

# LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT



**408 HOLLISTER STREET  
SAN DIEGO, CALIFORNIA**

***PREPARED FOR:***

**RED TAIL ACQUISITIONS, LLC  
2082 MICHAELSON DRIVE, 3<sup>RD</sup> FLOOR  
IRVINE, CALIFORNIA 92612**

***PREPARED BY:***

**GEOCON INCORPORATED  
6960 FLANDERS DRIVE  
SAN DIEGO, CALIFORNIA 92121-2974**





Project No. G2129-62-02A  
September 12, 2019

Red Tail Acquisitions, LLC  
2082 Michelson Drive, 3<sup>rd</sup> Floor  
Irvine, California 92612

Attention: Kim Berry

Subject: LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT  
408 HOLLISTER STREET  
SAN DIEGO, CALIFORNIA

Dear Ms. Berry:

In accordance with your request and our change order dated August 28, 2019, we have performed a limited Phase II Environmental Site Assessment (ESA) of the property at 408 Hollister Street (the Site) in San Diego, California (Figure 1). This letter report summarizes site background information, describes the scope of work for the limited Phase II ESA, and presents the findings of our assessment.

## **BACKGROUND**

We performed a Phase I ESA of the approximate 14-acre Site and presented our findings in our *Phase I Environmental Site Assessment Report, 408 Hollister Street, San Diego, California*, dated December 6, 2017. We identified agricultural use of the Site on aerial photographs from 1949 to approximately the mid-1960's. We considered the historical agricultural use of the Site a recognized environmental condition, given the potential for persistent pesticides and arsenic (commonly used in pesticides) to be present at the Site. We recommended collecting soil samples and analyzing them for organochlorine pesticides (OCPs) and arsenic.

## **SCOPE OF WORK**

The scope of the limited Phase II ESA consisted of the following:

- Retaining Advanced Technology Laboratories (ATL), a state-certified laboratory, to perform laboratory analysis of soil samples;
- Collecting soil samples from the locations depicted on Figure 2;
- Analyzing soil samples for the presence of OCPs and arsenic; and
- Preparing this report detailing our findings from the assessment.

Following are summaries of the field activities and laboratory analysis.

### **Field Activities**

On August 30, 2019, we collected 24 discrete surface (depth of 0 to 6 inches) soil samples (B1-0.5' through B24-0.5') from the Site at the approximate locations depicted on Figure 2. The samples were collected using a decontaminated hand trowel and then transferred into laboratory-provided 4-ounce jars. The jars were capped with Teflon-lined lids, labeled, and placed in a chilled cooler for transport to the laboratory under chain-of-custody protocol.

### **Laboratory Analysis**

We instructed ATL to make six, four-part composite samples from similar locations from the 24 discrete samples to be analyzed for OCPs by United States Environmental Protection Agency (US EPA) test method 8081. The laboratory retained a portion of one discrete sample from each composite sample to be analyzed for arsenic by US EPA test method 6010B. ATL analyzed the samples on a standard 5-day turnaround time.

## **FINDINGS**

### **Observations**

In general, the soil samples collected at the Site were dark brown to yellowish brown, silty sands. We observed no obvious signs of contamination such as odors or discoloration in the collected soil samples.

### **Laboratory Analysis Results**

The results of the analytical testing are summarized in Table 1 and summarized below.

#### *OCPs*

Dichlorodiphenyldichloroethylene (DDE) was detected in five of the six composite samples at concentrations ranging from 2.4 to 31 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ), which is less than the San Francisco Bay Regional Water Control Board Environmental Screening Level (ESL) for DDE in residential soil of 1,800  $\mu\text{g}/\text{kg}$ .

Dichlorodiphenyltrichloroethane (DDT) was detected in two of the six composite samples at concentrations of 4.8 and 18  $\mu\text{g}/\text{kg}$ , which is less than the ESL for residential soil of 1,900  $\mu\text{g}/\text{kg}$ .

Alpha-chlordane and gamma-chlordane were detected in one of the six composite samples at concentrations of 3.4 and 2.9 µg/kg, respectively. There are no established screening levels for these chemicals.

Chlordane was detected in one of the composite samples at a concentration of 28 µg/kg, which is less than the ESL for chlordane in residential soil of 1,700 µg/kg.

No other OCPs were detected at concentrations exceeding the laboratory PQLs in the six composite samples. All analysis method PQLs were less than the ESLs for residential soil, where established.

#### *Arsenic*

Arsenic was detected in all six of the discrete samples analyzed at concentrations ranging from 2.3 to 4.1 milligrams per kilogram (mg/kg), which exceeds the ESL for arsenic in residential soil. Naturally occurring or “background” arsenic concentrations in California soils typically range from 0.6 to 12 mg/kg and higher depending on the mineralogy of the soil’s parent material. Therefore, regulatory agencies allow comparison of arsenic concentrations in soil to naturally occurring background arsenic concentrations instead of screening levels. The reported sample concentrations are within the range of naturally occurring arsenic concentrations for soil.

### **CONCLUSION AND RECOMMENDATIONS**

The laboratory analysis results for the soil samples collected from the Site indicate that workers and future site occupants will not be exposed to OCPs or arsenic in soil at concentrations that will be a potential threat to human health. Therefore, no further investigation of the nature and extent of OCPs and arsenic in soil at the Site appears to be warranted at this time.

### **LIMITATIONS**

The conclusions presented in this report are based upon limited soil sampling and analysis within the scope and budget of the contract. The information presented is relevant to the dates of our site investigation and should not be relied upon to represent conditions at later dates. The opinions expressed herein are based on our experience with similar studies and information obtained during our effort. If additional information becomes available, we request the opportunity to review the information and modify our opinions, if necessary. Any reliance upon the information, conclusions, or recommendations contained in this report shall be at the sole risk of the party undertaking such use.

Our services have been conducted using the degree of care and skill ordinarily exercised, under similar circumstances, by environmental sciences consultants practicing in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented in this report. Geocon

is not responsible for the conclusions, opinions, or recommendations made by others based on this information.

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We appreciate the opportunity to have performed this limited Phase II ESA. Please contact the undersigned with any comments or questions.

Very truly yours,

GEOCON INCORPORATED



Mitchell H. Wagner  
Staff Scientist



Troy K. Reist, CEG  
Senior Geologist



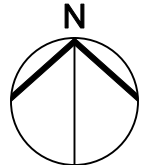
MHW:TKR:kcd

Attachments: Figure 1 – Vicinity Map  
Figure 2 – Site Plan  
Table 1 – Summary of Laboratory Analysis Results – Soil  
ATL Laboratory Analytical Report and Chain-of-Custody Documentation

(e-mail) Addressee



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NO SCALE

VICINITY MAP

**GEOCON**  
INCORPORATED



GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS  
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974  
PHONE 858 558-6900 - FAX 558-6159

408 HOLLISTER STREET  
SAN DIEGO, CALIFORNIA

MHW

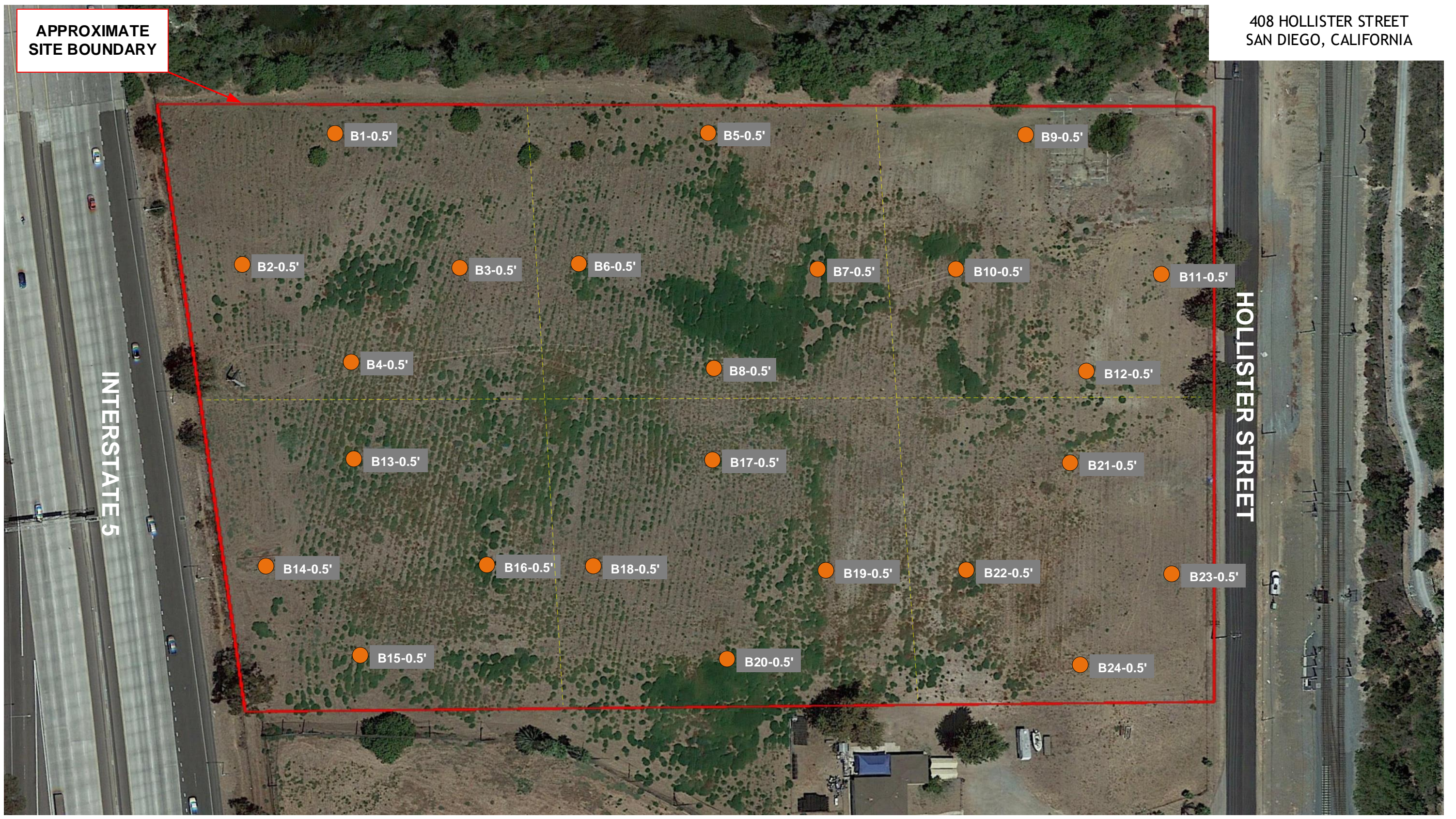
SEPTEMBER 2019

PROJECT NO. G2129-62-02A

FIG. 1

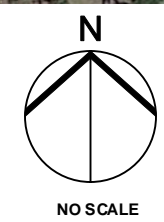
APPROXIMATE  
SITE BOUNDARY

408 HOLLISTER STREET  
SAN DIEGO, CALIFORNIA



**GEOCON LEGEND**

- B24-05' - APPROXIMATE LOCATION OF SOIL SAMPLE
- - - - APPROXIMATE BOUNDARIES OF SIMILAR AREAS FOR COMPOSITE SAMPLES



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 PHONE 858 558-6900 - FAX 558-6159  
 PROJECT NO. G2129-62-02A  
 FIGURE 2  
 DATE SEPTEMBER 2019

**SITE PLAN**

THE GEOGRAPHICAL INFORMATION MADE AVAILABLE FOR DISPLAY WAS PROVIDED BY GOOGLE EARTH, SUBJECT TO A LICENSING AGREEMENT. THE INFORMATION IS FOR ILLUSTRATIVE PURPOSES ONLY; IT IS NOT INTENDED FOR CLIENT'S USE OR RELIANCE AND SHALL NOT BE REPRODUCED BY CLIENT. CLIENTS SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS GEOCON FROM ANY LIABILITY INCURRED AS A RESULT OF SUCH USE OR RELIANCE BY CLIENT.

TABLE 1  
SUMMARY OF LABORATORY ANALYSIS RESULTS - SOIL  
ORGANOCHLORINE PESTICIDES AND ARSENIC  
408 HOLLISTER STREET  
SAN DIEGO, CALIFORNIA

SAMPLE ID	SAMPLE DATE	APPROX. DEPTH (feet)	Organochlorine Pesticides (µg/kg)						Metals (mg/kg)
			DDE	DDT	alpha-Chlordane	gamma-Chlordane	Chlordane	Other OCPs	Arsenic
Composite B1-0.5' through B4-0.5'	8/30/2019	0	2.3	<2.0	<1.0	<1.0	<8.5	ND	-
Composite B5-0.5' through B8-0.5'	8/30/2019	0	7.6	<2.0	<1.0	<1.0	<8.5	ND	-
Composite B9-0.5' through B12-0.5'	8/30/2019	0	31	18	3.4	2.9	28	ND	-
Composite B13-0.5' through B16-0.5'	8/30/2019	0	2.4	<2.0	<1.0	<1.0	<8.5	ND	-
Composite B17-0.5' through B20-0.5'	8/30/2019	0	<2.0	<2.0	<1.0	<1.0	<8.5	ND	-
Composite B21-0.5' through B24-0.5'	8/30/2019	0	4.9	4.8	<1.0	<1.0	<8.5	ND	-
B2-0.5'	8/30/2019	0	-	-	-	-	-	-	2.8
B6-0.5'	8/30/2019	0	-	-	-	-	-	-	2.3
B10-0.5'	8/30/2019	0	-	-	-	-	-	-	4.1
B14-0.5'	8/30/2019	0	-	-	-	-	-	-	3.1
B18-0.5'	8/30/2019	0	-	-	-	-	-	-	2.5
B22-0.5'	8/30/2019	0	-	-	-	-	-	-	3.0
SFBRWQCB ESLs for Residential Soil			1,800	1,900	-	-	480	-	0.067
US EPA RSLs for Residential Soil			2,000	1,900	-	-	1,700	-	0.68
Upper-end Estimates of Regional Background Levels			NA	NA	NA	NA	NA	NA	12 <sup>(1)</sup>

Notes:

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

< = less than the method detection limit

- = not available

ND = not detected at or above the laboratory detection limit

(1) = Based upon the report prepared by the Department of Toxic Substance Control titled Determination of a Southern California Regional Background Arsenic Concentration in Soil, dated March 2008

SFBRWQCB ESLs for Residential Soil = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, January 2019

US EPA RSLs = United States Environmental Protection Agency's Regional Screening Levels, April 2019





September 11, 2019

Mitchell Wagner  
Geocon, Inc.  
6960 Flanders Drive  
San Diego, CA 92121  
Tel: (858) 558-6900  
Fax:(858) 558-8437

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

RE: ATL Work Order Number : 1903237  
Client Reference : 408 Hollister Street, G2129-62-02A

Enclosed are the results for sample(s) received on August, 30 2019 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 "Edgar Caballero", with a small "for" written below the first few letters.

Edgar Caballero  
President & 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.



## Certificate of Analysis

Geocon, Inc.  
6960 Flanders Drive  
San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B2-0.5'	1903237-02	Soil	8/30/19 9:05	8/30/19 12:28
B6-0.5'	1903237-06	Soil	8/30/19 9:25	8/30/19 12:28
B10-0.5'	1903237-10	Soil	8/30/19 9:45	8/30/19 12:28
B14-0.5'	1903237-14	Soil	8/30/19 10:05	8/30/19 12:28
B18-0.5'	1903237-18	Soil	8/30/19 10:25	8/30/19 12:28
B22-0.5'	1903237-22	Soil	8/30/19 10:45	8/30/19 12:28
Composite B1-0.5' to B4-0.5'	1903237-25	Soil	8/30/19 0:00	8/30/19 12:28
Composite B5-0.5' to B8-0.5'	1903237-26	Soil	8/30/19 0:00	8/30/19 12:28
Composite B9-0.5' to B12-0.5'	1903237-27	Soil	8/30/19 0:00	8/30/19 12:28
Composite B13-0.5' to B16-0.5'	1903237-28	Soil	8/30/19 0:00	8/30/19 12:28
Composite B17-0.5' to B20-0.5'	1903237-29	Soil	8/30/19 0:00	8/30/19 12:28
Composite B21-0.5' to B24-0.5'	1903237-30	Soil	8/30/19 0:00	8/30/19 12:28



## Certificate of Analysis

Geocon, Inc.  
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San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

**Client Sample ID B2-0.5'**

**Lab ID: 1903237-02**

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

**Analyst: VV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.8	1.0	1	B910130	09/05/2019	09/06/19 16:10	



## Certificate of Analysis

Geocon, Inc.  
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San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A  
Report To : Mitchell Wagner  
Reported : 09/11/2019

**Client Sample ID B6-0.5'**

**Lab ID: 1903237-06**

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

**Analyst: VV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.3	1.0	1	B910130	09/05/2019	09/06/19 16:13	



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Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

**Client Sample ID B10-0.5'**

**Lab ID: 1903237-10**

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

**Analyst: VV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.1	1.0	1	B910130	09/05/2019	09/06/19 16:15	



## Certificate of Analysis

Geocon, Inc.  
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Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

**Client Sample ID B14-0.5'**

**Lab ID: 1903237-14**

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

**Analyst: VV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.1	1.0	1	B910130	09/05/2019	09/06/19 16:16	



## Certificate of Analysis

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Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

**Client Sample ID B18-0.5'**

**Lab ID: 1903237-18**

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

**Analyst: VV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B910130	09/05/2019	09/06/19 16:17	



## Certificate of Analysis

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Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

**Client Sample ID B22-0.5'**

**Lab ID: 1903237-22**

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

**Analyst: VV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.0	1.0	1	B910130	09/05/2019	09/06/19 16:18	





## Certificate of Analysis

Geocon, Inc.  
6960 Flanders Drive  
San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

### Client Sample ID Composite B1-0.5' to B4-0.5'

Lab ID: 1903237-25

#### Organochlorine Pesticides by EPA 8081

Analyst: BL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:45	
4,4'-DDE	2.3	2.0	1	B9I0146	09/05/2019	09/05/19 14:45	
4,4'-DDT	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Aldrin	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:45	
alpha-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:45	
alpha-Chlordane	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:45	
beta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Chlordane	ND	8.5	1	B9I0146	09/05/2019	09/05/19 14:45	
delta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Dieldrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Endosulfan I	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Endosulfan II	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Endosulfan sulfate	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Endrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Endrin aldehyde	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Endrin ketone	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:45	
gamma-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:45	
gamma-Chlordane	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Heptachlor	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Heptachlor epoxide	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Methoxychlor	ND	5.0	1	B9I0146	09/05/2019	09/05/19 14:45	
Toxaphene	ND	50	1	B9I0146	09/05/2019	09/05/19 14:45	
<i>Surrogate: Decachlorobiphenyl</i>	64.3 %	32 - 91		B9I0146	09/05/2019	09/05/19 14:45	
<i>Surrogate: Tetrachloro-m-xylene</i>	59.2 %	38 - 93		B9I0146	09/05/2019	09/05/19 14:45	



## Certificate of Analysis

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San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

**Client Sample ID Composite B5-0.5' to B8-0.5'**

**Lab ID: 1903237-26**

### Organochlorine Pesticides by EPA 8081

Analyst: BL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:55	
4,4'-DDE	7.6	2.0	1	B9I0146	09/05/2019	09/05/19 14:55	
4,4'-DDT	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Aldrin	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:55	
alpha-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:55	
alpha-Chlordane	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:55	
beta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Chlordane	ND	8.5	1	B9I0146	09/05/2019	09/05/19 14:55	
delta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Dieldrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Endosulfan I	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Endosulfan II	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Endosulfan sulfate	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Endrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Endrin aldehyde	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Endrin ketone	ND	2.0	1	B9I0146	09/05/2019	09/05/19 14:55	
gamma-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:55	
gamma-Chlordane	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Heptachlor	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Heptachlor epoxide	ND	1.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Methoxychlor	ND	5.0	1	B9I0146	09/05/2019	09/05/19 14:55	
Toxaphene	ND	50	1	B9I0146	09/05/2019	09/05/19 14:55	
<i>Surrogate: Decachlorobiphenyl</i>	66.7 %	32 - 91		B9I0146	09/05/2019	09/05/19 14:55	
<i>Surrogate: Tetrachloro-m-xylene</i>	318 %	38 - 93		B9I0146	09/05/2019	09/05/19 14:55	S10



## Certificate of Analysis

Geocon, Inc.  
6960 Flanders Drive  
San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

**Client Sample ID Composite B9-0.5' to B12-0.5'**

**Lab ID: 1903237-27**

### Organochlorine Pesticides by EPA 8081

Analyst: BL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:06	
4,4'-DDE	31	2.0	1	B9I0146	09/05/2019	09/05/19 15:06	
4,4'-DDT	18	2.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Aldrin	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:06	
alpha-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:06	
alpha-Chlordane [2C]	3.4	1.0	1	B9I0146	09/05/2019	09/05/19 15:06	
beta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Chlordane [2C]	28	8.5	1	B9I0146	09/05/2019	09/05/19 15:06	
delta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Dieldrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Endosulfan I	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Endosulfan II	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Endosulfan sulfate	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Endrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Endrin aldehyde	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Endrin ketone	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:06	
gamma-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:06	
gamma-Chlordane [2C]	2.9	1.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Heptachlor	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Heptachlor epoxide	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Methoxychlor	ND	5.0	1	B9I0146	09/05/2019	09/05/19 15:06	
Toxaphene	ND	50	1	B9I0146	09/05/2019	09/05/19 15:06	
<i>Surrogate: Decachlorobiphenyl</i>	72.3 %	32 - 91		B9I0146	09/05/2019	09/05/19 15:06	
<i>Surrogate: Tetrachloro-m-xylene</i>	64.7 %	38 - 93		B9I0146	09/05/2019	09/05/19 15:06	



## Certificate of Analysis

Geocon, Inc.  
6960 Flanders Drive  
San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

### Client Sample ID Composite B13-0.5' to B16-0.5'

Lab ID: 1903237-28

#### Organochlorine Pesticides by EPA 8081

Analyst: BL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:16	
4,4'-DDE	2.4	2.0	1	B9I0146	09/05/2019	09/05/19 15:16	
4,4'-DDT	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Aldrin	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:16	
alpha-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:16	
alpha-Chlordane	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:16	
beta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Chlordane	ND	8.5	1	B9I0146	09/05/2019	09/05/19 15:16	
delta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Dieldrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Endosulfan I	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Endosulfan II	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Endosulfan sulfate	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Endrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Endrin aldehyde	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Endrin ketone	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:16	
gamma-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:16	
gamma-Chlordane	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Heptachlor	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Heptachlor epoxide	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Methoxychlor	ND	5.0	1	B9I0146	09/05/2019	09/05/19 15:16	
Toxaphene	ND	50	1	B9I0146	09/05/2019	09/05/19 15:16	
<i>Surrogate: Decachlorobiphenyl</i>	63.6 %	32 - 91		B9I0146	09/05/2019	09/05/19 15:16	
<i>Surrogate: Tetrachloro-m-xylene</i>	58.4 %	38 - 93		B9I0146	09/05/2019	09/05/19 15:16	



# Certificate of Analysis

Geocon, Inc.  
 6960 Flanders Drive  
 San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

## Client Sample ID Composite B17-0.5' to B20-0.5'

Lab ID: 1903237-29

### Organochlorine Pesticides by EPA 8081

Analyst: BL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:27	
4,4'-DDE	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:27	
4,4'-DDT	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Aldrin	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:27	
alpha-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:27	
alpha-Chlordane	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:27	
beta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Chlordane	ND	8.5	1	B9I0146	09/05/2019	09/05/19 15:27	
delta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Dieldrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Endosulfan I	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Endosulfan II	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Endosulfan sulfate	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Endrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Endrin aldehyde	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Endrin ketone	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:27	
gamma-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:27	
gamma-Chlordane	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Heptachlor	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Heptachlor epoxide	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Methoxychlor	ND	5.0	1	B9I0146	09/05/2019	09/05/19 15:27	
Toxaphene	ND	50	1	B9I0146	09/05/2019	09/05/19 15:27	
<i>Surrogate: Decachlorobiphenyl</i>	<i>74.0 %</i>	<i>32 - 91</i>		B9I0146	09/05/2019	<i>09/05/19 15:27</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>60.3 %</i>	<i>38 - 93</i>		B9I0146	09/05/2019	<i>09/05/19 15:27</i>	



## Certificate of Analysis

Geocon, Inc.  
6960 Flanders Drive  
San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

### Client Sample ID Composite B21-0.5' to B24-0.5'

Lab ID: 1903237-30

#### Organochlorine Pesticides by EPA 8081

Analyst: BL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:38	
4,4'-DDE	4.9	2.0	1	B9I0146	09/05/2019	09/05/19 15:38	
4,4'-DDT	4.8	2.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Aldrin	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:38	
alpha-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:38	
alpha-Chlordane	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:38	
beta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Chlordane	ND	8.5	1	B9I0146	09/05/2019	09/05/19 15:38	
delta-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Dieldrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Endosulfan I	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Endosulfan II	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Endosulfan sulfate	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Endrin	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Endrin aldehyde	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Endrin ketone	ND	2.0	1	B9I0146	09/05/2019	09/05/19 15:38	
gamma-BHC	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:38	
gamma-Chlordane	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Heptachlor	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Heptachlor epoxide	ND	1.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Methoxychlor	ND	5.0	1	B9I0146	09/05/2019	09/05/19 15:38	
Toxaphene	ND	50	1	B9I0146	09/05/2019	09/05/19 15:38	
<i>Surrogate: Decachlorobiphenyl</i>	66.7 %	32 - 91		B9I0146	09/05/2019	09/05/19 15:38	
<i>Surrogate: Tetrachloro-m-xylene</i>	61.2 %	38 - 93		B9I0146	09/05/2019	09/05/19 15:38	



## Certificate of Analysis

Geocon, Inc.  
6960 Flanders Drive  
San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A  
Report To : Mitchell Wagner  
Reported : 09/11/2019

### 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 B910130 - EPA 3050B_S</b>										
<b>Blank (B910130-BLK1)</b>					Prepared: 9/5/2019 Analyzed: 9/6/2019					
Arsenic	ND	1.0	0.12							
<b>LCS (B910130-BS1)</b>					Prepared: 9/5/2019 Analyzed: 9/6/2019					
Arsenic	45.9028	1.0	0.12	50.0000		91.8	80 - 120			
<b>Matrix Spike (B910130-MS1)</b>					<b>Source: 1903237-02</b> Prepared: 9/5/2019 Analyzed: 9/6/2019					
Arsenic	96.5025	1.0	0.12	125.000	2.77059	75.0	46 - 97			
<b>Matrix Spike Dup (B910130-MSD1)</b>					<b>Source: 1903237-02</b> Prepared: 9/5/2019 Analyzed: 9/6/2019					
Arsenic	94.6542	1.0	0.12	125.000	2.77059	73.5	46 - 97	1.93	20	



## Certificate of Analysis

Geocon, Inc.  
6960 Flanders Drive  
San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A  
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Reported : 09/11/2019

### Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B9I0146 - GCSEMI\_PCB/PEST\_S**

**Blank (B9I0146-BLK1)**

Prepared: 9/5/2019 Analyzed: 9/5/2019

4,4'-DDD	ND	2.0	0.07
4,4'-DDD [2C]	ND	2.0	0.07
4,4'-DDE	ND	2.0	0.11
4,4'-DDE [2C]	ND	2.0	0.11
4,4'-DDT	ND	2.0	0.10
4,4'-DDT [2C]	ND	2.0	0.10
Aldrin	ND	1.0	0.12
Aldrin [2C]	ND	1.0	0.12
alpha-BHC	ND	1.0	0.11
alpha-BHC [2C]	ND	1.0	0.11
alpha-Chlordane	ND	1.0	0.12
alpha-Chlordane [2C]	ND	1.0	0.12
beta-BHC	ND	1.0	0.06
beta-BHC [2C]	ND	1.0	0.06
Chlordane	ND	8.5	1.1
Chlordane [2C]	ND	8.5	1.1
delta-BHC	ND	1.0	0.12
delta-BHC [2C]	ND	1.0	0.12
Dieldrin	ND	2.0	0.26
Dieldrin [2C]	ND	2.0	0.26
Endosulfan I	ND	1.0	0.10
Endosulfan I [2C]	ND	1.0	0.10
Endosulfan II	ND	2.0	0.15
Endosulfan II [2C]	ND	2.0	0.15
Endosulfan sulfate	ND	2.0	0.16
Endosulfan Sulfate [2C]	ND	2.0	0.16
Endrin	ND	2.0	0.14
Endrin [2C]	ND	2.0	0.14
Endrin aldehyde	ND	2.0	0.31
Endrin aldehyde [2C]	ND	2.0	0.31
Endrin ketone	ND	2.0	0.13
Endrin ketone [2C]	ND	2.0	0.13
gamma-BHC	ND	1.0	0.10
gamma-BHC [2C]	ND	1.0	0.10
gamma-Chlordane	ND	1.0	0.89
gamma-Chlordane [2C]	ND	1.0	0.89
Heptachlor	ND	1.0	0.12
Heptachlor [2C]	ND	1.0	0.12
Heptachlor epoxide	ND	1.0	0.09
Heptachlor epoxide [2C]	ND	1.0	0.09
Methoxychlor	ND	5.0	0.18





## Certificate of Analysis

Geocon, Inc.  
6960 Flanders Drive  
San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

### Organochlorine Pesticides by EPA 8081 - 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
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**Batch B9I0146 - GCSEMI\_PCB/PEST\_S (continued)**

**Blank (B9I0146-BLK1) - Continued**

Prepared: 9/5/2019 Analyzed: 9/5/2019

Methoxychlor [2C]	ND	5.0	0.18
Toxaphene	ND	50	4.7
Toxaphene [2C]	ND	50	4.7

<i>Surrogate: Decachlorobiphenyl</i>	<i>14.64</i>		<i>16.6667</i>	<i>87.8</i>	<i>32 - 91</i>
<i>Surrogate: Decachlorobiphenyl [2</i>	<i>14.76</i>		<i>16.6667</i>	<i>88.6</i>	<i>32 - 91</i>
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.76</i>		<i>16.6667</i>	<i>82.6</i>	<i>38 - 93</i>
<i>Surrogate: Tetrachloro-m-xylene [</i>	<i>13.38</i>		<i>16.6667</i>	<i>80.3</i>	<i>38 - 93</i>

**LCS (B9I0146-BS1)**

Prepared: 9/5/2019 Analyzed: 9/5/2019

4,4'-DDD	19.6245	2.0	0.07	16.6667	118	66 - 112	L3
4,4'-DDD [2C]	18.0925	2.0	0.07	16.6667	109	66 - 112	
4,4'-DDE	18.8708	2.0	0.11	16.6667	113	62 - 112	L3
4,4'-DDE [2C]	17.7963	2.0	0.11	16.6667	107	62 - 112	
4,4'-DDT	21.0085	2.0	0.10	16.6667	126	48 - 90	L3
4,4'-DDT [2C]	20.3875	2.0	0.10	16.6667	122	48 - 90	L3
Aldrin	17.1402	1.0	0.12	16.6667	103	58 - 104	
Aldrin [2C]	16.1652	1.0	0.12	16.6667	97.0	58 - 104	
alpha-BHC	16.4975	1.0	0.11	16.6667	99.0	57 - 105	
alpha-BHC [2C]	15.9490	1.0	0.11	16.6667	95.7	57 - 105	
alpha-Chlordane	16.4808	1.0	0.12	16.6667	98.9	62 - 108	
alpha-Chlordane [2C]	16.6938	1.0	0.12	16.6667	100	62 - 108	
beta-BHC	17.6252	1.0	0.06	16.6667	106	59 - 106	
beta-BHC [2C]	16.6622	1.0	0.06	16.6667	100	59 - 106	
delta-BHC	12.8453	1.0	0.12	16.6667	77.1	63 - 115	
delta-BHC [2C]	12.3493	1.0	0.12	16.6667	74.1	63 - 115	
Dieldrin	16.9142	2.0	0.26	16.6667	101	59 - 102	
Dieldrin [2C]	16.7202	2.0	0.26	16.6667	100	59 - 102	
Endosulfan I	14.0468	1.0	0.10	16.6667	84.3	61 - 99	
Endosulfan I [2C]	14.5635	1.0	0.10	16.6667	87.4	61 - 99	
Endosulfan II	17.4985	2.0	0.15	16.6667	105	65 - 105	
Endosulfan II [2C]	17.1880	2.0	0.15	16.6667	103	65 - 105	
Endosulfan sulfate	15.9342	2.0	0.16	16.6667	95.6	59 - 107	
Endosulfan Sulfate [2C]	16.1395	2.0	0.16	16.6667	96.8	59 - 107	
Endrin	18.3603	2.0	0.14	16.6667	110	65 - 113	
Endrin [2C]	18.1658	2.0	0.14	16.6667	109	65 - 113	
Endrin aldehyde	17.8650	2.0	0.31	16.6667	107	61 - 109	
Endrin aldehyde [2C]	17.4085	2.0	0.31	16.6667	104	61 - 109	
Endrin ketone	17.9085	2.0	0.13	16.6667	107	56 - 97	L3
Endrin ketone [2C]	18.2808	2.0	0.13	16.6667	110	56 - 97	L3
gamma-BHC	17.7960	1.0	0.10	16.6667	107	57 - 101	L3
gamma-BHC [2C]	16.9783	1.0	0.10	16.6667	102	57 - 101	L3



## Certificate of Analysis

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Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

### Organochlorine Pesticides by EPA 8081 - 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
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**Batch B9I0146 - GCSEMI\_PCB/PEST\_S (continued)**

**LCS (B9I0146-BS1) - Continued**

Prepared: 9/5/2019 Analyzed: 9/5/2019

gamma-Chlordane	17.7485	1.0	0.89	16.6667		106	56 - 125			
gamma-Chlordane [2C]	16.3293	1.0	0.89	16.6667		98.0	56 - 125			
Heptachlor	18.5577	1.0	0.12	16.6667		111	61 - 105			L3
Heptachlor [2C]	16.8693	1.0	0.12	16.6667		101	61 - 105			
Heptachlor epoxide	16.8922	1.0	0.09	16.6667		101	59 - 97			L3
Heptachlor epoxide [2C]	15.4975	1.0	0.09	16.6667		93.0	59 - 97			
Methoxychlor	21.3948	5.0	0.18	16.6667		128	68 - 118			L3
Methoxychlor [2C]	21.6657	5.0	0.18	16.6667		130	68 - 118			L3
<i>Surrogate: Decachlorobiphenyl</i>	<i>16.47</i>			<i>16.6667</i>		<i>98.8</i>	<i>32 - 91</i>			<i>S10, S3</i>
<i>Surrogate: Decachlorobiphenyl [2</i>	<i>16.37</i>			<i>16.6667</i>		<i>98.2</i>	<i>32 - 91</i>			<i>S10, S3</i>
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>14.64</i>			<i>16.6667</i>		<i>87.9</i>	<i>38 - 93</i>			
<i>Surrogate: Tetrachloro-m-xylene [</i>	<i>14.93</i>			<i>16.6667</i>		<i>89.6</i>	<i>38 - 93</i>			

**Matrix Spike (B9I0146-MS1)**

Source: 1903237-25

Prepared: 9/5/2019 Analyzed: 9/5/2019

4,4'-DDD	13.3605	2.0	0.07	16.6667	ND	80.2	33 - 116			
4,4'-DDD [2C]	12.5897	2.0	0.07	16.6667	ND	75.5	33 - 116			
4,4'-DDE	14.8352	2.0	0.11	16.6667	2.32417	75.1	29 - 128			
4,4'-DDE [2C]	14.0578	2.0	0.11	16.6667	1.81417	73.5	29 - 128			
4,4'-DDT	17.2905	2.0	0.10	16.6667	ND	104	27 - 109			
4,4'-DDT [2C]	16.5355	2.0	0.10	16.6667	ND	99.2	27 - 109			
Aldrin	10.7040	1.0	0.12	16.6667	ND	64.2	34 - 110			
Aldrin [2C]	10.9562	1.0	0.12	16.6667	ND	65.7	34 - 110			
alpha-BHC	11.9552	1.0	0.11	16.6667	ND	71.7	39 - 107			
alpha-BHC [2C]	11.6763	1.0	0.11	16.6667	ND	70.1	39 - 107			
alpha-Chlordane	11.4817	1.0	0.12	16.6667	ND	68.9	37 - 111			
alpha-Chlordane [2C]	11.1377	1.0	0.12	16.6667	ND	66.8	37 - 111			
beta-BHC	11.9523	1.0	0.06	16.6667	ND	71.7	33 - 111			
beta-BHC [2C]	11.9083	1.0	0.06	16.6667	ND	71.4	33 - 111			
delta-BHC	11.6800	1.0	0.12	16.6667	ND	70.1	25 - 122			
delta-BHC [2C]	11.5088	1.0	0.12	16.6667	ND	69.1	25 - 122			
Dieldrin	11.1162	2.0	0.26	16.6667	ND	66.7	28 - 114			
Dieldrin [2C]	11.6893	2.0	0.26	16.6667	ND	70.1	28 - 114			
Endosulfan I	9.84983	1.0	0.10	16.6667	ND	59.1	35 - 107			
Endosulfan I [2C]	10.1125	1.0	0.10	16.6667	ND	60.7	35 - 107			
Endosulfan II	12.5858	2.0	0.15	16.6667	ND	75.5	13 - 122			
Endosulfan II [2C]	13.2525	2.0	0.15	16.6667	ND	79.5	13 - 122			
Endosulfan sulfate	11.7557	2.0	0.16	16.6667	ND	70.5	13 - 120			
Endosulfan Sulfate [2C]	12.2707	2.0	0.16	16.6667	ND	73.6	13 - 120			
Endrin	12.2877	2.0	0.14	16.6667	ND	73.7	31 - 121			
Endrin [2C]	12.4167	2.0	0.14	16.6667	ND	74.5	31 - 121			
Endrin aldehyde	11.8822	2.0	0.31	16.6667	ND	71.3	18 - 129			



## Certificate of Analysis

Geocon, Inc.  
6960 Flanders Drive  
San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

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

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B910146 - GCSEMI\_PCB/PEST\_S (continued)

##### Matrix Spike (B910146-MS1) - Continued

Source: 1903237-25

Prepared: 9/5/2019 Analyzed: 9/5/2019

Endrin aldehyde [2C]	11.3123	2.0	0.31	16.6667	ND	67.9	18 - 129		
Endrin ketone	12.5343	2.0	0.13	16.6667	ND	75.2	14 - 113		
Endrin ketone [2C]	13.0808	2.0	0.13	16.6667	ND	78.5	14 - 113		
gamma-BHC	13.8198	1.0	0.10	16.6667	ND	82.9	34 - 104		
gamma-BHC [2C]	12.6168	1.0	0.10	16.6667	ND	75.7	34 - 104		
gamma-Chlordane	12.1468	1.0	0.89	16.6667	ND	72.9	35 - 121		
gamma-Chlordane [2C]	11.6598	1.0	0.89	16.6667	ND	70.0	35 - 121		
Heptachlor	16.3617	1.0	0.12	16.6667	ND	98.2	35 - 110		
Heptachlor [2C]	12.6428	1.0	0.12	16.6667	ND	75.9	35 - 110		
Heptachlor epoxide	12.6192	1.0	0.09	16.6667	ND	75.7	31 - 106		
Heptachlor epoxide [2C]	12.2688	1.0	0.09	16.6667	ND	73.6	31 - 106		
Methoxychlor	16.7273	5.0	0.18	16.6667	ND	100	21 - 128		
Methoxychlor [2C]	16.2012	5.0	0.18	16.6667	ND	97.2	21 - 128		

Surrogate: Decachlorobiphenyl	12.56			16.6667		75.3	32 - 91		
Surrogate: Decachlorobiphenyl [2	14.19			16.6667		85.2	32 - 91		
Surrogate: Tetrachloro-m-xylene	12.34			16.6667		74.0	38 - 93		
Surrogate: Tetrachloro-m-xylene [	11.16			16.6667		67.0	38 - 93		

##### Matrix Spike Dup (B910146-MSD1)

Source: 1903237-25

Prepared: 9/5/2019 Analyzed: 9/5/2019

4,4'-DDD	12.3193	2.0	0.07	16.6667	ND	73.9	33 - 116	8.11	20
4,4'-DDD [2C]	11.3045	2.0	0.07	16.6667	ND	67.8	33 - 116	10.8	20
4,4'-DDE	13.3582	2.0	0.11	16.6667	2.32417	66.2	29 - 128	10.5	20
4,4'-DDE [2C]	13.0900	2.0	0.11	16.6667	1.81417	67.7	29 - 128	7.13	20
4,4'-DDT	14.9958	2.0	0.10	16.6667	ND	90.0	27 - 109	14.2	20
4,4'-DDT [2C]	14.4627	2.0	0.10	16.6667	ND	86.8	27 - 109	13.4	20
Aldrin	10.0833	1.0	0.12	16.6667	ND	60.5	34 - 110	5.97	20
Aldrin [2C]	9.95550	1.0	0.12	16.6667	ND	59.7	34 - 110	9.57	20
alpha-BHC	11.0593	1.0	0.11	16.6667	ND	66.4	39 - 107	7.79	20
alpha-BHC [2C]	10.8988	1.0	0.11	16.6667	ND	65.4	39 - 107	6.89	20
alpha-Chlordane	10.9275	1.0	0.12	16.6667	ND	65.6	37 - 111	4.95	20
alpha-Chlordane [2C]	10.4633	1.0	0.12	16.6667	ND	62.8	37 - 111	6.24	20
beta-BHC	11.0780	1.0	0.06	16.6667	ND	66.5	33 - 111	7.59	20
beta-BHC [2C]	10.5810	1.0	0.06	16.6667	ND	63.5	33 - 111	11.8	20
delta-BHC	11.1392	1.0	0.12	16.6667	ND	66.8	25 - 122	4.74	20
delta-BHC [2C]	10.6618	1.0	0.12	16.6667	ND	64.0	25 - 122	7.64	20
Dieldrin	10.0300	2.0	0.26	16.6667	ND	60.2	28 - 114	10.3	20
Dieldrin [2C]	10.2213	2.0	0.26	16.6667	ND	61.3	28 - 114	13.4	20
Endosulfan I	9.87017	1.0	0.10	16.6667	ND	59.2	35 - 107	0.206	20
Endosulfan I [2C]	9.72033	1.0	0.10	16.6667	ND	58.3	35 - 107	3.95	20
Endosulfan II	11.3975	2.0	0.15	16.6667	ND	68.4	13 - 122	9.91	20
Endosulfan II [2C]	11.4790	2.0	0.15	16.6667	ND	68.9	13 - 122	14.3	20



## Certificate of Analysis

Geocon, Inc.  
6960 Flanders Drive  
San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A

Report To : Mitchell Wagner

Reported : 09/11/2019

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

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B9I0146 - GCSEMI\_PCB/PEST\_S (continued)**

**Matrix Spike Dup (B9I0146-MSD1) - Continued**

Source: 1903237-25

Prepared: 9/5/2019 Analyzed: 9/5/2019

Endosulfan sulfate	10.9633	2.0	0.16	16.6667	ND	65.8	13 - 120	6.98	20	
Endosulfan Sulfate [2C]	10.6087	2.0	0.16	16.6667	ND	63.7	13 - 120	14.5	20	
Endrin	12.4688	2.0	0.14	16.6667	ND	74.8	31 - 121	1.46	20	
Endrin [2C]	12.0518	2.0	0.14	16.6667	ND	72.3	31 - 121	2.98	20	
Endrin aldehyde	10.1227	2.0	0.31	16.6667	ND	60.7	18 - 129	16.0	20	
Endrin aldehyde [2C]	9.95800	2.0	0.31	16.6667	ND	59.7	18 - 129	12.7	20	
Endrin ketone	10.9555	2.0	0.13	16.6667	ND	65.7	14 - 113	13.4	20	
Endrin ketone [2C]	11.4667	2.0	0.13	16.6667	ND	68.8	14 - 113	13.2	20	
gamma-BHC	12.9223	1.0	0.10	16.6667	ND	77.5	34 - 104	6.71	20	
gamma-BHC [2C]	11.7300	1.0	0.10	16.6667	ND	70.4	34 - 104	7.28	20	
gamma-Chlordane	11.2795	1.0	0.89	16.6667	ND	67.7	35 - 121	7.40	20	
gamma-Chlordane [2C]	11.3445	1.0	0.89	16.6667	ND	68.1	35 - 121	2.74	20	
Heptachlor	15.7963	1.0	0.12	16.6667	ND	94.8	35 - 110	3.52	20	
Heptachlor [2C]	11.2475	1.0	0.12	16.6667	ND	67.5	35 - 110	11.7	20	
Heptachlor epoxide	11.8130	1.0	0.09	16.6667	ND	70.9	31 - 106	6.60	20	
Heptachlor epoxide [2C]	11.6443	1.0	0.09	16.6667	ND	69.9	31 - 106	5.22	20	
Methoxychlor	14.8708	5.0	0.18	16.6667	ND	89.2	21 - 128	11.8	20	
Methoxychlor [2C]	14.3793	5.0	0.18	16.6667	ND	86.3	21 - 128	11.9	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>12.17</i>			<i>16.6667</i>		<i>73.0</i>	<i>32 - 91</i>			
<i>Surrogate: Decachlorobiphenyl [2</i>	<i>12.62</i>			<i>16.6667</i>		<i>75.7</i>	<i>32 - 91</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.29</i>			<i>16.6667</i>		<i>67.7</i>	<i>38 - 93</i>			
<i>Surrogate: Tetrachloro-m-xylene [</i>	<i>10.30</i>			<i>16.6667</i>		<i>61.8</i>	<i>38 - 93</i>			



## Certificate of Analysis

Geocon, Inc.  
6960 Flanders Drive  
San Diego , CA 92121

Project Number : 408 Hollister Street, G2129-62-02A  
Report To : Mitchell Wagner  
Reported : 09/11/2019

### Notes and Definitions

S3	Surrogate recovery outside of laboratory acceptance limit. Unable to confirm matrix effects.
S10	Surrogate recovery was outside of laboratory acceptance limit due to possible matrix interference.
L3	Laboratory control sample outside in-house established limits but within method criteria.
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.

3275 Walnut Ave., Signal Hill, CA 90755  
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 3

For Laboratory Use Only		ATLCOG Ver:20180415				
Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
<input type="checkbox"/> Client <input checked="" type="checkbox"/> ATL	1. CHILLED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. # OF SAMPLES MATCH COC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> FedEx <input type="checkbox"/> OnTrac	2. HEADSPACE (VOA)	<input type="checkbox"/>	<input type="checkbox"/>	6. PRESERVED	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> GSO	3. CONTAINER INTACT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. COOLER TEMP, deg C:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Other:	4. SEALED	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

Instruction: Complete all shaded areas.

CUSTOMER	Company: <b>Geocon, Inc.</b>	Address: <b>6960 Flanders Drive</b>	State: <b>CA</b>	Zip: <b>92121</b>	Tel: <b>(858) 558-6900</b>
	SEND REPORT TO:	City: <b>San Diego</b>	SEND INVOICE TO:	<input checked="" type="checkbox"/> same as SEND REPORT TO	
	Attn: <b>Mitchell Wagner</b>	Email: <b>MWagner@geoconinc.com</b>	Attn:	Email:	
	Company: <b>Geocon, Inc.</b>	Address: <b>6960 Flanders Drive</b>	City: <b>San Diego</b>	State: <b>CA</b>	Zip: <b>92121</b>
					QA/QC <input type="checkbox"/> Routine <input type="checkbox"/> Caltrans <input type="checkbox"/> Legal <input type="checkbox"/> RWQCB <input type="checkbox"/> Level IV <input type="checkbox"/> _____

PROJECT SAMPLES	Project Name: <b>408 Hollister Street</b>	Quote #:	Special Instructions/Comments: <b>Make 4-part composite for OLR. Run 1 discrete arsenic for each composite.</b>		Requested Analysis										Sample Matrix			Container								
	Project No.: <b>G2129-62-02A</b>	PO #:			8260 / 524 (Volatiles)	8015 (GRO)	8015 (DRO)	8081 (Organochlorine Pesticides)	8082 (PCBs)	8270 (Semi-volatiles)	6010 / 7000 (Title 22 Metals)	TO-15	<b>6010 Arsenic</b>	SOIL	SOLID	GROUNDWATER	WASTEWATER	OIL	Turnaround Time (TAT)	Quantity	Type: 1=Tube; 2=VOA; 3=Subst; 4=Phic; 5=Air; 6=Soil; 7=CASSET	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HN03; 3=H2SO4; 4=HCl; 5=Zn(Ac); 6=NaOH; 7=NA2S2O3	Remarks		
	Sampler: <b>M.W.</b>																									
	ITEM	Laboratory ID (For Lab Use Only)	Sample Description		Date	Time																				
			Sample ID / Location																							
	1	1903237-01	B1-0.5'		8/30/19	0900			X						X					5	1	5	1	4		Composite
	2	-02	B2-0.5'			0905																				Composite
	3	-03	B3-0.5'			0910																				Composite
	4	-04	B4-0.5'			0915																				Composite
	5	-05	B5-0.5'			0920																				Composite
6	-06	B6-0.5'			0925																				Composite	
7	-07	B7-0.5'			0930																				Composite	
8	-08	B8-0.5'			0935																				Composite	
9	-09	B9-0.5'			0940																				Composite	
10	-10	B10-0.5'			0945																				Composite	

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.  
2. Samples submitted AFTER 3:00 PM are considered received the following business day at 8:00 AM.  
3. The following turnaround time conditions apply:  
TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM  
TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)  
TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)  
TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)  
TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)  
TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)  
4. Weekend, holiday, after-hours work --- ask for quote.  
5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab --- ask for quote.  
6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.  
7. Electronic records maintained for five (5) years from report date.  
8. Hard copy reports will be disposed of after 45 calendar days from report date.  
9. Storage and Report Fees:  
- Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage or hold is requested.  
- Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; \$20/sample/week if extended storage is requested.  
- Hard copy and regenerated reports/EDDs: \$17.50 per hard copy report requested; \$50.00 per regenerated/reformatted report; \$35 per reprocessed EDD.  
10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction procedure.  
11. Unanalyzed samples will incur a disposal fee of \$7 per sample.  
12. The laboratory will randomly select from all QC samples received the sample to spike for Matrix Spike/Matrix Spike Duplicate (MS/MSD) at no cost. However, if you want the laboratory to additionally perform MS/MSD on your sample, a charge will be assessed for the specific sample used.

Relinquished by: (Signature and Printed Name)	Date: <b>8/30/19</b>	Time: <b>12:28</b>	Received by: (Signature and Printed Name)	Date: <b>8/30/19</b>	Time: <b>12:28</b>
Relinquished by: (Signature and Printed Name)	Date: <b>8/30/19</b>	Time: <b>16:01</b>	Received by: (Signature and Printed Name)	Date: <b>8/30/19</b>	Time: <b>16:01</b>
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

**Mitchell Wagner** Printed Name Signature

3275 Walnut Ave., Signal Hill, CA 90755  
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 2 of 3

Method of Transport		Sample Conditions Upon Receipt							
		Condition		Y	N	Condition		Y	N
<input type="checkbox"/> Client	<input type="checkbox"/> ATL	1. CHILLED		<input type="checkbox"/>	<input type="checkbox"/>	5. # OF SAMPLES MATCH COC		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> FedEx	<input type="checkbox"/> OnTrac	2. HEADSPACE (VOA)		<input type="checkbox"/>	<input type="checkbox"/>	6. PRESERVED		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> GSO		3. CONTAINER INTACT		<input type="checkbox"/>	<input type="checkbox"/>	7. COOLER TEMP, deg C:			
<input type="checkbox"/> Other:		4. SEALED		<input type="checkbox"/>	<input type="checkbox"/>				

*Instruction: Complete all shaded areas.*

CUSTOMER	Company: <b>Geocon, Inc.</b>	Address: <b>6960 Flanders Drive</b>	City: <b>San Diego</b>	State: <b>CA</b>	Zip: <b>92121</b>	Tel: <b>(858) 558-6900</b>	
	SEND REPORT TO: Attn: <b>Mitchell Wagner</b>	Email: <b>m.wagner@geocon.com</b>	SEND INVOICE TO: <input checked="" type="checkbox"/> Same as SEND REPORT TO	EDD	QA/QC		
	Company: <b>Geocon, Inc.</b>	Address: <b>6960 Flanders Drive</b>	City: <b>San Diego</b>	State: <b>CA</b>	Zip: <b>92121</b>	<input type="checkbox"/> Excel	<input type="checkbox"/> Routine
	City: <b>San Diego</b>	State: <b>CA</b>	Zip: <b>92121</b>	<input type="checkbox"/> EDF	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Equis	<input type="checkbox"/> Legal

ITEM	Laboratory ID (For Lab Use Only)	Sample Description	Date	Time	Requested Analysis							Sample Matrix			Turnaround Time (TAT)	Quantity	Remarks
					8260 / 624 (Volatiles)	8015 (GRO)	8015 (DRO)	8081 (Organochlorine Pesticides)	8082 (PCBs)	8270 (Semi-volatiles)	6010 / 7000 (Title 22 Metals)	TO-15	SOIL	SOLID			
1	1909237-11	B11 - 0.5'	8/30/19	0950			X										Composite
2	-12	B12 - 0.5'		0955													Composite
3	-13	B13 - 0.5'		1000													
4	-14	B14 - 0.5'		1005						X						Composite	
5	-15	B15 - 0.5'		1010													
6	-16	B16 - 0.5'		1015												Composite	
7	-17	B17 - 0.5'		1020													
8	-18	B18 - 0.5'		1025						X						Composite	
9	-19	B19 - 0.5'		1030													
10	-20	B20 - 0.5'		1035												Composite	

**TERMS**

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.  
 2. Samples submitted AFTER 3:00 PM are considered received the following business day at 8:00 AM.  
 3. The following turnaround time conditions apply:  
 TAT = 0: 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM  
 TAT = 1: 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)  
 TAT = 2: 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)  
 TAT = 3: 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)  
 TAT = 4: 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)  
 TAT = 5: NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)  
 4. Weekend, holiday, after-hours work --- ask for quote.  
 5. Subcontract TAT 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab --- ask for quote.  
 6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.  
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 8. Hard copy reports will be disposed of after 45 calendar days from report date.  
 9. Storage and Report Fees:  
 - Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage or hold is requested.  
 - Air samples: complimentary storage for ten (10) calendar days from receipt of samples; \$20 sample/week if extended storage is requested.  
 - Hard copy and regenerated reports/EDDs: \$17.50 per hard copy report requested; \$50.00 per regenerated/reformatted report; \$35 per reprocessed EDD.  
 10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction procedure.  
 11. Unanalyzed samples will incur a disposal fee of \$7 per sample.  
 12. The laboratory will randomly select from all QC samples received the sample to spike for Matrix Spike/Matrix Spike Duplicate (MS/MSD) at no cost. However, if you want the laboratory to additionally perform MS/MSD on your sample, a charge will be assessed for the specific sample used.

Relinquished by: (Signature and Printed Name) <i>Mitchell Wagner</i>	Date: <b>8/30/19</b>	Time: <b>12:28</b>	Received by: (Signature and Printed Name) <i>[Signature]</i>	Date: <b>8/30/19</b>	Time: <b>12:28</b>
Relinquished by: (Signature and Printed Name) <i>[Signature]</i>	Date: <b>8/30/19</b>	Time: <b>16:01</b>	Received by: (Signature and Printed Name) <i>[Signature]</i>	Date: <b>8/30/19</b>	Time: <b>16:01</b>

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

*Mitchell Wagner*  
Printed Name

*[Signature]*  
Signature

# CHAIN OF CUSTODY RECORD

Method of Transport		Sample Conditions Upon Receipt			
		Condition		Condition	
		Y	N	Y	N
<input type="checkbox"/> Client	<input type="checkbox"/> ATL	1. CHILLED	<input type="checkbox"/>	<input type="checkbox"/>	5. # OF SAMPLES MATCH CDC <input type="checkbox"/>
<input type="checkbox"/> FedEx	<input type="checkbox"/> OnTrac	2. HEADSPACE (VOA)	<input type="checkbox"/>	<input type="checkbox"/>	6. PRESERVED <input type="checkbox"/>
<input type="checkbox"/> GSO		3. CONTAINER INTACT	<input type="checkbox"/>	<input type="checkbox"/>	7. COOLER TEMP, deg C: <input type="checkbox"/>
<input type="checkbox"/> Other: _____		4. SEALED	<input type="checkbox"/>	<input type="checkbox"/>	

Instruction: Complete all shaded areas.

CUSTOMER	Company: <b>Geocon, Inc.</b>	Address: <b>6960 Flanders Drive</b>	City: <b>San Diego</b>	State: <b>CA</b>	Zip: <b>92121</b>	Tel: <b>(858) 558-6900</b>	Fax: <b>(858) 558-8437</b>	
	SEND REPORT TO:	SEND INVOICE TO:	<input checked="" type="checkbox"/> Same as SEND REPORT TO					
	Attn: <b>Mitchell Wagner</b>	Email: <b>MWagner@geocon.com</b>	Attn:	Email:				
	Company: <b>Geocon, Inc.</b>	Address: <b>6960 Flanders Drive</b>	City: <b>San Diego</b>	State: <b>CA</b>	Zip: <b>92121</b>	<input type="checkbox"/> Excel <input type="checkbox"/> Routine <input type="checkbox"/> EDF <input type="checkbox"/> Caltrans <input type="checkbox"/> Equis <input type="checkbox"/> Legal <input type="checkbox"/> _____ <input type="checkbox"/> RWQCB <input type="checkbox"/> _____ <input type="checkbox"/> Level IV		

ITEM	Laboratory ID (For Lab Use Only)	Sample Description	Date	Time	Requested Analysis							Sample Matrix	Turnaround Time (TAT)	Container				Remarks
					8260 / 624 (Volatiles)	8015 (GRO)	8015 (DRO)	8081 (Organochlorine Pesticides)	8082 (PCBs)	8270 (Semi-volatiles)	6010 / 7000 (Title 22 Metals)			TO-15	6010 Arsenic	Quantity	Type: 1-Tube; 2-VOA; 3-Subst; 4-Pint; 5-Bar; 6-Beaker; 7-Canister	
1	1903237-21	B21 - 0.5'	8/30/19	1040			X						6	1	5	1	4	Composite
2	-22	B22 - 0.5'	↓	1045			↓						↓	↓	↓	↓		
3	-23	B23 - 0.5'	↓	1056			↓						↓	↓	↓	↓		
4	-24	B24 - 0.5'	↓	1655			↓						↓	↓	↓	↓		
5																		
6																		
7																		
8																		
9																		
10																		

**TERMS**

- Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
- Samples submitted AFTER 3:00 PM are considered received the following business day at 8:00 AM.
- The following turnaround time conditions apply:
  - TAT = 0 : 300% Surcharge SAME BUSINESS DAY If received by 9:00 AM
  - TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
  - TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
  - TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
  - TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
  - TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)
- Weekend, holiday, after-hours work --- ask for quote.
- Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab --- ask for quote.
- Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.
- Electronic records maintained for five (5) years from report date.
- Hard copy reports will be disposed of after 45 calendar days from report date.
- Storage and Report Fees:
  - Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage or hold is requested.
  - Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; \$20 sample/week if extended storage is requested.
- Hard copy and regenerated reports/EDDs: \$17.50 per hard copy report requested; \$50.00 per regenerated/reformatted report; \$35 per reprocessed EDD.
- Rush TCLP/STC samples: add 2 days to analysis TAT for extraction procedure.
- Unanalyzed samples will incur a disposal fee of \$7 per sample.
- The laboratory will randomly select from all QC samples received the sample to spike for Matrix Spike/Matrix Spike Duplicate (MS/MSD) at no cost. However, if you want the laboratory to additionally perform MS/MSD on your sample, a charge will be assessed for the specific sample used.

Relinquished by: (Signature and Printed Name)	Date: <b>8/30/19</b>	Time: <b>1225</b>	Received by: (Signature and Printed Name)	Date: <b>8/30/19</b>	Time: <b>1258</b>
Relinquished by: (Signature and Printed Name)	Date: <b>8/20/19</b>	Time: <b>1601</b>	Received by: (Signature and Printed Name)	Date: <b>8/30/19</b>	Time: <b>1601</b>
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

**Mitchell Wagner** Printed Name Signature