by: Morgan Kelly Filber W. J. W. J. 2/14/20

Received by: [Signature] 1041 2/14/20

**Special Instructions/Comments**  
 1. Analyze OCPs as composite samples from every 4 samples on page 1 of 2.  
 ex: Composite 1 = SS-1-0.0 + SS-2-0.0 + SS-3-0.0 & SS-4-0.0  
 ex: Composite 2 = SS-5-0.0 + SS-6-0.0 + SS-7-0.0 ..., and so on.  
 2. Analyze Arsenic on every 4 discrete samples. ex. SS-4-0.0, SS-8-0.0, and so on.  
 3. Place samples on page 2 of 2 (Sample ID suffix: "-1.0") on HOLD pending initial OCP & Arsenic results.

**LABORATORY ANALYSIS**  
 OCPs (EPA 8081)  
 Arsenic (6010)  
 HCl, HNO3, H2SO4, Zn(AC)2, NaOH, Na2S2O3, 4°C  
 Preservatives:  
 TAT starts 8AM the following day if samples received after 3:00 PM

Item	Lab No.	Sample ID/Location	Date	Time	Container Type	No. of Containers	TAT (days)	Note
		SS-1 - 1.0	2/13/2020	0919	glass jar	1	TBD	HOLD
		SS-2 - 1.0	2/13/2020	0924	glass jar	1	TBD	HOLD
		SS-3 - 1.0	2/13/2020	0930	glass jar	1	TBD	HOLD
		SS-4 - 1.0	2/13/2020	0933	glass jar	1	TBD	HOLD
		SS-5 - 1.0	2/13/2020	0940	glass jar	1	TBD	HOLD
		SS-6 - 1.0	2/13/2020	0944	glass jar	1	TBD	HOLD
		SS-7 - 1.0	2/13/2020	0950	glass jar	1	TBD	HOLD
		SS-8 - 1.0	2/13/2020	0954	glass jar	1	TBD	HOLD
		SS-9 - 1.0	2/13/2020	1002	glass jar	1	TBD	HOLD
		SS-10 - 1.0	2/13/2020	1006	glass jar	1	TBD	HOLD
		SS-11 - 1.0	2/13/2020	1012	glass jar	1	TBD	HOLD
		SS-12 - 1.0	2/13/2020	1020	glass jar	1	TBD	HOLD
		SS-13 - 1.0	2/13/2020	1030	glass jar	1	TBD	HOLD
		SS-14 - 1.0	2/13/2020	1036	glass jar	1	TBD	HOLD
		SS-15 - 1.0	2/13/2020	1042	glass jar	1	TBD	HOLD
		SS-16 - 1.0	2/13/2020	1050	glass jar	1	TBD	HOLD
		SS-17 - 1.0	2/13/2020	1056	glass jar	1	TBD	HOLD
		SS-18 - 1.0	2/13/2020	1100	glass jar	1	TBD	HOLD
		SS-19 - 1.0	2/13/2020	1006	glass jar	1	TBD	HOLD
		SS-20 - 1.0	2/13/2020	1112	glass jar	1	TBD	HOLD
		SS-21 - 1.0	2/13/2020	1120	glass jar	1	TBD	HOLD
		SS-22 - 1.0	2/13/2020	1126	glass jar	1	TBD	HOLD
		SS-23 - 1.0	2/13/2020	1134	glass jar	1	TBD	HOLD
		SS-24 - 1.0	2/13/2020	1136	glass jar	1	TBD	HOLD

**Client / Send Report To:** Bill To: (X) same as Client

Attn: Mike Conkle and Scott Brito


Geocon Consultants Inc.  
 3303 North San Fernando Blvd Suite 100  
 Burbank, CA 91504

**Sample/Records - Archival & Disposal**  
 Unless otherwise requested by client, all samples will be disposed of 45 days after receipt and records will be disposed 1 year after submittal of final report.  
**Storage Fees (applies when storage is requested):**  
 Sample: \$2.00 / sample /mo (after 45 days)  
 Records: \$1 /ATL workorder /mo (after 1 year)

QA/QC  
 RTNE   
 CT   
 SWRCB   
 logcode: \_\_\_\_\_

Received from Bob Ball 2/14/20 12:19  
 Scott Brito 2/14/20 12:19

# CHAIN OF CUSTODY RECORD



**Advanced Technology Laboratories**  
3275 Walnut Avenue Signal Hill, CA 90755  
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. # \_\_\_\_\_

Logged by: \_\_\_\_\_

Date \_\_\_\_\_

Method of Transport  
 Client  
 ATL  
 CA OverN  
 FedEx  
 Other: \_\_\_\_\_

Sample Condition Upon Receipt  
 1. CHILLED  Y  SAC  
 2. HEADSPACE (VOA)  Y   
 3. CONTAINER INTACT  Y

---

**For Geocon Consultants, Inc.**  
 Project Name: CHAFFEE COMMUNITY COLLEGE  
 Project No.: T2746-77-10B  
 Tel: 818-841-8388  
 Fax: 818-841-1704

Authorized by: Scott Brito  
 Name: Scott Brito  
 Date: \_\_\_\_\_

Relinquished by: Kelsey Egan MD 10:14 2/14/20  
 Received by: [Signature] 10:41 2/14/20

---

**Client / Send Report To:**  
 Attn: Mike Conkle and Scott Brito  
 Geocon Consultants Inc.  
 3303 North San Fernando Blvd Suite 100  
 Burbank, CA 91504

**Bill To:** (  same as Client )

**Special Instructions/Comments:**  
 1. Analyze OCPs as composite samples from every 4 samples on page 1 of 2.  
 ex: Composite 1 = SS-1-0.0 + SS-2-0.0 + SS-3-0.0 & SS-4-0.0  
 ex: Composite 2 = SS-5-0.0 + SS-6-0.0 + SS-7-0.0 & SS-8-0.0.... and so on.  
 2. Analyze Arsenic on every 4 discrete samples. ex. SS-4-0.0, SS-8-0.0, and so on.  
 3. Place samples on page 2 of 2 (Sample ID suffix, "-1.0") on HOLD pending initial OCP & Arsenic results.

---

**LABORATORY ANALYSIS**  
 OCPs (EPA 8081)  
 Arsenic (6010)

■ TAT starts 8AM the following day if samples received after 3:00 PM  
 ■ Preservatives: HCl, HNO3, H2SO4, Zn(AC)2, NaOH, Na2S2O3, 4°C

QA/QC  
 RTNE   
 CT   
 SWRCB   
 logcode: \_\_\_\_\_

---

Item	Lab No.	Sample ID/Location	Date	Time	Matrix	Container Type	No. of Containers	TAT (days)	Note
	20039553	SS - 25 - 1.0	2/13/2020	1147	soil	glass jar	1	TBD	HOLD
	-57	SS - 26 - 1.0	2/13/2020	1150	soil	glass jar	1	TBD	HOLD
	-58	SS - 27 - 1.0	2/13/2020	1158	soil	glass jar	1	TBD	HOLD
	-59	SS - 28 - 1.0	2/13/2020	1204	soil	glass jar	1	TBD	HOLD
	-60	Comp 1 SS-1-0.0/SS-4-0.0							X
	-61	Comp 2 SS-5-0.0/SS-8-0.0							X
	-62	Comp 3 SS-9-0.0/SS-12-0.0							X
	-63	Comp 4 SS-13-0.0/SS-16-0.0							X
	-64	Comp 5 SS-17-0.0/SS-20-0.0							X
	-65	Comp 6 SS-21-0.0/SS-24-0.0							X
	-66	Comp 7 SS-25-0.0/SS-28-0.0							X

2/14/20 12:19  
 ATL  
 Rec'd from [Signature] 2-14-20 12:19