
Appendix H2

Phase II Environmental Site Assessment



Project No. G2290-62-02
July 18, 2018

Lennar
16465 Via Esprillo, Suite 150
San Diego, California 92127

Attention: Mr. David Shepherd

Subject: PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
CARLTON OAKS COUNTRY CLUB
SANTEE, CALIFORNIA

Dear Mr. Shepherd:

In accordance with your request, we have performed a Phase II Environmental Site Assessment (ESA) on approximately 103.8 acres (seven parcels) of the Carlton Oaks Country Club located at 9200 Inwood Drive (the Site) in Santee, California (see Figure 1). The accompanying report presents the details of our Phase II ESA.

A review of historical documents, which was performed as part of our forthcoming Phase I ESA, indicated that the Site has been operating as a golf course since approximately 1964. Organochlorine pesticides (OCPs) and arsenic (commonly used in pesticides) may have been applied to the Site. Given the planned residential redevelopment of the Site, a Phase II ESA was recommended to assess the Site for OCPs and arsenic.

SITE ASSESSMENT ACTIVITIES

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

- Soil sample collection.
- Analytical testing of soil samples for OCPs and arsenic.
- Preparing this report presenting our findings including laboratory analytical results.

Soil Sample Collection

On July 5, 2018, 108 discrete soil samples (SS-1 through SS-108) were collected from a depth of approximately 6 inches at the locations shown on Figure 2. The samples were collected using a decontaminated trowel and then transferred into 4-ounce laboratory-provided jars. The jars were capped

with Teflon-lined lids and placed in a chilled cooler for transport to the laboratory under chain-of-custody protocol.

Analytical Testing

Advanced Technology Laboratories (ATL), a State-certified laboratory located in Signal Hill, California, combined four discrete soil samples from similar locations to form 27 four-part composite soil samples for OCP analysis (USEPA Test Method 8081A). Additionally, a portion of the 27 discrete soil samples was retained for arsenic analysis (USEPA Method 6010B).

RESULTS

Table 1 summarizes the laboratory analysis results for the soil samples. A copy of the laboratory analytical report is attached.

OCPs

The following OCPs were detected in the composite soil samples:

- Chlordane was detected in one of the 27 composite soil samples analyzed at a concentration of 9.5 micrograms per kilogram ($\mu\text{g/kg}$), which is less than the Department of Toxic Substance Control's (DTSC's) Human and Ecological Risk Office (Hero) Note 3 modified Screening Level (SL) updated January 2018, for residential soil of 440 $\mu\text{g/kg}$.
- Dieldrin was detected in one of the composite soil samples at a concentration of 2.8 $\mu\text{g/kg}$, which is less than the EPA Regional Screening Level (RSL) updated May 2018, for residential soil of 34 $\mu\text{g/kg}$.
- DDE was detected in two of the composite soil samples at concentrations of 3.3 and 9.7 $\mu\text{g/kg}$, which are less than the current RSL for residential soil of 2,000 $\mu\text{g/kg}$.
- DDT was detected in one of the composite soil samples at a concentration of 2.3 $\mu\text{g/kg}$, which is less than the current RSL for residential soil of 1,900 $\mu\text{g/kg}$.
- Heptachlor epoxide was detected in one of the composite soil samples at a concentration of 1.4 $\mu\text{g/kg}$, which is less than the current RSL for residential soil of 70 $\mu\text{g/kg}$.
- Gamma-Chlordane was detected in one of the composite soil samples at a concentration of 1.1 $\mu\text{g/kg}$ and delta-BHC was detected in three of the composite soil samples at concentrations ranging from 1.1 to 22 $\mu\text{g/kg}$. Gamma-Chlordane and delta-BHC are breakdown compounds and neither the HERO Note 3 SLs nor the RSLs have established screening levels for gamma-Chlordane or delta-BHC.

No other OCPs were detected at concentrations exceeding the laboratory practical quantitation limits (PQLs) in the 27 composite soil samples. Additionally, the analysis method PQLs were less than the RSLs and the HERO Note 3 SLs for residential soil if established.

Arsenic

Arsenic was detected in 17 of the 27 discrete soil samples analyzed at concentrations ranging from 1.0 to 8.4 milligrams per kilogram (mg/kg). Arsenic is a natural mineralogical component of soil and its naturally occurring or “background” concentrations in California soils typically range from 0.6 to 12 mg/kg and much higher in some areas 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 calculated screening levels. The reported arsenic concentrations found in the samples are within the range of naturally occurring (background) arsenic concentrations for soil.

CONCLUSION AND RECOMMENDATIONS

OCPs were not detected in any of the composite soil samples collected from the Site at concentrations exceeding applicable residential screening levels and the reported arsenic concentrations are within the range of naturally occurring (background) arsenic concentrations for soil in southern California.

These findings suggest that workers and future site residents will not be exposed to OCPs or arsenic at concentrations that will be a potential threat to human health. Therefore, no further investigation of the nature and extent of OCPs or arsenic in soil at the Site is warranted.

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.

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

Very truly yours,

GEOCON INCORPORATED



Brett G. Conner, CEG
Senior Geologist

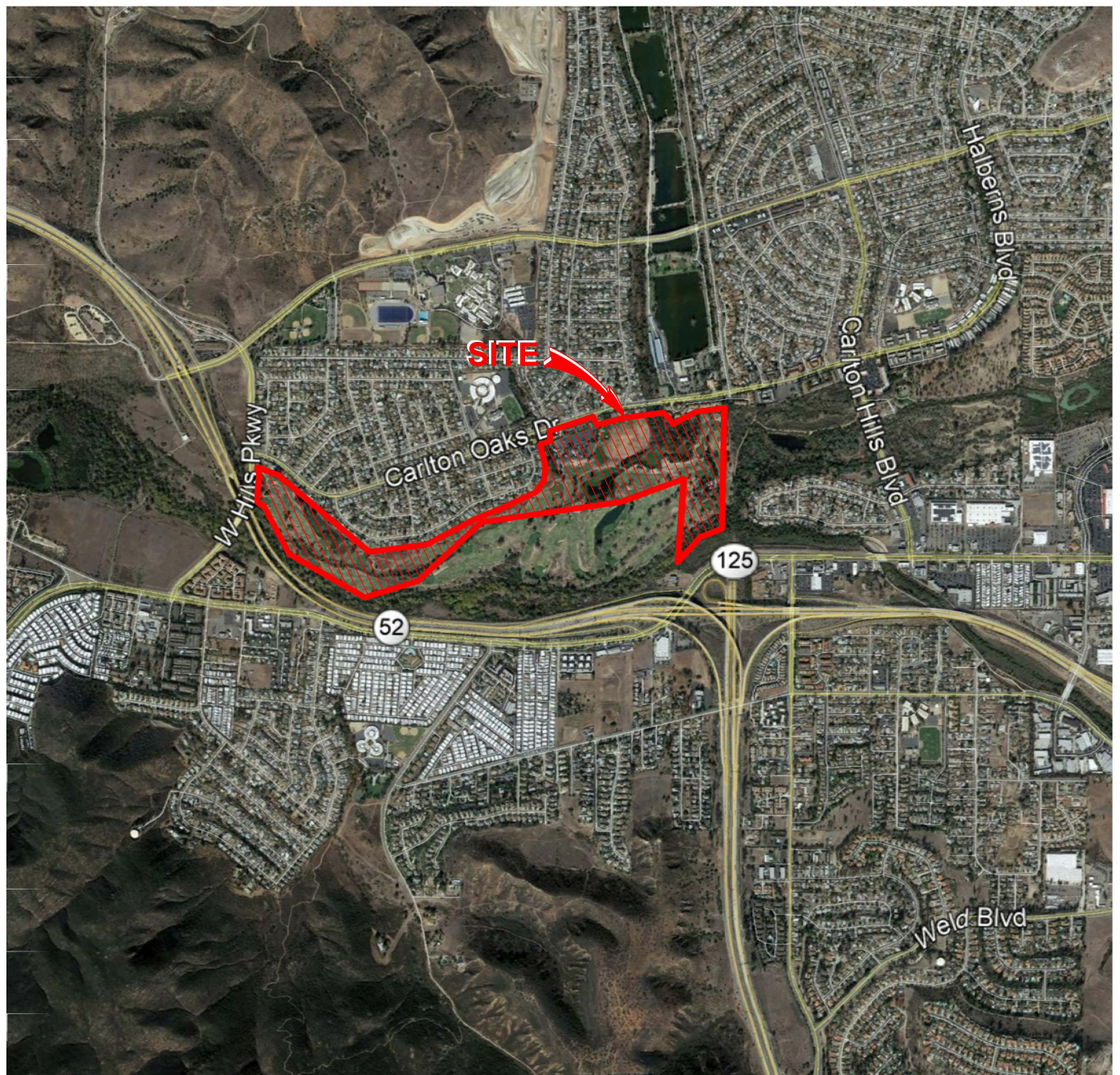


Troy K. Reist, CEG
Senior Geologist

BGC:TKR:ejc

Attachments: Figure 1 Vicinity Map
Figure 2 Sample Location Plan
Table 1 Summary of Soil Analytical Results –Pesticides and Arsenic
Laboratory Reports and Chain-of-Custody Documentation

(e-mail) Addressee



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NO SCALE

VICINITY MAP

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INCORPORATED



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BGC / CW

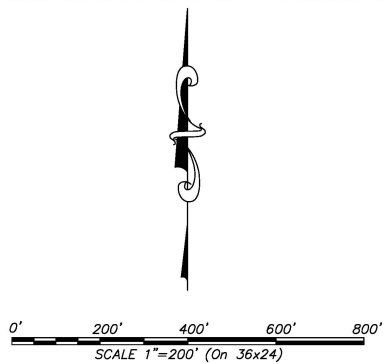
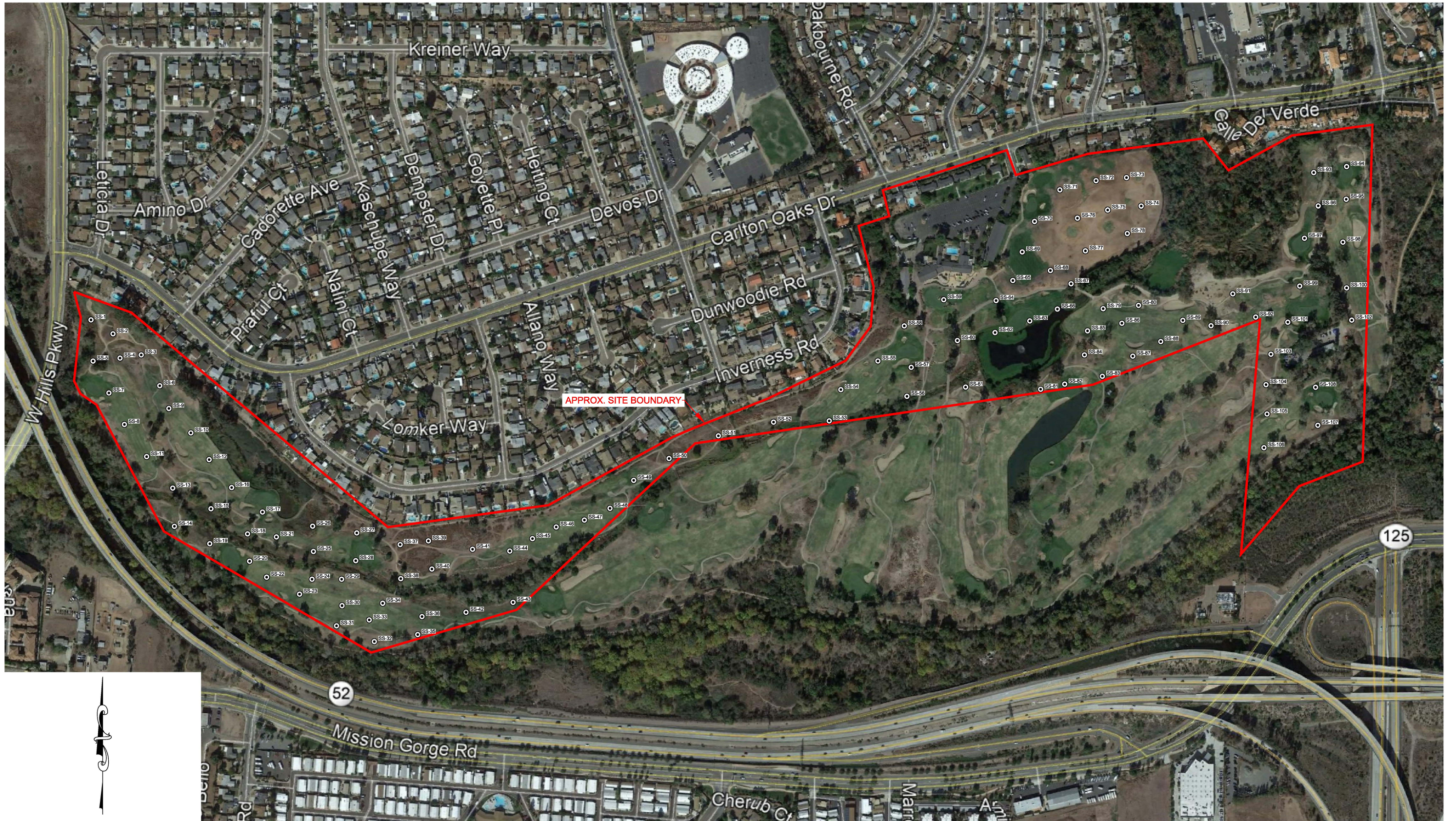
DSK/GTYPD

CARLTON OAKS COUNTY CLUB SANTEE, CALIFORNIA

DATE JULY 2018

PROJECT NO. G2290 - 62 - 02

FIG. 1



GEOCON LEGEND
SS-108 ○APPROX. SOIL SAMPLE LOCATION

SAMPLE LOCATION PLAN

CARLTON OAKS COUNTRY CLUB
SANTEE, CALIFORNIA

GEOCON
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GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
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PHONE (619) 584-4900 FAX (619) 584-4559

SCALE 1" = 200'	DATE JULY 2018
PROJECT NO. G2290 - 62 - 02	FIGURE 2
SHEET 1 OF 1	

Printed: 07/15/2018 4:03PM | by: JONATHAN WILKINS | File Location: T:\PROJECTS\G2290-62-02 Carlton Oaks Country Club\G2290-62-02 Sample Location Plan.dwg

TABLE 1
 SUMMARY OF SOIL ANALYTICAL DATA - PESTICIDES AND ARSENIC
 CARLTON OAKS COUNTRY CLUB
 SANTEE, CALIFORNIA

SAMPLE ID (Pesticides/Arsenic)	SAMPLE DATE	APPROX. DEPTH (feet)	Arsenic	Chlordane	Dieldrin	DDE	DDT	Other Pesticides
			mg/kg	Results reported in µg/kg unless otherwise noted				
Composite SS-1 through SS-4/SS-4	7/5/2018	0.5	2.4	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-5 through SS-8/SS-8	7/5/2018	0.5	3.4	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-9 through SS-12/SS-12	7/5/2018	0.5	3.0	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-13 through SS-16/SS-16	7/5/2018	0.5	4.8	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-17 through SS-20/SS-20	7/5/2018	0.5	<1.0	<8.5	<2.0	2.8	<2.0	ND
Composite SS-21 through SS-24/SS-24	7/5/2018	0.5	2.6	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-25 through SS-28/SS-28	7/5/2018	0.5	3.2	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-29 through SS-32/SS-32	7/5/2018	0.5	<1.0	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-33 through SS-36/SS-36	7/5/2018	0.5	1.2	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-37 through SS-40/SS-40	7/5/2018	0.5	<1.0	<8.5	2.8	9.7	2.3	ND/ Heptachlor epoxide (1.4 µg/kg)
Composite SS-41 through SS-44/SS-44	7/5/2018	0.5	<1.0	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-45 through SS-48/SS-48	7/5/2018	0.5	1.6	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-49 through SS-52/SS-52	7/5/2018	0.5	1.0	9.5	<2.0	<2.0	<2.0	ND/gamma-Chordane (1.1 µg/kg)
Composite SS-53 through SS-56/SS-56	7/5/2018	0.5	<1.0	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-57 through SS-60/SS-60	7/5/2018	0.5	8.4	<8.5	<2.0	<2.0	<2.0	ND/delta-BHC (1.1 µg/kg)
Composite SS-61 through SS-64/SS-64	7/5/2018	0.5	1.5	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-65 through SS-68/SS-68	7/5/2018	0.5	<1.0	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-69 through SS-72/SS-72	7/5/2018	0.5	3.2	<8.5	<2.0	<2.0	<2.0	ND/delta-BHC (22 µg/kg)
Composite SS-73 through SS-76/SS-76	7/5/2018	0.5	3.9	<8.5	<2.0	<2.0	<2.0	ND/delta-BHC (11 µg/kg)
Composite SS-77 through SS-80/SS-80	7/5/2018	0.5	1.6	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-81 through SS-84/SS-84	7/5/2018	0.5	1.7	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-85 through SS-88/SS-88	7/5/2018	0.5	2.1	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-89 through SS-92/SS-92	7/5/2018	0.5	2.2	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-93 through SS-96/SS-96	7/5/2018	0.5	<1.0	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-97 through SS-100/SS-100	7/5/2018	0.5	<1.0	<8.5	<2.0	<2.0	<2.0	ND
Composite SS-101 through SS-104/SS-104	7/5/2018	0.5	<1.0	<8.5	<2.0	3.3	<2.0	ND
Composite SS-105 through SS-108/SS-108	7/5/2018	0.5	<1.0	<8.5	<2.0	<2.0	<2.0	ND
RSLs Residential			0.68	440 ⁽¹⁾	34	2000	1900	Various/NE
Regional Background Levels			12 ⁽²⁾	NE	NE	NE	NE	NE

Notes:

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

< = Less than laboratory reporting limit specified

Bold = Value exceeds screening level

NE = Not established

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA - PESTICIDES AND ARSENIC
CARLTON OAKS COUNTRY CLUB
SANTEE, CALIFORNIA

SAMPLE ID (Pesticides/Arsenic)	SAMPLE DATE	APPROX. DEPTH (feet)	Arsenic	Chlordane	Dieldrin	DDE	DDT	Other Pesticides
			mg/kg	Results reported in µg/kg unless otherwise noted				

ND = Not detected above or equal to the laboratory reporting limit

RSLs = US EPA Regional Screening Levels dated May 2018 for residential and industrial soil scenarios.

(1) Department of Toxic Substance Control, Human and Ecological Risk Office, Human Health Risk

Assessment Note 3 modified Screening Levels January 2018

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



July 16, 2018

Brett Conner
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 : 1802449
Client Reference : Carlton Oaks, G2290-62-02

Enclosed are the results for sample(s) received on July 06, 2018 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 "Eddie Rodriguez", with a small "ER" monogram below it.

Eddie Rodriguez
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 : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-4	1802449-04	Soil	7/05/18 9:10	7/06/18 11:57
SS-8	1802449-08	Soil	7/05/18 9:20	7/06/18 11:57
SS-12	1802449-12	Soil	7/05/18 9:36	7/06/18 11:57
SS-16	1802449-16	Soil	7/05/18 9:52	7/06/18 11:57
SS-20	1802449-20	Soil	7/05/18 10:07	7/06/18 11:57
SS-24	1802449-24	Soil	7/05/18 10:20	7/06/18 11:57
SS-28	1802449-28	Soil	7/05/18 10:35	7/06/18 11:57
SS-32	1802449-32	Soil	7/05/18 10:51	7/06/18 11:57
SS-36	1802449-36	Soil	7/05/18 11:05	7/06/18 11:57
SS-40	1802449-40	Soil	7/05/18 11:20	7/06/18 11:57
SS-44	1802449-44	Soil	7/05/18 11:38	7/06/18 11:57
SS-48	1802449-48	Soil	7/05/18 11:53	7/06/18 11:57
SS-52	1802449-52	Soil	7/05/18 12:05	7/06/18 11:57
SS-56	1802449-56	Soil	7/05/18 12:20	7/06/18 11:57
SS-60	1802449-60	Soil	7/05/18 12:30	7/06/18 11:57
SS-64	1802449-64	Soil	7/05/18 12:42	7/06/18 11:57
SS-68	1802449-68	Soil	7/05/18 12:52	7/06/18 11:57
SS-72	1802449-72	Soil	7/05/18 13:06	7/06/18 11:57
SS-76	1802449-76	Soil	7/05/18 13:18	7/06/18 11:57
SS-80	1802449-80	Soil	7/05/18 13:30	7/06/18 11:57
SS-84	1802449-84	Soil	7/05/18 13:42	7/06/18 11:57
SS-88	1802449-88	Soil	7/05/18 13:55	7/06/18 11:57
SS-92	1802449-92	Soil	7/05/18 14:06	7/06/18 11:57
SS-96	1802449-96	Soil	7/05/18 14:18	7/06/18 11:57
SS-100	1802449-AA	Soil	7/05/18 14:30	7/06/18 11:57
SS-104	1802449-AE	Soil	7/05/18 14:41	7/06/18 11:57
SS-108	1802449-AI	Soil	7/05/18 15:00	7/06/18 11:57
Composite SS-1/4	1802449-AJ	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-5/8	1802449-AK	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-9/12	1802449-AL	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-13/16	1802449-AM	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-17/20	1802449-AN	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-21/24	1802449-AO	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-25/28	1802449-AP	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-29/32	1802449-AQ	Soil	7/05/18 0:00	7/06/18 11:57



Certificate of Analysis

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6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Composite SS-33/36	1802449-AR	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-37/40	1802449-AS	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-41/44	1802449-AT	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-45/48	1802449-AU	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-49/52	1802449-AV	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-53/56	1802449-AW	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-57/60	1802449-AX	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-61/64	1802449-AY	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-65/68	1802449-AZ	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-69/72	1802449-BA	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-73/76	1802449-BB	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-77/80	1802449-BC	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-81/84	1802449-BD	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-85/88	1802449-BE	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-89/92	1802449-BF	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-93/96	1802449-BG	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-97/100	1802449-BH	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-101/104	1802449-BI	Soil	7/05/18 0:00	7/06/18 11:57
Composite SS-105/108	1802449-BJ	Soil	7/05/18 0:00	7/06/18 11:57



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Total Metals by ICP-AES EPA 6010B

Analyte: Arsenic

Analyst: GO

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1802449-04	SS-4	2.4	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 13:48	
1802449-08	SS-8	3.4	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 13:51	
1802449-12	SS-12	3.0	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 13:52	
1802449-16	SS-16	4.8	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 13:54	
1802449-20	SS-20	ND	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 13:55	
1802449-24	SS-24	2.6	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 13:58	
1802449-28	SS-28	3.2	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 13:59	
1802449-32	SS-32	ND	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:01	
1802449-36	SS-36	1.2	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:02	
1802449-40	SS-40	ND	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:03	
1802449-44	SS-44	ND	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:04	
1802449-48	SS-48	1.6	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:05	
1802449-52	SS-52	1.0	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:06	
1802449-56	SS-56	ND	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:07	
1802449-60	SS-60	8.4	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:09	
1802449-64	SS-64	1.5	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:12	
1802449-68	SS-68	ND	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:14	
1802449-72	SS-72	3.2	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:15	
1802449-76	SS-76	3.9	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:16	
1802449-80	SS-80	1.6	mg/kg	1.0	1	B8G0182	07/10/2018	07/10/18 14:17	
1802449-84	SS-84	1.7	mg/kg	1.0	1	B8G0184	07/10/2018	07/10/18 13:32	
1802449-88	SS-88	2.1	mg/kg	1.0	1	B8G0184	07/10/2018	07/10/18 13:36	
1802449-92	SS-92	2.2	mg/kg	1.0	1	B8G0184	07/10/2018	07/10/18 13:37	
1802449-96	SS-96	ND	mg/kg	1.0	1	B8G0184	07/10/2018	07/10/18 13:38	
1802449-AA	SS-100	ND	mg/kg	1.0	1	B8G0184	07/10/2018	07/10/18 13:39	
1802449-AE	SS-104	ND	mg/kg	1.0	1	B8G0184	07/10/2018	07/10/18 13:40	
1802449-AI	SS-108	ND	mg/kg	1.0	1	B8G0184	07/10/2018	07/10/18 13:44	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-1/4

Lab ID: 1802449-AJ

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:27	
4,4'-DDE [2C]	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:27	
4,4'-DDT	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:27	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:27	
alpha-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:27	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Chlordane	ND	8.5	1	B8G0218	07/10/2018	07/12/18 13:27	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Dieldrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:27	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:27	
gamma-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Heptachlor epoxide	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/12/18 13:27	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/12/18 13:27	
Surrogate: Decachlorobiphenyl	70.4 %	15 - 100		B8G0218	07/10/2018	07/12/18 13:27	
Surrogate: Tetrachloro-m-xylene	84.2 %	16 - 100		B8G0218	07/10/2018	07/12/18 13:27	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-5/8

Lab ID: 1802449-AK

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:37	
4,4'-DDE	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:37	
4,4'-DDT [2C]	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:37	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:37	
alpha-Chlordane [2C]	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:37	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Chlordane [2C]	ND	8.5	1	B8G0218	07/10/2018	07/12/18 13:37	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Dieldrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:37	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:37	
gamma-Chlordane [2C]	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Heptachlor epoxide	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/12/18 13:37	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/12/18 13:37	
Surrogate: Decachlorobiphenyl	69.8 %	15 - 100		B8G0218	07/10/2018	07/12/18 13:37	
Surrogate: Tetrachloro-m-xylene	76.5 %	16 - 100		B8G0218	07/10/2018	07/12/18 13:37	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-9/12

Lab ID: 1802449-AL

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:48	
4,4'-DDE	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:48	
4,4'-DDT	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:48	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:48	
alpha-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:48	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Chlordane	ND	8.5	1	B8G0218	07/10/2018	07/12/18 13:48	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Dieldrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:48	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:48	
gamma-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Heptachlor epoxide	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/12/18 13:48	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/12/18 13:48	
Surrogate: Decachlorobiphenyl	71.0 %	15 - 100		B8G0218	07/10/2018	07/12/18 13:48	
Surrogate: Tetrachloro-m-xylene	69.2 %	16 - 100		B8G0218	07/10/2018	07/12/18 13:48	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-13/16 Lab ID: 1802449-AM

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:58	
4,4'-DDE	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:58	
4,4'-DDT	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:58	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:58	
alpha-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:58	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Chlordane	ND	8.5	1	B8G0218	07/10/2018	07/12/18 13:58	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Dieldrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/12/18 13:58	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:58	
gamma-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Heptachlor epoxide	ND	1.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/12/18 13:58	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/12/18 13:58	
Surrogate: Decachlorobiphenyl	83.2 %	15 - 100		B8G0218	07/10/2018	07/12/18 13:58	
Surrogate: Tetrachloro-m-xylene	87.9 %	16 - 100		B8G0218	07/10/2018	07/12/18 13:58	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-17/20

Lab ID: 1802449-AN

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:09	
4,4'-DDE	2.8	2.0	1	B8G0218	07/10/2018	07/12/18 14:09	
4,4'-DDT	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:09	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:09	
alpha-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:09	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Chlordane [2C]	ND	8.5	1	B8G0218	07/10/2018	07/12/18 14:09	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Dieldrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:09	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:09	
gamma-Chlordane [2C]	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Heptachlor epoxide	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/12/18 14:09	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/12/18 14:09	
<i>Surrogate: Decachlorobiphenyl</i>	<i>81.0 %</i>	<i>15 - 100</i>		B8G0218	07/10/2018	<i>07/12/18 14:09</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>79.9 %</i>	<i>16 - 100</i>		B8G0218	07/10/2018	<i>07/12/18 14:09</i>	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-21/24

Lab ID: 1802449-AO

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:19	
4,4'-DDE	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:19	
4,4'-DDT	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:19	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:19	
alpha-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:19	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Chlordane	ND	8.5	1	B8G0218	07/10/2018	07/12/18 14:19	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Dieldrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:19	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:19	
gamma-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Heptachlor epoxide	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/12/18 14:19	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/12/18 14:19	
Surrogate: Decachlorobiphenyl	61.9 %	15 - 100		B8G0218	07/10/2018	07/12/18 14:19	
Surrogate: Tetrachloro-m-xylene	83.1 %	16 - 100		B8G0218	07/10/2018	07/12/18 14:19	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-25/28

Lab ID: 1802449-AP

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:30	
4,4'-DDE	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:30	
4,4'-DDT	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:30	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:30	
alpha-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:30	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Chlordane	ND	8.5	1	B8G0218	07/10/2018	07/12/18 14:30	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Dieldrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:30	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:30	
gamma-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Heptachlor epoxide	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/12/18 14:30	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/12/18 14:30	
Surrogate: Decachlorobiphenyl	68.8 %	15 - 100		B8G0218	07/10/2018	07/12/18 14:30	
Surrogate: Tetrachloro-m-xylene	63.3 %	16 - 100		B8G0218	07/10/2018	07/12/18 14:30	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-29/32

Lab ID: 1802449-AQ

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:40	
4,4'-DDE	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:40	
4,4'-DDT [2C]	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:40	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:40	
alpha-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:40	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Chlordane	ND	8.5	1	B8G0218	07/10/2018	07/12/18 14:40	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Dieldrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:40	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:40	
gamma-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Heptachlor epoxide	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/12/18 14:40	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/12/18 14:40	
Surrogate: Decachlorobiphenyl	75.6 %	15 - 100		B8G0218	07/10/2018	07/12/18 14:40	
Surrogate: Tetrachloro-m-xylene	69.4 %	16 - 100		B8G0218	07/10/2018	07/12/18 14:40	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-33/36

Lab ID: 1802449-AR

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:51	
4,4'-DDE	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:51	
4,4'-DDT	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:51	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:51	
alpha-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:51	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Chlordane [2C]	ND	8.5	1	B8G0218	07/10/2018	07/12/18 14:51	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Dieldrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/12/18 14:51	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:51	
gamma-Chlordane [2C]	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Heptachlor epoxide	ND	1.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/12/18 14:51	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/12/18 14:51	
Surrogate: Decachlorobiphenyl	48.5 %	15 - 100		B8G0218	07/10/2018	07/12/18 14:51	
Surrogate: Tetrachloro-m-xylene	40.4 %	16 - 100		B8G0218	07/10/2018	07/12/18 14:51	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-37/40

Lab ID: 1802449-AS

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0218	07/10/2018	07/11/18 12:27	
4,4'-DDE	9.7	2.0	1	B8G0218	07/10/2018	07/11/18 12:27	
4,4'-DDT	2.3	2.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/11/18 12:27	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/11/18 12:27	
alpha-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/11/18 12:27	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Chlordane [2C]	ND	8.5	1	B8G0218	07/10/2018	07/11/18 12:27	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Dieldrin [2C]	2.8	2.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/11/18 12:27	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/11/18 12:27	
gamma-Chlordane [2C]	ND	1.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Heptachlor epoxide [2C]	1.4	1.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/11/18 12:27	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/11/18 12:27	
<i>Surrogate: Decachlorobiphenyl</i>	<i>69.0 %</i>	<i>15 - 100</i>		B8G0218	07/10/2018	<i>07/11/18 12:27</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>62.1 %</i>	<i>16 - 100</i>		B8G0218	07/10/2018	<i>07/11/18 12:27</i>	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-41/44

Lab ID: 1802449-AT

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:01	
4,4'-DDE	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:01	
4,4'-DDT	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:01	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:01	
alpha-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:01	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Chlordane [2C]	ND	8.5	1	B8G0218	07/10/2018	07/12/18 15:01	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Dieldrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:01	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:01	
gamma-Chlordane [2C]	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Heptachlor epoxide	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/12/18 15:01	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/12/18 15:01	
Surrogate: Decachlorobiphenyl	45.2 %	15 - 100		B8G0218	07/10/2018	07/12/18 15:01	
Surrogate: Tetrachloro-m-xylene	43.2 %	16 - 100		B8G0218	07/10/2018	07/12/18 15:01	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-45/48

Lab ID: 1802449-AU

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:12	
4,4'-DDE	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:12	
4,4'-DDT	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Aldrin	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:12	
alpha-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:12	
alpha-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:12	
beta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Chlordane	ND	8.5	1	B8G0218	07/10/2018	07/12/18 15:12	
delta-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Dieldrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Endosulfan I	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Endosulfan II	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Endosulfan sulfate	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Endrin	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Endrin aldehyde	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Endrin ketone	ND	2.0	1	B8G0218	07/10/2018	07/12/18 15:12	
gamma-BHC	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:12	
gamma-Chlordane	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Heptachlor	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Heptachlor epoxide	ND	1.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Methoxychlor	ND	5.0	1	B8G0218	07/10/2018	07/12/18 15:12	
Toxaphene	ND	50	1	B8G0218	07/10/2018	07/12/18 15:12	
Surrogate: Decachlorobiphenyl	83.0 %	15 - 100		B8G0218	07/10/2018	07/12/18 15:12	
Surrogate: Tetrachloro-m-xylene	79.0 %	16 - 100		B8G0218	07/10/2018	07/12/18 15:12	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-49/52

Lab ID: 1802449-AV

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:05	
4,4'-DDE [2C]	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:05	
4,4'-DDT	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Aldrin	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:05	
alpha-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:05	
alpha-Chlordane	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:05	
beta-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Chlordane [2C]	9.5	8.5	1	B8G0216	07/10/2018	07/11/18 23:05	
delta-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Dieldrin	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Endosulfan I	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Endosulfan II	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Endosulfan sulfate	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Endrin	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Endrin aldehyde	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Endrin ketone	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:05	
gamma-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:05	
gamma-Chlordane [2C]	1.1	1.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Heptachlor	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Heptachlor epoxide	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Methoxychlor	ND	5.0	1	B8G0216	07/10/2018	07/11/18 23:05	
Toxaphene	ND	50	1	B8G0216	07/10/2018	07/11/18 23:05	
<i>Surrogate: Decachlorobiphenyl</i>	<i>70.6 %</i>	<i>15 - 100</i>		B8G0216	07/10/2018	<i>07/11/18 23:05</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>53.5 %</i>	<i>16 - 100</i>		B8G0216	07/10/2018	<i>07/11/18 23:05</i>	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-53/56

Lab ID: 1802449-AW

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:16	
4,4'-DDE	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:16	
4,4'-DDT	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Aldrin	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:16	
alpha-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:16	
alpha-Chlordane [2C]	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:16	
beta-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Chlordane [2C]	ND	8.5	1	B8G0216	07/10/2018	07/11/18 23:16	
delta-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Dieldrin	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Endosulfan I	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Endosulfan II	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Endosulfan sulfate	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Endrin	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Endrin aldehyde	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Endrin ketone	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:16	
gamma-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:16	
gamma-Chlordane [2C]	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Heptachlor	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Heptachlor epoxide	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Methoxychlor	ND	5.0	1	B8G0216	07/10/2018	07/11/18 23:16	
Toxaphene	ND	50	1	B8G0216	07/10/2018	07/11/18 23:16	
Surrogate: Decachlorobiphenyl	71.7 %	15 - 100		B8G0216	07/10/2018	07/11/18 23:16	
Surrogate: Tetrachloro-m-xylene	54.8 %	16 - 100		B8G0216	07/10/2018	07/11/18 23:16	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-57/60

Lab ID: 1802449-AX

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:26	
4,4'-DDE	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:26	
4,4'-DDT	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Aldrin	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:26	
alpha-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:26	
alpha-Chlordane	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:26	
beta-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Chlordane	ND	8.5	1	B8G0216	07/10/2018	07/11/18 23:26	
delta-BHC	1.1	1.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Dieldrin	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Endosulfan I	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Endosulfan II	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Endosulfan sulfate	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Endrin	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Endrin aldehyde	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Endrin ketone	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:26	
gamma-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:26	
gamma-Chlordane	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Heptachlor	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Heptachlor epoxide	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Methoxychlor	ND	5.0	1	B8G0216	07/10/2018	07/11/18 23:26	
Toxaphene	ND	50	1	B8G0216	07/10/2018	07/11/18 23:26	
<i>Surrogate: Decachlorobiphenyl</i>	<i>46.7 %</i>	<i>15 - 100</i>		B8G0216	07/10/2018	<i>07/11/18 23:26</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>41.7 %</i>	<i>16 - 100</i>		B8G0216	07/10/2018	<i>07/11/18 23:26</i>	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-61/64

Lab ID: 1802449-AY

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:36	
4,4'-DDE	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:36	
4,4'-DDT [2C]	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Aldrin	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:36	
alpha-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:36	
alpha-Chlordane [2C]	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:36	
beta-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Chlordane [2C]	ND	8.5	1	B8G0216	07/10/2018	07/11/18 23:36	
delta-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Dieldrin	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Endosulfan I	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Endosulfan II	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Endosulfan sulfate	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Endrin	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Endrin aldehyde	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Endrin ketone	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:36	
gamma-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:36	
gamma-Chlordane [2C]	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Heptachlor	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Heptachlor epoxide [2C]	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Methoxychlor	ND	5.0	1	B8G0216	07/10/2018	07/11/18 23:36	
Toxaphene	ND	50	1	B8G0216	07/10/2018	07/11/18 23:36	
Surrogate: Decachlorobiphenyl	52.9 %	15 - 100		B8G0216	07/10/2018	07/11/18 23:36	
Surrogate: Tetrachloro-m-xylene	53.8 %	16 - 100		B8G0216	07/10/2018	07/11/18 23:36	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-65/68

Lab ID: 1802449-AZ

Organochlorine Pesticides by EPA 8081

Analyst: CO

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:47	
4,4'-DDE	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:47	
4,4'-DDT	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Aldrin	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:47	
alpha-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:47	
alpha-Chlordane	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:47	
beta-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Chlordane	ND	8.5	1	B8G0216	07/10/2018	07/11/18 23:47	
delta-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Dieldrin	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Endosulfan I	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Endosulfan II	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Endosulfan sulfate	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Endrin	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Endrin aldehyde	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Endrin ketone	ND	2.0	1	B8G0216	07/10/2018	07/11/18 23:47	
gamma-BHC	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:47	
gamma-Chlordane	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Heptachlor	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Heptachlor epoxide	ND	1.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Methoxychlor	ND	5.0	1	B8G0216	07/10/2018	07/11/18 23:47	
Toxaphene	ND	50	1	B8G0216	07/10/2018	07/11/18 23:47	
Surrogate: Decachlorobiphenyl	58.0 %	15 - 100		B8G0216	07/10/2018	07/11/18 23:47	
Surrogate: Tetrachloro-m-xylene	41.9 %	16 - 100		B8G0216	07/10/2018	07/11/18 23:47	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-69/72

Lab ID: 1802449-BA

Organochlorine Pesticides by EPA 8081

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:36	
4,4'-DDE	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:36	
4,4'-DDT	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Aldrin	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:36	
alpha-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:36	
alpha-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:36	
beta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Chlordane	ND	8.5	1	B8G0302	07/12/2018	07/13/18 17:36	
delta-BHC	22	1.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Dieldrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Endosulfan I	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Endosulfan II	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Endosulfan sulfate	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Endrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Endrin aldehyde	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Endrin ketone	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:36	
gamma-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:36	
gamma-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Heptachlor	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Heptachlor epoxide	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Methoxychlor	ND	5.0	1	B8G0302	07/12/2018	07/13/18 17:36	
Toxaphene	ND	50	1	B8G0302	07/12/2018	07/13/18 17:36	
<i>Surrogate: Decachlorobiphenyl</i>	<i>87.0 %</i>	<i>15 - 100</i>		B8G0302	07/12/2018	<i>07/13/18 17:36</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>63.6 %</i>	<i>16 - 100</i>		B8G0302	07/12/2018	<i>07/13/18 17:36</i>	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-73/76

Lab ID: 1802449-BB

Organochlorine Pesticides by EPA 8081

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:46	
4,4'-DDE	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:46	
4,4'-DDT	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Aldrin	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:46	
alpha-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:46	
alpha-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:46	
beta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Chlordane [2C]	ND	8.5	1	B8G0302	07/12/2018	07/13/18 17:46	
delta-BHC	11	1.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Dieldrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Endosulfan I	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Endosulfan II	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Endosulfan sulfate	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Endrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Endrin aldehyde	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Endrin ketone	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:46	
gamma-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:46	
gamma-Chlordane [2C]	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Heptachlor	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Heptachlor epoxide	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Methoxychlor	ND	5.0	1	B8G0302	07/12/2018	07/13/18 17:46	
Toxaphene	ND	50	1	B8G0302	07/12/2018	07/13/18 17:46	
<i>Surrogate: Decachlorobiphenyl</i>	<i>70.8 %</i>	<i>15 - 100</i>		B8G0302	07/12/2018	<i>07/13/18 17:46</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>63.4 %</i>	<i>16 - 100</i>		B8G0302	07/12/2018	<i>07/13/18 17:46</i>	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-77/80

Lab ID: 1802449-BC

Organochlorine Pesticides by EPA 8081

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:25	
4,4'-DDE	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:25	
4,4'-DDT	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Aldrin	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:25	
alpha-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:25	
alpha-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:25	
beta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Chlordane	ND	8.5	1	B8G0302	07/12/2018	07/13/18 17:25	
delta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Dieldrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Endosulfan I	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Endosulfan II	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Endosulfan sulfate	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Endrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Endrin aldehyde	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Endrin ketone	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:25	
gamma-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:25	
gamma-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Heptachlor	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Heptachlor epoxide	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Methoxychlor	ND	5.0	1	B8G0302	07/12/2018	07/13/18 17:25	
Toxaphene	ND	50	1	B8G0302	07/12/2018	07/13/18 17:25	
Surrogate: Decachlorobiphenyl	64.0 %	15 - 100		B8G0302	07/12/2018	07/13/18 17:25	
Surrogate: Tetrachloro-m-xylene	51.9 %	16 - 100		B8G0302	07/12/2018	07/13/18 17:25	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-81/84

Lab ID: 1802449-BD

Organochlorine Pesticides by EPA 8081

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:57	
4,4'-DDE	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:57	
4,4'-DDT	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Aldrin	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:57	
alpha-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:57	
alpha-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:57	
beta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Chlordane [2C]	ND	8.5	1	B8G0302	07/12/2018	07/13/18 17:57	
delta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Dieldrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Endosulfan I	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Endosulfan II	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Endosulfan sulfate	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Endrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Endrin aldehyde	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Endrin ketone	ND	2.0	1	B8G0302	07/12/2018	07/13/18 17:57	
gamma-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:57	
gamma-Chlordane [2C]	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Heptachlor	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Heptachlor epoxide	ND	1.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Methoxychlor	ND	5.0	1	B8G0302	07/12/2018	07/13/18 17:57	
Toxaphene	ND	50	1	B8G0302	07/12/2018	07/13/18 17:57	
Surrogate: Decachlorobiphenyl	59.7 %	15 - 100		B8G0302	07/12/2018	07/13/18 17:57	
Surrogate: Tetrachloro-m-xylene	44.9 %	16 - 100		B8G0302	07/12/2018	07/13/18 17:57	



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Client Sample ID Composite SS-85/88

Lab ID: 1802449-BE

Organochlorine Pesticides by EPA 8081

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:07	
4,4'-DDE	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:07	
4,4'-DDT	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Aldrin	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:07	
alpha-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:07	
alpha-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:07	
beta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Chlordane	ND	8.5	1	B8G0302	07/12/2018	07/13/18 18:07	
delta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Dieldrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Endosulfan I	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Endosulfan II	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Endosulfan sulfate	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Endrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Endrin aldehyde	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Endrin ketone	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:07	
gamma-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:07	
gamma-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Heptachlor	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Heptachlor epoxide	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Methoxychlor	ND	5.0	1	B8G0302	07/12/2018	07/13/18 18:07	
Toxaphene	ND	50	1	B8G0302	07/12/2018	07/13/18 18:07	
Surrogate: Decachlorobiphenyl	76.9 %	15 - 100		B8G0302	07/12/2018	07/13/18 18:07	
Surrogate: Tetrachloro-m-xylene	51.8 %	16 - 100		B8G0302	07/12/2018	07/13/18 18:07	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-89/92

Lab ID: 1802449-BF

Organochlorine Pesticides by EPA 8081

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:18	
4,4'-DDE	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:18	
4,4'-DDT	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Aldrin	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:18	
alpha-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:18	
alpha-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:18	
beta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Chlordane	ND	8.5	1	B8G0302	07/12/2018	07/13/18 18:18	
delta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Dieldrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Endosulfan I	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Endosulfan II	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Endosulfan sulfate	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Endrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Endrin aldehyde	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Endrin ketone	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:18	
gamma-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:18	
gamma-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Heptachlor	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Heptachlor epoxide	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Methoxychlor	ND	5.0	1	B8G0302	07/12/2018	07/13/18 18:18	
Toxaphene	ND	50	1	B8G0302	07/12/2018	07/13/18 18:18	
Surrogate: Decachlorobiphenyl	76.1 %	15 - 100		B8G0302	07/12/2018	07/13/18 18:18	
Surrogate: Tetrachloro-m-xylene	48.8 %	16 - 100		B8G0302	07/12/2018	07/13/18 18:18	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-93/96

Lab ID: 1802449-BG

Organochlorine Pesticides by EPA 8081

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:28	
4,4'-DDE	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:28	
4,4'-DDT	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Aldrin	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:28	
alpha-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:28	
alpha-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:28	
beta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Chlordane	ND	8.5	1	B8G0302	07/12/2018	07/13/18 18:28	
delta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Dieldrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Endosulfan I	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Endosulfan II	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Endosulfan sulfate	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Endrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Endrin aldehyde	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Endrin ketone	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:28	
gamma-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:28	
gamma-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Heptachlor	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Heptachlor epoxide	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Methoxychlor	ND	5.0	1	B8G0302	07/12/2018	07/13/18 18:28	
Toxaphene	ND	50	1	B8G0302	07/12/2018	07/13/18 18:28	
Surrogate: Decachlorobiphenyl	88.5 %	15 - 100		B8G0302	07/12/2018	07/13/18 18:28	
Surrogate: Tetrachloro-m-xylene	59.0 %	16 - 100		B8G0302	07/12/2018	07/13/18 18:28	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-97/100

Lab ID: 1802449-BH

Organochlorine Pesticides by EPA 8081

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:39	
4,4'-DDE	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:39	
4,4'-DDT	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Aldrin	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:39	
alpha-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:39	
alpha-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:39	
beta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Chlordane	ND	8.5	1	B8G0302	07/12/2018	07/13/18 18:39	
delta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Dieldrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Endosulfan I	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Endosulfan II	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Endosulfan sulfate	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Endrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Endrin aldehyde	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Endrin ketone	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:39	
gamma-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:39	
gamma-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Heptachlor	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Heptachlor epoxide	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Methoxychlor	ND	5.0	1	B8G0302	07/12/2018	07/13/18 18:39	
Toxaphene	ND	50	1	B8G0302	07/12/2018	07/13/18 18:39	
Surrogate: Decachlorobiphenyl	74.0 %	15 - 100		B8G0302	07/12/2018	07/13/18 18:39	
Surrogate: Tetrachloro-m-xylene	67.3 %	16 - 100		B8G0302	07/12/2018	07/13/18 18:39	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-101/104

Lab ID: 1802449-BI

Organochlorine Pesticides by EPA 8081

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:49	
4,4'-DDE	3.3	2.0	1	B8G0302	07/12/2018	07/13/18 18:49	
4,4'-DDT	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Aldrin	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:49	
alpha-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:49	
alpha-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:49	
beta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Chlordane	ND	8.5	1	B8G0302	07/12/2018	07/13/18 18:49	
delta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Dieldrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Endosulfan I	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Endosulfan II	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Endosulfan sulfate	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Endrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Endrin aldehyde	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Endrin ketone	ND	2.0	1	B8G0302	07/12/2018	07/13/18 18:49	
gamma-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:49	
gamma-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Heptachlor	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Heptachlor epoxide	ND	1.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Methoxychlor	ND	5.0	1	B8G0302	07/12/2018	07/13/18 18:49	
Toxaphene	ND	50	1	B8G0302	07/12/2018	07/13/18 18:49	
Surrogate: Decachlorobiphenyl	95.9 %	15 - 100		B8G0302	07/12/2018	07/13/18 18:49	
Surrogate: Tetrachloro-m-xylene	80.8 %	16 - 100		B8G0302	07/12/2018	07/13/18 18:49	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Client Sample ID Composite SS-105/108

Lab ID: 1802449-BJ

Organochlorine Pesticides by EPA 8081

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B8G0302	07/12/2018	07/13/18 19:00	
4,4'-DDE	ND	2.0	1	B8G0302	07/12/2018	07/13/18 19:00	
4,4'-DDT	ND	2.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Aldrin	ND	1.0	1	B8G0302	07/12/2018	07/13/18 19:00	
alpha-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 19:00	
alpha-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 19:00	
beta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Chlordane	ND	8.5	1	B8G0302	07/12/2018	07/13/18 19:00	
delta-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Dieldrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Endosulfan I	ND	1.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Endosulfan II	ND	2.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Endosulfan sulfate	ND	2.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Endrin	ND	2.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Endrin aldehyde	ND	2.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Endrin ketone	ND	2.0	1	B8G0302	07/12/2018	07/13/18 19:00	
gamma-BHC	ND	1.0	1	B8G0302	07/12/2018	07/13/18 19:00	
gamma-Chlordane	ND	1.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Heptachlor	ND	1.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Heptachlor epoxide	ND	1.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Methoxychlor	ND	5.0	1	B8G0302	07/12/2018	07/13/18 19:00	
Toxaphene	ND	50	1	B8G0302	07/12/2018	07/13/18 19:00	
Surrogate: Decachlorobiphenyl	58.6 %	15 - 100		B8G0302	07/12/2018	07/13/18 19:00	
Surrogate: Tetrachloro-m-xylene	42.3 %	16 - 100		B8G0302	07/12/2018	07/13/18 19:00	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

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
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Batch B8G0182 - EPA 3050B_S

Blank (B8G0182-BLK1)

Prepared: 7/9/2018 Analyzed: 7/10/2018

Arsenic ND 1.0 0.12

LCS (B8G0182-BS1)

Prepared: 7/9/2018 Analyzed: 7/10/2018

Arsenic 44.0158 1.0 0.12 50.0000 88.0 80 - 120

Matrix Spike (B8G0182-MS1)

Source: 1802449-04

Prepared: 7/9/2018 Analyzed: 7/10/2018

Arsenic 100.728 1.0 0.12 125.000 2.41513 78.7 49 - 99

Matrix Spike Dup (B8G0182-MSD1)

Source: 1802449-04

Prepared: 7/9/2018 Analyzed: 7/10/2018

Arsenic 97.2290 1.0 0.12 125.628 2.41513 75.5 49 - 99 3.54 20



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

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
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Batch B8G0184 - EPA 3050B_S

Blank (B8G0184-BLK1)

Prepared: 7/10/2018 Analyzed: 7/10/2018

Arsenic ND 1.0 0.12

LCS (B8G0184-BS1)

Prepared: 7/10/2018 Analyzed: 7/10/2018

Arsenic 42.1919 1.0 0.12 50.0000 84.4 80 - 120

Matrix Spike (B8G0184-MS1)

Source: 1802449-84

Prepared: 7/10/2018 Analyzed: 7/10/2018

Arsenic 98.3282 1.0 0.12 125.000 1.69986 77.3 49 - 99

Matrix Spike Dup (B8G0184-MSD1)

Source: 1802449-84

Prepared: 7/10/2018 Analyzed: 7/10/2018

Arsenic 96.7576 1.0 0.12 125.000 1.69986 76.0 49 - 99 1.61 20



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B8G0216 - GCSEMI_PCB/PEST_S

Blank (B8G0216-BLK1)

Prepared: 7/10/2018 Analyzed: 7/11/2018

4,4'-DDD	ND	2.0	0.10
4,4'-DDD [2C]	ND	2.0	0.10
4,4'-DDE	ND	2.0	0.07
4,4'-DDE [2C]	ND	2.0	0.07
4,4'-DDT	ND	2.0	0.14
4,4'-DDT [2C]	ND	2.0	0.14
Aldrin	ND	1.0	0.08
Aldrin [2C]	ND	1.0	0.08
alpha-BHC	ND	1.0	0.04
alpha-BHC [2C]	ND	1.0	0.04
alpha-Chlordane	ND	1.0	0.04
alpha-Chlordane [2C]	ND	1.0	0.04
beta-BHC	ND	1.0	0.04
beta-BHC [2C]	ND	1.0	0.04
Chlordane	ND	8.5	0.90
Chlordane [2C]	ND	8.5	0.90
delta-BHC	ND	1.0	0.04
delta-BHC [2C]	ND	1.0	0.04
Dieldrin	ND	2.0	0.05
Dieldrin [2C]	ND	2.0	0.05
Endosulfan I	ND	1.0	0.04
Endosulfan I [2C]	ND	1.0	0.04
Endosulfan II	ND	2.0	0.10
Endosulfan II [2C]	ND	2.0	0.10
Endosulfan sulfate	ND	2.0	0.06
Endosulfan Sulfate [2C]	ND	2.0	0.06
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	0.07
Endrin ketone [2C]	ND	2.0	0.07
gamma-BHC	ND	1.0	0.05
gamma-BHC [2C]	ND	1.0	0.05
gamma-Chlordane	ND	1.0	0.04
gamma-Chlordane [2C]	ND	1.0	0.04
Heptachlor	ND	1.0	0.07
Heptachlor [2C]	ND	1.0	0.07
Heptachlor epoxide	ND	1.0	0.04
Heptachlor epoxide [2C]	ND	1.0	0.04
Methoxychlor	ND	5.0	0.10
Methoxychlor [2C]	ND	5.0	0.10
Toxaphene	ND	50	8.2
Toxaphene [2C]	ND	50	8.2



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

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

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B8G0216 - GCSEMI_PCB/PEST_S (continued)

Blank (B8G0216-BLK1) - Continued

Prepared: 7/10/2018 Analyzed: 7/11/2018

Surrogate: Decachlorobiphenyl	14.90		16.6667		89.4	15 - 100		
Surrogate: Decachlorobiphenyl [2C]	12.12		16.6667		72.7	15 - 100		
Surrogate: Tetrachloro-m-xylene	13.68		16.6667		82.1	16 - 100		
Surrogate: Tetrachloro-m-xylene [2C]	12.81		16.6667		76.9	16 - 100		

LCS (B8G0216-BS1)

Prepared: 7/10/2018 Analyzed: 7/11/2018

4,4'-DDD	16.1295	2.0	0.10	16.6667	96.8	62 - 129		
4,4'-DDD [2C]	15.2205	2.0	0.10	16.6667	91.3	62 - 129		
4,4'-DDE	15.9422	2.0	0.07	16.6667	95.7	65 - 117		
4,4'-DDE [2C]	14.5082	2.0	0.07	16.6667	87.0	65 - 117		
4,4'-DDT	17.2252	2.0	0.14	16.6667	103	35 - 136		
4,4'-DDT [2C]	15.7702	2.0	0.14	16.6667	94.6	35 - 136		
Aldrin	15.3170	1.0	0.08	16.6667	91.9	67 - 110		
Aldrin [2C]	14.6723	1.0	0.08	16.6667	88.0	67 - 110		
alpha-BHC	14.8175	1.0	0.04	16.6667	88.9	69 - 110		
alpha-BHC [2C]	15.1862	1.0	0.04	16.6667	91.1	69 - 110		
alpha-Chlordane	15.7178	1.0	0.04	16.6667	94.3	65 - 114		
alpha-Chlordane [2C]	14.2787	1.0	0.04	16.6667	85.7	65 - 114		
beta-BHC	14.3192	1.0	0.04	16.6667	85.9	64 - 108		
beta-BHC [2C]	14.4837	1.0	0.04	16.6667	86.9	64 - 108		
delta-BHC	16.0190	1.0	0.04	16.6667	96.1	44 - 110		
delta-BHC [2C]	15.0522	1.0	0.04	16.6667	90.3	44 - 110		
Dieldrin	15.0697	2.0	0.05	16.6667	90.4	63 - 107		
Dieldrin [2C]	14.1118	2.0	0.05	16.6667	84.7	63 - 107		
Endosulfan I	15.1290	1.0	0.04	16.6667	90.8	63 - 103		
Endosulfan I [2C]	14.3273	1.0	0.04	16.6667	86.0	63 - 103		
Endosulfan II	17.3783	2.0	0.10	16.6667	104	62 - 122		
Endosulfan II [2C]	15.4052	2.0	0.10	16.6667	92.4	62 - 122		
Endosulfan sulfate	17.0418	2.0	0.06	16.6667	102	53 - 127		
Endosulfan Sulfate [2C]	14.4075	2.0	0.06	16.6667	86.4	53 - 127		
Endrin	16.6280	2.0	0.08	16.6667	99.8	66 - 120		
Endrin [2C]	15.5212	2.0	0.08	16.6667	93.1	66 - 120		
Endrin aldehyde	18.7092	2.0	0.09	16.6667	112	67 - 121		
Endrin aldehyde [2C]	16.7105	2.0	0.09	16.6667	100	67 - 121		
Endrin ketone	16.4167	2.0	0.07	16.6667	98.5	41 - 146		
Endrin ketone [2C]	14.7812	2.0	0.07	16.6667	88.7	41 - 146		
gamma-BHC	14.4758	1.0	0.05	16.6667	86.9	67 - 109		
gamma-BHC [2C]	14.3610	1.0	0.05	16.6667	86.2	67 - 109		
gamma-Chlordane	15.1828	1.0	0.04	16.6667	91.1	63 - 110		
gamma-Chlordane [2C]	14.3042	1.0	0.04	16.6667	85.8	63 - 110		
Heptachlor	15.3455	1.0	0.07	16.6667	92.1	67 - 120		
Heptachlor [2C]	15.8465	1.0	0.07	16.6667	95.1	67 - 120		
Heptachlor epoxide	14.6685	1.0	0.04	16.6667	88.0	62 - 108		
Heptachlor epoxide [2C]	14.0378	1.0	0.04	16.6667	84.2	62 - 108		
Methoxychlor	18.9762	5.0	0.10	16.6667	114	47 - 152		



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

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

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B8G0216 - GCSEMI_PCB/PEST_S (continued)

LCS (B8G0216-BS1) - Continued

Prepared: 7/10/2018 Analyzed: 7/11/2018

Methoxychlor [2C]	17.2293	5.0	0.10	16.6667		103	47 - 152	
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Surrogate: Decachlorobiphenyl	15.89			16.6667		95.4	15 - 100	
Surrogate: Decachlorobiphenyl [2C]	13.84			16.6667		83.0	15 - 100	
Surrogate: Tetrachloro-m-xylene	14.24			16.6667		85.5	16 - 100	
Surrogate: Tetrachloro-m-xylene [2C]	13.16			16.6667		78.9	16 - 100	

Matrix Spike (B8G0216-MS1)

Source: 1802449-AW

Prepared: 7/10/2018 Analyzed: 7/11/2018

4,4'-DDD	13.7555	2.0	0.10	16.6667	ND	82.5	0 - 127	
4,4'-DDD [2C]	13.6830	2.0	0.10	16.6667	ND	82.1	0 - 127	
4,4'-DDE	13.6447	2.0	0.07	16.6667	0.206167	80.6	0 - 125	
4,4'-DDE [2C]	12.2182	2.0	0.07	16.6667	0.173833	72.3	0 - 125	
4,4'-DDT	15.5670	2.0	0.14	16.6667	ND	93.4	0 - 103	
4,4'-DDT [2C]	14.3265	2.0	0.14	16.6667	ND	86.0	0 - 103	
Aldrin	18.1093	1.0	0.08	16.6667	ND	109	6 - 104	
Aldrin [2C]	11.9145	1.0	0.08	16.6667	ND	71.5	6 - 104	
alpha-BHC	12.2187	1.0	0.04	16.6667	ND	73.3	0 - 114	
alpha-BHC [2C]	13.5123	1.0	0.04	16.6667	ND	81.1	0 - 114	
alpha-Chlordane	13.0763	1.0	0.04	16.6667	0.352667	76.3	0 - 110	
alpha-Chlordane [2C]	13.1817	1.0	0.04	16.6667	0.827333	74.1	0 - 110	
beta-BHC	16.3425	1.0	0.04	16.6667	ND	98.1	0 - 129	
beta-BHC [2C]	13.9998	1.0	0.04	16.6667	ND	84.0	0 - 129	
delta-BHC	13.0952	1.0	0.04	16.6667	ND	78.6	18 - 99	
delta-BHC [2C]	13.4660	1.0	0.04	16.6667	ND	80.8	18 - 99	
Dieldrin	13.4607	2.0	0.05	16.6667	ND	80.8	0 - 124	
Dieldrin [2C]	12.7407	2.0	0.05	16.6667	ND	76.4	0 - 124	
Endosulfan I	12.0133	1.0	0.04	16.6667	ND	72.1	0 - 106	
Endosulfan I [2C]	12.1713	1.0	0.04	16.6667	ND	73.0	0 - 106	
Endosulfan II	14.7497	2.0	0.10	16.6667	ND	88.5	20 - 130	
Endosulfan II [2C]	13.5668	2.0	0.10	16.6667	ND	81.4	20 - 130	
Endosulfan sulfate	14.2467	2.0	0.06	16.6667	ND	85.5	24 - 119	
Endosulfan Sulfate [2C]	12.5470	2.0	0.06	16.6667	ND	75.3	24 - 119	
Endrin	13.8437	2.0	0.08	16.6667	ND	83.1	0 - 135	
Endrin [2C]	13.3805	2.0	0.08	16.6667	ND	80.3	0 - 135	
Endrin aldehyde	15.5895	2.0	0.09	16.6667	ND	93.5	19 - 132	
Endrin aldehyde [2C]	10.7050	2.0	0.09	16.6667	ND	64.2	19 - 132	
Endrin ketone	14.1892	2.0	0.07	16.6667	ND	85.1	7 - 141	
Endrin ketone [2C]	14.0152	2.0	0.07	16.6667	ND	84.1	7 - 141	
gamma-BHC	12.3122	1.0	0.05	16.6667	ND	73.9	0 - 117	
gamma-BHC [2C]	12.9175	1.0	0.05	16.6667	ND	77.5	0 - 117	
gamma-Chlordane	51.7837	1.0	0.04	16.6667	43.6765	48.6	0 - 156	
gamma-Chlordane [2C]	12.0160	1.0	0.04	16.6667	0.696500	67.9	0 - 156	
Heptachlor	13.0242	1.0	0.07	16.6667	ND	78.1	3 - 112	
Heptachlor [2C]	12.0088	1.0	0.07	16.6667	ND	72.1	3 - 112	
Heptachlor epoxide	11.9908	1.0	0.04	16.6667	ND	71.9	0 - 118	
Heptachlor epoxide [2C]	11.3827	1.0	0.04	16.6667	ND	68.3	0 - 118	

M2



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Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

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

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B8G0216 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B8G0216-MS1) - Continued

Source: 1802449-AW

Prepared: 7/10/2018 Analyzed: 7/11/2018

Methoxychlor	18.8688	5.0	0.10	16.6667	ND	113	0 - 161		
Methoxychlor [2C]	16.8407	5.0	0.10	16.6667	ND	101	0 - 161		
Surrogate: Decachlorobiphenyl	15.36			16.6667		92.2	15 - 100		
Surrogate: Decachlorobiphenyl [2C]	11.90			16.6667		71.4	15 - 100		
Surrogate: Tetrachloro-m-xylene	12.22			16.6667		73.3	16 - 100		
Surrogate: Tetrachloro-m-xylene [2C]	11.89			16.6667		71.3	16 - 100		

Matrix Spike Dup (B8G0216-MSD1)

Source: 1802449-AW

Prepared: 7/10/2018 Analyzed: 7/11/2018

4,4'-DDD	12.7002	2.0	0.10	16.6667	ND	76.2	0 - 127	7.98	20
4,4'-DDD [2C]	13.0852	2.0	0.10	16.6667	ND	78.5	0 - 127	4.47	20
4,4'-DDE	13.2963	2.0	0.07	16.6667	0.206167	78.5	0 - 125	2.59	20
4,4'-DDE [2C]	11.4427	2.0	0.07	16.6667	0.173833	67.6	0 - 125	6.56	20
4,4'-DDT	13.2883	2.0	0.14	16.6667	ND	79.7	0 - 103	15.8	20
4,4'-DDT [2C]	10.7930	2.0	0.14	16.6667	ND	64.8	0 - 103	28.1	20 R3
Aldrin	17.1962	1.0	0.08	16.6667	ND	103	6 - 104	5.17	20
Aldrin [2C]	11.2832	1.0	0.08	16.6667	ND	67.7	6 - 104	5.44	20
alpha-BHC	12.1952	1.0	0.04	16.6667	ND	73.2	0 - 114	0.193	20
alpha-BHC [2C]	13.0797	1.0	0.04	16.6667	ND	78.5	0 - 114	3.25	20
alpha-Chlordane	12.7490	1.0	0.04	16.6667	0.352667	74.4	0 - 110	2.53	20
alpha-Chlordane [2C]	12.2873	1.0	0.04	16.6667	0.827333	68.8	0 - 110	7.02	20
beta-BHC	16.1678	1.0	0.04	16.6667	ND	97.0	0 - 129	1.07	20
beta-BHC [2C]	13.3363	1.0	0.04	16.6667	ND	80.0	0 - 129	4.85	20
delta-BHC	13.1312	1.0	0.04	16.6667	ND	78.8	18 - 99	0.275	20
delta-BHC [2C]	12.8568	1.0	0.04	16.6667	ND	77.1	18 - 99	4.63	20
Dieldrin	13.0803	2.0	0.05	16.6667	ND	78.5	0 - 124	2.87	20
Dieldrin [2C]	11.5803	2.0	0.05	16.6667	ND	69.5	0 - 124	9.54	20
Endosulfan I	11.8007	1.0	0.04	16.6667	ND	70.8	0 - 106	1.79	20
Endosulfan I [2C]	11.2670	1.0	0.04	16.6667	ND	67.6	0 - 106	7.72	20
Endosulfan II	13.9020	2.0	0.10	16.6667	ND	83.4	20 - 130	5.92	20
Endosulfan II [2C]	11.9768	2.0	0.10	16.6667	ND	71.9	20 - 130	12.4	20
Endosulfan sulfate	13.5033	2.0	0.06	16.6667	ND	81.0	24 - 119	5.36	20
Endosulfan Sulfate [2C]	11.5473	2.0	0.06	16.6667	ND	69.3	24 - 119	8.30	20
Endrin	12.3312	2.0	0.08	16.6667	ND	74.0	0 - 135	11.6	20
Endrin [2C]	12.3667	2.0	0.08	16.6667	ND	74.2	0 - 135	7.88	20
Endrin aldehyde	14.6337	2.0	0.09	16.6667	ND	87.8	19 - 132	6.33	20
Endrin aldehyde [2C]	10.1022	2.0	0.09	16.6667	ND	60.6	19 - 132	5.79	20
Endrin ketone	13.2265	2.0	0.07	16.6667	ND	79.4	7 - 141	7.02	20
Endrin ketone [2C]	13.0640	2.0	0.07	16.6667	ND	78.4	7 - 141	7.03	20
gamma-BHC	12.2057	1.0	0.05	16.6667	ND	73.2	0 - 117	0.869	20
gamma-BHC [2C]	12.4683	1.0	0.05	16.6667	ND	74.8	0 - 117	3.54	20
gamma-Chlordane	54.2848	1.0	0.04	16.6667	43.6765	63.7	0 - 156	4.72	20
gamma-Chlordane [2C]	11.3170	1.0	0.04	16.6667	0.696500	63.7	0 - 156	5.99	20
Heptachlor	12.7812	1.0	0.07	16.6667	ND	76.7	3 - 112	1.88	20
Heptachlor [2C]	11.5828	1.0	0.07	16.6667	ND	69.5	3 - 112	3.61	20
Heptachlor epoxide	10.6730	1.0	0.04	16.6667	ND	64.0	0 - 118	11.6	20



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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 B8G0216 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B8G0216-MSD1) - Continued

Source: 1802449-AW

Prepared: 7/10/2018 Analyzed: 7/11/2018

Heptachlor epoxide [2C]	10.6423	1.0	0.04	16.6667	ND	63.9	0 - 118	6.72	20	
Methoxychlor	16.9095	5.0	0.10	16.6667	ND	101	0 - 161	11.0	20	
Methoxychlor [2C]	13.8617	5.0	0.10	16.6667	ND	83.2	0 - 161	19.4	20	

Surrogate: Decachlorobiphenyl	14.81			16.6667		88.9	15 - 100			
Surrogate: Decachlorobiphenyl [2C]	10.46			16.6667		62.8	15 - 100			
Surrogate: Tetrachloro-m-xylene	12.20			16.6667		73.2	16 - 100			
Surrogate: Tetrachloro-m-xylene [2C]	11.50			16.6667		69.0	16 - 100			



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Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B8G0218 - GCSEMI_PCB/PEST_S

Blank (B8G0218-BLK1)

Prepared: 7/10/2018 Analyzed: 7/11/2018

4,4'-DDD	ND	2.0	0.10
4,4'-DDD [2C]	ND	2.0	0.10
4,4'-DDE	ND	2.0	0.07
4,4'-DDE [2C]	ND	2.0	0.07
4,4'-DDT	ND	2.0	0.14
4,4'-DDT [2C]	ND	2.0	0.14
Aldrin	ND	1.0	0.08
Aldrin [2C]	ND	1.0	0.08
alpha-BHC	ND	1.0	0.04
alpha-BHC [2C]	ND	1.0	0.04
alpha-Chlordane	ND	1.0	0.04
alpha-Chlordane [2C]	ND	1.0	0.04
beta-BHC	ND	1.0	0.04
beta-BHC [2C]	ND	1.0	0.04
Chlordane	ND	8.5	0.90
Chlordane [2C]	ND	8.5	0.90
delta-BHC	ND	1.0	0.04
delta-BHC [2C]	ND	1.0	0.04
Dieldrin	ND	2.0	0.05
Dieldrin [2C]	ND	2.0	0.05
Endosulfan I	ND	1.0	0.04
Endosulfan I [2C]	ND	1.0	0.04
Endosulfan II	ND	2.0	0.10
Endosulfan II [2C]	ND	2.0	0.10
Endosulfan sulfate	ND	2.0	0.06
Endosulfan Sulfate [2C]	ND	2.0	0.06
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	0.07
Endrin ketone [2C]	ND	2.0	0.07
gamma-BHC	ND	1.0	0.05
gamma-BHC [2C]	ND	1.0	0.05
gamma-Chlordane	ND	1.0	0.04
gamma-Chlordane [2C]	ND	1.0	0.04
Heptachlor	ND	1.0	0.07
Heptachlor [2C]	ND	1.0	0.07
Heptachlor epoxide	ND	1.0	0.04
Heptachlor epoxide [2C]	ND	1.0	0.04
Methoxychlor	ND	5.0	0.10
Methoxychlor [2C]	ND	5.0	0.10
Toxaphene	ND	50	8.2
Toxaphene [2C]	ND	50	8.2



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

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B8G0218 - GCSEMI_PCB/PEST_S (continued)

Blank (B8G0218-BLK1) - Continued

Prepared: 7/10/2018 Analyzed: 7/11/2018

Surrogate: Decachlorobiphenyl	13.15		16.6667		78.9	15 - 100		
Surrogate: Decachlorobiphenyl [2C]	10.23		16.6667		61.4	15 - 100		
Surrogate: Tetrachloro-m-xylene	13.45		16.6667		80.7	16 - 100		
Surrogate: Tetrachloro-m-xylene [2C]	12.84		16.6667		77.0	16 - 100		

LCS (B8G0218-BS1)

Prepared: 7/10/2018 Analyzed: 7/11/2018

4,4'-DDD	16.4607	2.0	0.10	16.6667	98.8	62 - 129		
4,4'-DDD [2C]	15.5245	2.0	0.10	16.6667	93.1	62 - 129		
4,4'-DDE	14.5260	2.0	0.07	16.6667	87.2	65 - 117		
4,4'-DDE [2C]	13.0542	2.0	0.07	16.6667	78.3	65 - 117		
4,4'-DDT	11.4242	2.0	0.14	16.6667	68.5	35 - 136		
4,4'-DDT [2C]	11.0678	2.0	0.14	16.6667	66.4	35 - 136		
Aldrin	14.2585	1.0	0.08	16.6667	85.6	67 - 110		
Aldrin [2C]	13.4362	1.0	0.08	16.6667	80.6	67 - 110		
alpha-BHC	14.1998	1.0	0.04	16.6667	85.2	69 - 110		
alpha-BHC [2C]	13.5695	1.0	0.04	16.6667	81.4	69 - 110		
alpha-Chlordane	14.4695	1.0	0.04	16.6667	86.8	65 - 114		
alpha-Chlordane [2C]	13.0017	1.0	0.04	16.6667	78.0	65 - 114		
beta-BHC	13.8523	1.0	0.04	16.6667	83.1	64 - 108		
beta-BHC [2C]	13.2975	1.0	0.04	16.6667	79.8	64 - 108		
delta-BHC	15.3490	1.0	0.04	16.6667	92.1	44 - 110		
delta-BHC [2C]	14.1698	1.0	0.04	16.6667	85.0	44 - 110		
Dieldrin	13.6962	2.0	0.05	16.6667	82.2	63 - 107		
Dieldrin [2C]	12.6880	2.0	0.05	16.6667	76.1	63 - 107		
Endosulfan I	13.9142	1.0	0.04	16.6667	83.5	63 - 103		
Endosulfan I [2C]	13.0345	1.0	0.04	16.6667	78.2	63 - 103		
Endosulfan II	15.7105	2.0	0.10	16.6667	94.3	62 - 122		
Endosulfan II [2C]	13.8537	2.0	0.10	16.6667	83.1	62 - 122		
Endosulfan sulfate	15.0187	2.0	0.06	16.6667	90.1	53 - 127		
Endosulfan Sulfate [2C]	13.0795	2.0	0.06	16.6667	78.5	53 - 127		
Endrin	14.7703	2.0	0.08	16.6667	88.6	66 - 120		
Endrin [2C]	13.7602	2.0	0.08	16.6667	82.6	66 - 120		
Endrin aldehyde	16.5152	2.0	0.09	16.6667	99.1	67 - 121		
Endrin aldehyde [2C]	15.0490	2.0	0.09	16.6667	90.3	67 - 121		
Endrin ketone	14.2938	2.0	0.07	16.6667	85.8	41 - 146		
Endrin ketone [2C]	12.9525	2.0	0.07	16.6667	77.7	41 - 146		
gamma-BHC	13.8150	1.0	0.05	16.6667	82.9	67 - 109		
gamma-BHC [2C]	13.2950	1.0	0.05	16.6667	79.8	67 - 109		
gamma-Chlordane	14.0685	1.0	0.04	16.6667	84.4	63 - 110		
gamma-Chlordane [2C]	13.1758	1.0	0.04	16.6667	79.1	63 - 110		
Heptachlor	13.9918	1.0	0.07	16.6667	84.0	67 - 120		
Heptachlor [2C]	13.9838	1.0	0.07	16.6667	83.9	67 - 120		
Heptachlor epoxide	13.5855	1.0	0.04	16.6667	81.5	62 - 108		
Heptachlor epoxide [2C]	12.8812	1.0	0.04	16.6667	77.3	62 - 108		
Methoxychlor	13.5100	5.0	0.10	16.6667	81.1	47 - 152		



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

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B8G0218 - GCSEMI_PCB/PEST_S (continued)

LCS (B8G0218-BS1) - Continued

Prepared: 7/10/2018 Analyzed: 7/11/2018

Methoxychlor [2C]	12.8137	5.0	0.10	16.6667		76.9	47 - 152		
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Surrogate: Decachlorobiphenyl	15.25			16.6667		91.5	15 - 100		
Surrogate: Decachlorobiphenyl [2C]	11.36			16.6667		68.1	15 - 100		
Surrogate: Tetrachloro-m-xylene	13.68			16.6667		82.1	16 - 100		
Surrogate: Tetrachloro-m-xylene [2C]	12.73			16.6667		76.4	16 - 100		

Matrix Spike (B8G0218-MS1)

Source: 1802449-AS

Prepared: 7/10/2018 Analyzed: 7/11/2018

4,4'-DDD	13.5427	2.0	0.10	16.6667	1.02467	75.1	0 - 127		
4,4'-DDD [2C]	13.1665	2.0	0.10	16.6667	0.936167	73.4	0 - 127		
4,4'-DDE	20.0742	2.0	0.07	16.6667	9.65417	62.5	0 - 125		
4,4'-DDE [2C]	16.7868	2.0	0.07	16.6667	8.15867	51.8	0 - 125		
4,4'-DDT	14.2482	2.0	0.14	16.6667	2.27783	71.8	0 - 103		
4,4'-DDT [2C]	11.9500	2.0	0.14	16.6667	1.28083	64.0	0 - 103		
Aldrin	13.2338	1.0	0.08	16.6667	ND	79.4	6 - 104		
Aldrin [2C]	11.1253	1.0	0.08	16.6667	ND	66.8	6 - 104		
alpha-BHC	11.8583	1.0	0.04	16.6667	ND	71.1	0 - 114		
alpha-BHC [2C]	11.8610	1.0	0.04	16.6667	ND	71.2	0 - 114		
alpha-Chlordane	12.9827	1.0	0.04	16.6667	0.822333	73.0	0 - 110		
alpha-Chlordane [2C]	17.2400	1.0	0.04	16.6667	8.38717	53.1	0 - 110		
beta-BHC	12.1543	1.0	0.04	16.6667	ND	72.9	0 - 129		
beta-BHC [2C]	11.8467	1.0	0.04	16.6667	ND	71.1	0 - 129		
delta-BHC	13.0398	1.0	0.04	16.6667	ND	78.2	18 - 99		
delta-BHC [2C]	12.2800	1.0	0.04	16.6667	ND	73.7	18 - 99		
Dieldrin	14.3020	2.0	0.05	16.6667	2.64983	69.9	0 - 124		
Dieldrin [2C]	12.8333	2.0	0.05	16.6667	2.78567	60.3	0 - 124		
Endosulfan I	11.5102	1.0	0.04	16.6667	ND	69.1	0 - 106		
Endosulfan I [2C]	11.0562	1.0	0.04	16.6667	ND	66.3	0 - 106		
Endosulfan II	14.3348	2.0	0.10	16.6667	ND	86.0	20 - 130		
Endosulfan II [2C]	11.9748	2.0	0.10	16.6667	ND	71.8	20 - 130		
Endosulfan sulfate	13.3008	2.0	0.06	16.6667	ND	79.8	24 - 119		
Endosulfan Sulfate [2C]	11.6762	2.0	0.06	16.6667	ND	70.1	24 - 119		
Endrin	13.2813	2.0	0.08	16.6667	ND	79.7	0 - 135		
Endrin [2C]	12.5265	2.0	0.08	16.6667	ND	75.2	0 - 135		
Endrin aldehyde	13.7013	2.0	0.09	16.6667	ND	82.2	19 - 132		
Endrin aldehyde [2C]	8.32517	2.0	0.09	16.6667	ND	50.0	19 - 132		
Endrin ketone	13.5953	2.0	0.07	16.6667	ND	81.6	7 - 141		
Endrin ketone [2C]	12.8497	2.0	0.07	16.6667	ND	77.1	7 - 141		
gamma-BHC	11.8140	1.0	0.05	16.6667	ND	70.9	0 - 117		
gamma-BHC [2C]	11.5827	1.0	0.05	16.6667	ND	69.5	0 - 117		
gamma-Chlordane	25.2522	1.0	0.04	16.6667	24.2713	5.89	0 - 156		
gamma-Chlordane [2C]	11.1963	1.0	0.04	16.6667	0.764167	62.6	0 - 156		
Heptachlor	11.8132	1.0	0.07	16.6667	ND	70.9	3 - 112		
Heptachlor [2C]	11.3002	1.0	0.07	16.6667	ND	67.8	3 - 112		
Heptachlor epoxide	12.2247	1.0	0.04	16.6667	1.09417	66.8	0 - 118		
Heptachlor epoxide [2C]	10.2227	1.0	0.04	16.6667	1.40883	52.9	0 - 118		



Certificate of Analysis

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

Project Number : Carlton Oaks, G2290-62-02
Report To : Brett Conner
Reported : 07/16/2018

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

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	Limits	RPD	RPD Limit	Notes
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Batch B8G0218 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B8G0218-MS1) - Continued

Source: 1802449-AS

Prepared: 7/10/2018 Analyzed: 7/11/2018

Methoxychlor	19.9800	5.0	0.10	16.6667	ND	120	0 - 161			
Methoxychlor [2C]	12.2932	5.0	0.10	16.6667	ND	73.8	0 - 161			
Surrogate: Decachlorobiphenyl	14.12			16.6667		84.7	15 - 100			
Surrogate: Decachlorobiphenyl [2C]	11.46			16.6667		68.8	15 - 100			
Surrogate: Tetrachloro-m-xylene	11.65			16.6667		69.9	16 - 100			
Surrogate: Tetrachloro-m-xylene [2C]	10.64			16.6667		63.8	16 - 100			

Matrix Spike Dup (B8G0218-MSD1)

Source: 1802449-AS

Prepared: 7/10/2018 Analyzed: 7/11/2018

4,4'-DDD	12.8625	2.0	0.10	16.6667	1.02467	71.0	0 - 127	5.15	20	
4,4'-DDD [2C]	13.9360	2.0	0.10	16.6667	0.936167	78.0	0 - 127	5.68	20	
4,4'-DDE	20.3163	2.0	0.07	16.6667	9.65417	64.0	0 - 125	1.20	20	
4,4'-DDE [2C]	16.3008	2.0	0.07	16.6667	8.15867	48.9	0 - 125	2.94	20	
4,4'-DDT	10.8637	2.0	0.14	16.6667	2.27783	51.5	0 - 103	27.0	20	R3
4,4'-DDT [2C]	7.99400	2.0	0.14	16.6667	1.28083	40.3	0 - 103	39.7	20	R3
Aldrin	13.1352	1.0	0.08	16.6667	ND	78.8	6 - 104	0.748	20	
Aldrin [2C]	10.5197	1.0	0.08	16.6667	ND	63.1	6 - 104	5.60	20	
alpha-BHC	11.6525	1.0	0.04	16.6667	ND	69.9	0 - 114	1.75	20	
alpha-BHC [2C]	11.5253	1.0	0.04	16.6667	ND	69.2	0 - 114	2.87	20	
alpha-Chlordane	12.6075	1.0	0.04	16.6667	0.822333	70.7	0 - 110	2.93	20	
alpha-Chlordane [2C]	16.6163	1.0	0.04	16.6667	8.38717	49.4	0 - 110	3.68	20	
beta-BHC	11.9085	1.0	0.04	16.6667	ND	71.5	0 - 129	2.04	20	
beta-BHC [2C]	11.4423	1.0	0.04	16.6667	ND	68.7	0 - 129	3.47	20	
delta-BHC	12.9403	1.0	0.04	16.6667	ND	77.6	18 - 99	0.766	20	
delta-BHC [2C]	11.8118	1.0	0.04	16.6667	ND	70.9	18 - 99	3.89	20	
Dieldrin	14.0218	2.0	0.05	16.6667	2.64983	68.2	0 - 124	1.98	20	
Dieldrin [2C]	12.4067	2.0	0.05	16.6667	2.78567	57.7	0 - 124	3.38	20	
Endosulfan I	11.2988	1.0	0.04	16.6667	ND	67.8	0 - 106	1.85	20	
Endosulfan I [2C]	10.6810	1.0	0.04	16.6667	ND	64.1	0 - 106	3.45	20	
Endosulfan II	13.4867	2.0	0.10	16.6667	ND	80.9	20 - 130	6.10	20	
Endosulfan II [2C]	11.1890	2.0	0.10	16.6667	ND	67.1	20 - 130	6.78	20	
Endosulfan sulfate	12.6427	2.0	0.06	16.6667	ND	75.9	24 - 119	5.07	20	
Endosulfan Sulfate [2C]	11.1377	2.0	0.06	16.6667	ND	66.8	24 - 119	4.72	20	
Endrin	12.0520	2.0	0.08	16.6667	ND	72.3	0 - 135	9.71	20	
Endrin [2C]	12.1255	2.0	0.08	16.6667	ND	72.8	0 - 135	3.25	20	
Endrin aldehyde	13.0070	2.0	0.09	16.6667	ND	78.0	19 - 132	5.20	20	
Endrin aldehyde [2C]	8.49733	2.0	0.09	16.6667	ND	51.0	19 - 132	2.05	20	
Endrin ketone	12.6047	2.0	0.07	16.6667	ND	75.6	7 - 141	7.56	20	
Endrin ketone [2C]	13.2483	2.0	0.07	16.6667	ND	79.5	7 - 141	3.06	20	
gamma-BHC	11.5267	1.0	0.05	16.6667	ND	69.2	0 - 117	2.46	20	
gamma-BHC [2C]	11.2267	1.0	0.05	16.6667	ND	67.4	0 - 117	3.12	20	
gamma-Chlordane	25.2313	1.0	0.04	16.6667	24.2713	5.76	0 - 156	0.0826	20	
gamma-Chlordane [2C]	10.9043	1.0	0.04	16.6667	0.764167	60.8	0 - 156	2.64	20	
Heptachlor	11.2455	1.0	0.07	16.6667	ND	67.5	3 - 112	4.92	20	
Heptachlor [2C]	10.6025	1.0	0.07	16.6667	ND	63.6	3 - 112	6.37	20	
Heptachlor epoxide	10.5283	1.0	0.04	16.6667	1.09417	56.6	0 - 118	14.9	20	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

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 B8G0218 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B8G0218-MSD1) - Continued

Source: 1802449-AS

Prepared: 7/10/2018 Analyzed: 7/11/2018

Heptachlor epoxide [2C]	10.1345	1.0	0.04	16.6667	1.40883	52.4	0 - 118	0.866	20	
Methoxychlor	16.8728	5.0	0.10	16.6667	ND	101	0 - 161	16.9	20	
Methoxychlor [2C]	9.09533	5.0	0.10	16.6667	ND	54.6	0 - 161	29.9	20	R3

Surrogate: Decachlorobiphenyl	13.47			16.6667		80.8	15 - 100			
Surrogate: Decachlorobiphenyl [2C]	10.27			16.6667		61.6	15 - 100			
Surrogate: Tetrachloro-m-xylene	11.39			16.6667		68.4	16 - 100			
Surrogate: Tetrachloro-m-xylene [2C]	10.41			16.6667		62.5	16 - 100			



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Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B8G0302 - GCSEMI_PCB/PEST_S

Blank (B8G0302-BLK1)

Prepared: 7/12/2018 Analyzed: 7/13/2018

4,4'-DDD	ND	2.0	0.10
4,4'-DDD [2C]	ND	2.0	0.10
4,4'-DDE	ND	2.0	0.07
4,4'-DDE [2C]	ND	2.0	0.07
4,4'-DDT	ND	2.0	0.14
4,4'-DDT [2C]	ND	2.0	0.14
Aldrin	ND	1.0	0.08
Aldrin [2C]	ND	1.0	0.08
alpha-BHC	ND	1.0	0.04
alpha-BHC [2C]	ND	1.0	0.04
alpha-Chlordane	ND	1.0	0.04
alpha-Chlordane [2C]	ND	1.0	0.04
beta-BHC	ND	1.0	0.04
beta-BHC [2C]	ND	1.0	0.04
Chlordane	ND	8.5	0.90
Chlordane [2C]	ND	8.5	0.90
delta-BHC	ND	1.0	0.04
delta-BHC [2C]	ND	1.0	0.04
Dieldrin	ND	2.0	0.05
Dieldrin [2C]	ND	2.0	0.05
Endosulfan I	ND	1.0	0.04
Endosulfan I [2C]	ND	1.0	0.04
Endosulfan II	ND	2.0	0.10
Endosulfan II [2C]	ND	2.0	0.10
Endosulfan sulfate	ND	2.0	0.06
Endosulfan Sulfate [2C]	ND	2.0	0.06
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	0.07
Endrin ketone [2C]	ND	2.0	0.07
gamma-BHC	ND	1.0	0.05
gamma-BHC [2C]	ND	1.0	0.05
gamma-Chlordane	ND	1.0	0.04
gamma-Chlordane [2C]	ND	1.0	0.04
Heptachlor	ND	1.0	0.07
Heptachlor [2C]	ND	1.0	0.07
Heptachlor epoxide	ND	1.0	0.04
Heptachlor epoxide [2C]	ND	1.0	0.04
Methoxychlor	ND	5.0	0.10
Methoxychlor [2C]	ND	5.0	0.10
Toxaphene	ND	50	8.2
Toxaphene [2C]	ND	50	8.2



Certificate of Analysis

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

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B8G0302 - GCSEMI_PCB/PEST_S (continued)

Blank (B8G0302-BLK1) - Continued

Prepared: 7/12/2018 Analyzed: 7/13/2018

Surrogate: Decachlorobiphenyl	14.64		16.6667		87.9	15 - 100		
Surrogate: Decachlorobiphenyl [2C]	11.40		16.6667		68.4	15 - 100		
Surrogate: Tetrachloro-m-xylene	14.30		16.6667		85.8	16 - 100		
Surrogate: Tetrachloro-m-xylene [2C]	12.92		16.6667		77.5	16 - 100		

LCS (B8G0302-BS1)

Prepared: 7/12/2018 Analyzed: 7/13/2018

4,4'-DDD	15.2060	2.0	0.10	16.6667	91.2	62 - 129		
4,4'-DDD [2C]	14.2465	2.0	0.10	16.6667	85.5	62 - 129		
4,4'-DDE	14.1767	2.0	0.07	16.6667	85.1	65 - 117		
4,4'-DDE [2C]	12.8087	2.0	0.07	16.6667	76.9	65 - 117		
4,4'-DDT	13.0542	2.0	0.14	16.6667	78.3	35 - 136		
4,4'-DDT [2C]	12.6310	2.0	0.14	16.6667	75.8	35 - 136		
Aldrin	13.9022	1.0	0.08	16.6667	83.4	67 - 110		
Aldrin [2C]	12.9553	1.0	0.08	16.6667	77.7	67 - 110		
alpha-BHC	14.0642	1.0	0.04	16.6667	84.4	69 - 110		
alpha-BHC [2C]	13.5995	1.0	0.04	16.6667	81.6	69 - 110		
alpha-Chlordane	14.0942	1.0	0.04	16.6667	84.6	65 - 114		
alpha-Chlordane [2C]	12.6930	1.0	0.04	16.6667	76.2	65 - 114		
beta-BHC	13.6523	1.0	0.04	16.6667	81.9	64 - 108		
beta-BHC [2C]	13.0543	1.0	0.04	16.6667	78.3	64 - 108		
delta-BHC	14.2912	1.0	0.04	16.6667	85.7	44 - 110		
delta-BHC [2C]	13.7998	1.0	0.04	16.6667	82.8	44 - 110		
Dieldrin	13.4733	2.0	0.05	16.6667	80.8	63 - 107		
Dieldrin [2C]	12.6487	2.0	0.05	16.6667	75.9	63 - 107		
Endosulfan I	12.7533	1.0	0.04	16.6667	76.5	63 - 103		
Endosulfan I [2C]	12.9267	1.0	0.04	16.6667	77.6	63 - 103		
Endosulfan II	15.3998	2.0	0.10	16.6667	92.4	62 - 122		
Endosulfan II [2C]	13.8145	2.0	0.10	16.6667	82.9	62 - 122		
Endosulfan sulfate	15.1090	2.0	0.06	16.6667	90.7	53 - 127		
Endosulfan Sulfate [2C]	13.0833	2.0	0.06	16.6667	78.5	53 - 127		
Endrin	14.3820	2.0	0.08	16.6667	86.3	66 - 120		
Endrin [2C]	13.5293	2.0	0.08	16.6667	81.2	66 - 120		
Endrin aldehyde	16.3957	2.0	0.09	16.6667	98.4	67 - 121		
Endrin aldehyde [2C]	15.0532	2.0	0.09	16.6667	90.3	67 - 121		
Endrin ketone	14.6947	2.0	0.07	16.6667	88.2	41 - 146		
Endrin ketone [2C]	13.6638	2.0	0.07	16.6667	82.0	41 - 146		
gamma-BHC	13.6658	1.0	0.05	16.6667	82.0	67 - 109		
gamma-BHC [2C]	13.1433	1.0	0.05	16.6667	78.9	67 - 109		
gamma-Chlordane	13.5902	1.0	0.04	16.6667	81.5	63 - 110		
gamma-Chlordane [2C]	12.4672	1.0	0.04	16.6667	74.8	63 - 110		
Heptachlor	13.8202	1.0	0.07	16.6667	82.9	67 - 120		
Heptachlor [2C]	13.8150	1.0	0.07	16.6667	82.9	67 - 120		
Heptachlor epoxide	12.9867	1.0	0.04	16.6667	77.9	62 - 108		
Heptachlor epoxide [2C]	12.6815	1.0	0.04	16.6667	76.1	62 - 108		
Methoxychlor	13.3810	5.0	0.10	16.6667	80.3	47 - 152		



Certificate of Analysis

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Report To : Brett Conner

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

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD Limit	Notes
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Batch B8G0302 - GCSEMI_PCB/PEST_S (continued)

LCS (B8G0302-BS1) - Continued

Prepared: 7/12/2018 Analyzed: 7/13/2018

Methoxychlor [2C]	14.3832	5.0	0.10	16.6667	86.3	47 - 152
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Surrogate: Decachlorobiphenyl	14.63			16.6667	87.8	15 - 100
Surrogate: Decachlorobiphenyl [2C]	12.48			16.6667	74.9	15 - 100
Surrogate: Tetrachloro-m-xylene	13.70			16.6667	82.2	16 - 100
Surrogate: Tetrachloro-m-xylene [2C]	14.65			16.6667	87.9	16 - 100

Matrix Spike (B8G0302-MS1)

Source: 1802449-BC

Prepared: 7/12/2018 Analyzed: 7/13/2018

4,4'-DDD	12.0017	2.0	0.10	16.6667	ND	72.0	0 - 127	
4,4'-DDD [2C]	12.4352	2.0	0.10	16.6667	ND	74.6	0 - 127	
4,4'-DDE	12.0408	2.0	0.07	16.6667	ND	72.2	0 - 125	
4,4'-DDE [2C]	11.0555	2.0	0.07	16.6667	ND	66.3	0 - 125	
4,4'-DDT	14.0835	2.0	0.14	16.6667	ND	84.5	0 - 103	
4,4'-DDT [2C]	12.4328	2.0	0.14	16.6667	ND	74.6	0 - 103	
Aldrin	36.0265	1.0	0.08	16.6667	ND	216	6 - 104	M2
Aldrin [2C]	11.6398	1.0	0.08	16.6667	ND	69.8	6 - 104	
alpha-BHC	10.6050	1.0	0.04	16.6667	ND	63.6	0 - 114	
alpha-BHC [2C]	12.0148	1.0	0.04	16.6667	ND	72.1	0 - 114	
alpha-Chlordane	12.9943	1.0	0.04	16.6667	ND	78.0	0 - 110	
alpha-Chlordane [2C]	13.3693	1.0	0.04	16.6667	ND	80.2	0 - 110	
beta-BHC	12.4537	1.0	0.04	16.6667	ND	74.7	0 - 129	
beta-BHC [2C]	13.3010	1.0	0.04	16.6667	ND	79.8	0 - 129	
delta-BHC	24.5620	1.0	0.04	16.6667	ND	147	18 - 99	M2
delta-BHC [2C]	20.7968	1.0	0.04	16.6667	ND	125	18 - 99	M2
Dieldrin	11.5703	2.0	0.05	16.6667	ND	69.4	0 - 124	
Dieldrin [2C]	11.0655	2.0	0.05	16.6667	ND	66.4	0 - 124	
Endosulfan I	11.0493	1.0	0.04	16.6667	ND	66.3	0 - 106	
Endosulfan I [2C]	13.6257	1.0	0.04	16.6667	ND	81.8	0 - 106	
Endosulfan II	12.1527	2.0	0.10	16.6667	ND	72.9	20 - 130	
Endosulfan II [2C]	11.4798	2.0	0.10	16.6667	ND	68.9	20 - 130	
Endosulfan sulfate	12.9193	2.0	0.06	16.6667	ND	77.5	24 - 119	
Endosulfan Sulfate [2C]	13.0878	2.0	0.06	16.6667	ND	78.5	24 - 119	
Endrin	12.4800	2.0	0.08	16.6667	ND	74.9	0 - 135	
Endrin [2C]	12.8188	2.0	0.08	16.6667	ND	76.9	0 - 135	
Endrin aldehyde	14.2682	2.0	0.09	16.6667	ND	85.6	19 - 132	
Endrin aldehyde [2C]	10.5635	2.0	0.09	16.6667	ND	63.4	19 - 132	
Endrin ketone	14.3795	2.0	0.07	16.6667	ND	86.3	7 - 141	
Endrin ketone [2C]	13.2440	2.0	0.07	16.6667	ND	79.5	7 - 141	
gamma-BHC	12.1030	1.0	0.05	16.6667	ND	72.6	0 - 117	
gamma-BHC [2C]	11.5097	1.0	0.05	16.6667	ND	69.1	0 - 117	
gamma-Chlordane	193.421	1.0	0.04	16.6667	ND	1160	0 - 156	M2
gamma-Chlordane [2C]	12.5385	1.0	0.04	16.6667	ND	75.2	0 - 156	
Heptachlor	11.9182	1.0	0.07	16.6667	ND	71.5	3 - 112	
Heptachlor [2C]	11.9327	1.0	0.07	16.6667	ND	71.6	3 - 112	
Heptachlor epoxide	11.8862	1.0	0.04	16.6667	ND	71.3	0 - 118	
Heptachlor epoxide [2C]	10.3597	1.0	0.04	16.6667	ND	62.2	0 - 118	



Certificate of Analysis

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

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B8G0302 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B8G0302-MS1) - Continued

Source: 1802449-BC

Prepared: 7/12/2018 Analyzed: 7/13/2018

Methoxychlor	15.7892	5.0	0.10	16.6667	ND	94.7	0 - 161		
Methoxychlor [2C]	16.4537	5.0	0.10	16.6667	ND	98.7	0 - 161		

Surrogate: Decachlorobiphenyl	14.99			16.6667		89.9	15 - 100		
Surrogate: Decachlorobiphenyl [2C]	9.861			16.6667		59.2	15 - 100		
Surrogate: Tetrachloro-m-xylene	10.09			16.6667		60.6	16 - 100		
Surrogate: Tetrachloro-m-xylene [2C]	10.35			16.6667		62.1	16 - 100		

Matrix Spike Dup (B8G0302-MSD1)

Source: 1802449-BC

Prepared: 7/12/2018 Analyzed: 7/13/2018

4,4'-DDD	11.1132	2.0	0.10	16.6667	ND	66.7	0 - 127	7.69	20	
4,4'-DDD [2C]	12.2018	2.0	0.10	16.6667	ND	73.2	0 - 127	1.89	20	
4,4'-DDE	11.4678	2.0	0.07	16.6667	ND	68.8	0 - 125	4.87	20	
4,4'-DDE [2C]	9.71983	2.0	0.07	16.6667	ND	58.3	0 - 125	12.9	20	
4,4'-DDT	10.1882	2.0	0.14	16.6667	ND	61.1	0 - 103	32.1	20	R3
4,4'-DDT [2C]	6.77400	2.0	0.14	16.6667	ND	40.6	0 - 103	58.9	20	R3
Aldrin	35.8518	1.0	0.08	16.6667	ND	215	6 - 104	0.486	20	M2
Aldrin [2C]	9.91967	1.0	0.08	16.6667	ND	59.5	6 - 104	16.0	20	
alpha-BHC	10.6952	1.0	0.04	16.6667	ND	64.2	0 - 114	0.847	20	
alpha-BHC [2C]	11.0232	1.0	0.04	16.6667	ND	66.1	0 - 114	8.61	20	
alpha-Chlordane	12.4035	1.0	0.04	16.6667	ND	74.4	0 - 110	4.65	20	
alpha-Chlordane [2C]	11.6863	1.0	0.04	16.6667	ND	70.1	0 - 110	13.4	20	
beta-BHC	12.0038	1.0	0.04	16.6667	ND	72.0	0 - 129	3.68	20	
beta-BHC [2C]	12.6817	1.0	0.04	16.6667	ND	76.1	0 - 129	4.77	20	
delta-BHC	24.9947	1.0	0.04	16.6667	ND	150	18 - 99	1.75	20	M2
delta-BHC [2C]	18.6842	1.0	0.04	16.6667	ND	112	18 - 99	10.7	20	M2
Dieldrin	11.2693	2.0	0.05	16.6667	ND	67.6	0 - 124	2.64	20	
Dieldrin [2C]	9.52517	2.0	0.05	16.6667	ND	57.2	0 - 124	15.0	20	
Endosulfan I	10.6088	1.0	0.04	16.6667	ND	63.7	0 - 106	4.07	20	
Endosulfan I [2C]	11.8060	1.0	0.04	16.6667	ND	70.8	0 - 106	14.3	20	
Endosulfan II	11.4068	2.0	0.10	16.6667	ND	68.4	20 - 130	6.33	20	
Endosulfan II [2C]	9.90917	2.0	0.10	16.6667	ND	59.5	20 - 130	14.7	20	
Endosulfan sulfate	12.2737	2.0	0.06	16.6667	ND	73.6	24 - 119	5.13	20	
Endosulfan Sulfate [2C]	11.5567	2.0	0.06	16.6667	ND	69.3	24 - 119	12.4	20	
Endrin	10.7997	2.0	0.08	16.6667	ND	64.8	0 - 135	14.4	20	
Endrin [2C]	10.7705	2.0	0.08	16.6667	ND	64.6	0 - 135	17.4	20	
Endrin aldehyde	12.7498	2.0	0.09	16.6667	ND	76.5	19 - 132	11.2	20	
Endrin aldehyde [2C]	9.85950	2.0	0.09	16.6667	ND	59.2	19 - 132	6.89	20	
Endrin ketone	13.0935	2.0	0.07	16.6667	ND	78.6	7 - 141	9.36	20	
Endrin ketone [2C]	12.1877	2.0	0.07	16.6667	ND	73.1	7 - 141	8.31	20	
gamma-BHC	11.6533	1.0	0.05	16.6667	ND	69.9	0 - 117	3.79	20	
gamma-BHC [2C]	10.4915	1.0	0.05	16.6667	ND	62.9	0 - 117	9.26	20	
gamma-Chlordane	206.711	1.0	0.04	16.6667	ND	1240	0 - 156	6.64	20	M2
gamma-Chlordane [2C]	10.9570	1.0	0.04	16.6667	ND	65.7	0 - 156	13.5	20	
Heptachlor	11.3007	1.0	0.07	16.6667	ND	67.8	3 - 112	5.32	20	
Heptachlor [2C]	10.2730	1.0	0.07	16.6667	ND	61.6	3 - 112	14.9	20	
Heptachlor epoxide	10.6928	1.0	0.04	16.6667	ND	64.2	0 - 118	10.6	20	



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

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 B8G0302 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B8G0302-MSD1) - Continued

Source: 1802449-BC

Prepared: 7/12/2018 Analyzed: 7/13/2018

Heptachlor epoxide [2C]	9.01250	1.0	0.04	16.6667	ND	54.1	0 - 118	13.9	20	
Methoxychlor	11.6888	5.0	0.10	16.6667	ND	70.1	0 - 161	29.8	20	R3
Methoxychlor [2C]	11.1908	5.0	0.10	16.6667	ND	67.1	0 - 161	38.1	20	R3

Surrogate: Decachlorobiphenyl	10.91			16.6667		65.5	15 - 100			
Surrogate: Decachlorobiphenyl [2C]	7.926			16.6667		47.6	15 - 100			
Surrogate: Tetrachloro-m-xylene	9.734			16.6667		58.4	16 - 100			
Surrogate: Tetrachloro-m-xylene [2C]	9.302			16.6667		55.8	16 - 100			



Certificate of Analysis

Geocon, Inc.

6960 Flanders Drive

San Diego , CA 92121

Project Number : Carlton Oaks, G2290-62-02

Report To : Brett Conner

Reported : 07/16/2018

Notes and Definitions

R3	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
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

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

Page 1 of 11

Instruction: Complete all shaded areas.

For Laboratory Use Only		ATLCO Ver: 20130715		
Method of Transport	Sample Conditions Upon Receipt			
	Condition	Y	N	Condition
☐ Client ☒ ATL	1. CHILLED	☒	☐	5. # OF SAMPLES MATCH COC ☒
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED ☐
☐ GSO	3. CONTAINER INTACT	☒	☐	7. COOLER TEMP, deg C: <u>5.9</u>
☐ Other: _____	4. SEALED	☐	☒	

Company: Geocon, Inc.		Address: 6960 Flanders Drive		Tel: (858) 558-6700	
City: San Diego		State: CA		Zip: 92121	
Fax: (858) 558-8437		SEND INVOICE TO: ☒ same as SEND REPORT TO			
Attn: <u>Brett Conner</u>		Email: <u>conner@geoconinc.com</u>			
Company: Geocon, Inc.		Address:			
Address: 6960 Flanders Drive		City:			
City: San Diego		State: CA		Zip: 92121	

Project Name: <u>Carlton Oaks</u>		Quote No:	Special Instructions/Comments: <u>Make 4-Part Composite Samples and Run For OCPs.</u>	Encircle or Write Requested Analysis										Encircle Sample Matrix				Container		QA/QC			
Project No.: <u>62290-62-02</u>		PO #:		8260 / 624 (Volatiles)	80158(GRO)	80158(DRO)	8270(Semi-volatiles)	8081(Organochlorine Pesticides)	8082(PCBs)	6010 / 7000 (Title 22 Metals)	TO-15	6010 Arsenic	SOIL / SEDIMENT / SLUDGE	SOLIDS / WIPE / FILTER	WATER - DRINKING / GROUND	WATER - STORM / WASTE	AQUEOUS / LAYERED - OIL	TAT	#	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pin; 5=Jar; 6=Bed; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=Zn (Ac2); 6=NaOH; 7=NA2S2O3	REMARKS
ITEM	Lab No.	Sample ID / Location	Date	Time																			
1	1802449-01	SS-1	7/5/18	900																			
2	-02	SS-2		904																			
3	-03	SS-3		907																			
4	-04	SS-4		910							X												
5	-05	SS-5		913																			
6	-06	SS-6		915																			
7	-07	SS-7		917																			
8	-08	SS-8		920							X												
9	-09	SS-9		925																			
10	-10	SS-10		930																			

- 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/STLC samples: add 2 days to analysis TAT for extraction on procedure.
- Unanalyzed samples will incur a disposal fee of \$7 per sample.

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

Brett Conner [Signature]
Submitter Print Name Signature

Relinquished by: (Signature and Printed Name) <u>Mitchell Wayne</u>	Date: <u>7/6/18</u> Time: <u>157</u>	Received by: (Signature and Printed Name) <u>[Signature]</u>	Date: <u>7/6/18</u> Time: <u>157</u>
Relinquished by: (Signature and Printed Name) <u>[Signature]</u>	Date: <u>7/6/18</u> Time: <u>1650</u>	Received by: (Signature and Printed Name) <u>[Signature]</u>	Date: <u>7/6/18</u> Time: <u>1650</u>
Relinquished by: (Signature and Printed Name) _____	Date: _____ Time: _____	Received by: (Signature and Printed Name) _____	Date: _____ Time: _____

CUSTOMER

PROJECT SAMPLES

SW

Page 50 of 60

CHAIN OF CUSTODY RECORD

Page 2 of 11

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

Instruction: Complete all shaded areas.

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

Company: Geocon, Inc.		Address: 6960 Flanders Drive		Tel: (858) 558-6400	
		City: San Diego		State: CA Zip: 92121 Fax: (858) 558-8437	
SEND REPORT TO:			SEND INVOICE TO:		
Attn: Brett Conner Email: conner@geocon-inc.com			Attn: same as SEND REPORT TO Email:		
Company: Geocon, Inc.			Company:		
Address: 6960 Flanders Drive			Address:		
City: San Diego State: CA Zip: 92121			City: State: Zip:		

Project Name: Carlton Oaks		Quote No:	Special Instructions/Comments: Make 4-part composite samples and run for OCPs.		Encircle or Write Requested Analysis										Encircle Sample Matrix				Container		QA/QC			
Project No.: 62290-62-02		PO #:			8260 / 624 (Volatiles) 8015B (GRO) 8015B (DRO) 8270 (Semi-volatiles) 8081 (Organochlorine Pesticides) 8082 (PCBs) 6010 / 7000 (Title 22 Metals) TO-15 6010 Arsenic										SEDIMENT / SLUDGE SOLIDS / WIPE / FILTER WATER - DRINKING / GROUND WATER - STORM / WASTE AQUEOUS / LAYERED - OIL				TAT		# Type: 1=Tube; 2=VOA; 3=Liter; 4=Pin; 5=Jar; 6=Tedlar; 7=Canister Material: 1=Glass; 2=Plastic; 3=Metal Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=Zn (Ac); 6=NaOH; 7=NA2S2O3		REMARKS Composite for OCPs	
Sampler: B. Conner		REMARKS																						
ITEM	Lab No.	Sample ID / Location	Date	Time																				
1	1802449-11	SS-11	7/5/18	933																				
2	-12	SS-12		936																				
3	-13	SS-13		940																				
4	-14	SS-14		945																				
5	-15	SS-15		948																				
6	-16	SS-16		952																				
7	-17	SS-17		955																				
8	-18	SS-18		1000																				
9	-19	SS-19		1003																				
10	-20	SS-20		1007																				

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- Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; \$20/ sample/week if extended storage is requested.
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- Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction on procedure.
- Unanalyzed samples will incur a disposal fee of \$7 per sample.

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
Submitter Print Name

[Signature]
Signature

Relinquished by: (Signature and Printed Name) Mitchell Wagner	Date: 7/6/18 Time: 1157	Received by: (Signature and Printed Name) [Signature]	Date: 7/6/18 Time: 1157
Relinquished by: (Signature and Printed Name) [Signature]	Date: 7/6/18 Time: 1650	Received by: (Signature and Printed Name) [Signature]	Date: 7/6/18 Time: 1650
Relinquished by: (Signature and Printed Name) [Signature]	Date: Time:	Received by: (Signature and Printed Name) [Signature]	Date: Time:

CUSTOMER

PROJECT SAMPLES

SW

CHAIN OF CUSTODY RECORD

Page 4 of 11

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

Instruction: Complete all shaded areas.

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

Company: Geocon, Inc.		Address: 6960 Flanders Drive		Tel: (858) 558-6100	
		City: San Diego		State: CA Zip: 92121 Fax: (858) 558-8437	
SEND REPORT TO:			SEND INVOICE TO:		
Attn: Brett Conner Email: Conner@geoconinc.com			Attn: same as SEND REPORT TO Email:		
Company: Geocon, Inc.			Company:		
Address: 6960 Flanders Drive			Address:		
City: San Diego		State: CA	Zip: 92121	City: State: Zip:	

Project Name: Carlton Oaks		Quote No:	Special Instructions/Comments: Make 4-part composite sample and run for OCPs.		Encircle or Write Requested Analysis										Encircle Sample Matrix				Container		QA/QC			
Project No.: GZZ90-62-02		PO #:			8260 / 624 (Volatiles)	8015B (GRO)	8015B (DRO)	8270 (Semi-volatiles)	8081 (Organochlorine Pesticides)	8082 (PCBs)	6010 / 7000 (Title 22 Metals)	TO-15	6010 - Arsenic	SOIL / SEDIMENT / SLUDGE	SOLIDS / WIPE / FILTER	WATER - DRINKING / GROUND	WATER - STORM / WASTE	AQUEOUS / LAYERED - OIL	TAT	#	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pin; 5=Jar; 6=Tedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=Zn (Ac2); 6=NaOH; 7=NA2S2O3	REMARKS
ITEM	Lab No.	Sample Description		Date	Time																			
1	1802449-31	SS-31		7/5/18	1045														5	1	5	1	4	Composite
2	-32	SS-32			1051																			
3	-33	SS-33			1055																			Composite
4	-34	SS-34			1058																			
5	-35	SS-35			1102																			Composite
6	-36	SS-36			1105																			
7	-37	SS-37			1109																			Composite
8	-38	SS-38			1113																			
9	-39	SS-39			1117																			Composite
10	-40	SS-40			1120																			

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TAT = 1: 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
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- Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab - ask for quote.
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- samples will be disposed of after 14 calendar days after receipt of samples.
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- Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; \$20/ sample/week if extended storage is requested.
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- Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction on procedure.
- Unanalyzed samples will incur a disposal fee of \$7 per sample.

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 **[Signature]**
Submitter Print Name Signature

Relinquished by: (Signature and Printed Name) Mitchell Wagner	Date: 7/6/18 Time: 11:57	Received by: (Signature and Printed Name) [Signature]	Date: 7/6/18 Time: 11:57
Relinquished by: (Signature and Printed Name) [Signature]	Date: 7/6/18 Time: 11:50	Received by: (Signature and Printed Name) [Signature]	Date: 7/6/18 Time: 11:50
Relinquished by: (Signature and Printed Name) [Signature]	Date: 7/6/18 Time: 11:50	Received by: (Signature and Printed Name) [Signature]	Date: 7/6/18 Time: 11:50

CUSTOMER

PROJECT SAMPLES

SW

Page 53 of 60

Tel: (562) 989-4045 • Fax: (562) 989-4040

Page 5 of 11

Instruction: Complete all shaded areas.

		For Laboratory Use Only				ATLCOB Ver: 20130715	
Method of Transport		Sample Conditions Upon Receipt					
		Condition		Y	N	Condition	
☐ Client	☒ ATL	1. CHILLED	☒	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ FedEx	☐ OnTrac	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☐
☐ GSO		3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
☐ Other: _____		4. SEALED	☐	☐			

Company: Geocon, Inc.		Address: 6960 Flanders Drive		Tel: (858) 558-6100	
		City: San Diego		State: CA	Zip: 92121
				Fax: (858) 558-8437	
SEND REPORT TO:			SEND INVOICE TO:		
Attn: <i>Brett Conner</i>			Email: <i>conner@geoconinc.com</i>		
Company: Geocon, Inc.			Company:		
Address: 6960 Flanders Drive			Address:		
City: San Diego		State: CA	Zip: 92121	City:	
				State:	Zip:

Project Name:		Quote No:	Special Instructions/Comments:		Encircle or Write Requested Analysis										Encircle Sample Matrix				Container		QA/QC			
Project No.:		PO #:	Make 4-part composite Samples and run for OCPs.		8260 / 624 (Volatiles) 8015B(GRO) 8015B(DRO) 8270(Semi-volatiles) 8081(Organochlorine Pesticides) 8082(PCBs) 6010 / 7000(Title 22 Metals) TO-15 6010 Arsenic										SOIL / SEDIMENT / SLUDGE SOLIDS / WIPE / FILTER WATER - DRINKING / GROUND WATER - STORM / WASTE AQUEOUS / LAYERED - OIL				TAT	#	Type: 1-Tube, 2-VOA, 3-Liter, 4-Pint; 5-Liter, 6-Tedlar, 7 = Canister	Material: 1-Glass, 2-Plastic, 3-Metal	Preservative: 1-HCl; 2-HNO3; 3-H2SO4; 4 = 4C; 5=zn (As2; 6=NaOH; 7=Na2S2O3)	REMARKS
Sampler:																								
ITEM	Lab No.	Sample Description		Date	Time																			
		Sample ID / Location																						
1	1802449-41	SS-41	7/5/18	1127															5	1	5	1	4	Composite
2	-42	SS-42		1130																				
3	-43	SS-43		1133																				
4	-44	SS-44		1138																				Composite
5	-45	SS-45		1141																				
6	-46	SS-46		1145																				
7	-47	SS-47		1156																				Composite
8	-48	SS-48		1153																				
9	-49	SS-49		1157																				
10	-50	SS-50		1200																				etc.

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 
Submitter Print Name Signature

Relinquished by: (Signature and Printed Name) <i>Mitchell Wagner</i>	Date: <i>7/6/18</i>	Time: <i>1157</i>	Received by: (Signature and Printed Name) <i>[Signature]</i>	Date: <i>7/6/18</i>	Time: <i>1157</i>
Relinquished by: (Signature and Printed Name) <i>[Signature]</i>	Date: <i>7/6/18</i>	Time: <i>1850</i>	Received by: (Signature and Printed Name) <i>[Signature]</i>	Date: <i>7/6/18</i>	Time: <i>1850</i>
Relinquished by: (Signature and Printed Name) <i>[Signature]</i>	Date:	Time:	Received by: (Signature and Printed Name) <i>[Signature]</i>	Date:	Time:

CHAIN OF CUSTODY RECORD

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

Page 6 of 11

Instruction: Complete all shaded areas.

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

Company: Geocon, Inc.		Address: 6960 Flanders Drive		Tel: (858) 558-6100	
City: San Diego		State: CA		Zip: 92121	
Fax: (858) 558-8437		SEND INVOICE TO:		Email: same as SEND REPORT TO	
Attn: Brett Conner		Email: conner@geoconinc.com		Attn:	
Company: Geocon, Inc.		Address:		City:	
Address: 6960 Flanders Drive		State: CA		Zip: 92121	

Project Name: Carlton Oaks		Quote No:	Special Instructions/Comments: Make 4-part Composite		Encircle or Write Requested Analysis										Encircle Sample Matrix				Container		QA/QC			
Project No.: 62200-62-02		PO #:			8260 / 624 (Volatiles)	8015B (GRO)	8015B (DRO)	8270 (Semi-volatiles)	8081 (Organochlorine Pesticides)	8082 (PCBs)	6010 / 7000 (Title 22 Metals)	TO-15	6010-Arsenic	SOIL / SEDIMENT / SLUDGE	SOLIDS / WIPE / FILTER	WATER - DRINKING / GROUND	WATER - STORM / WASTE	AQUEOUS / LAYERED - OIL	TAT	#	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pin; 5=Lar; 6=Bedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=H2O2; 5=Zn; (Ac2; 6=NaOH; 7=Na2S2O3)	REMARKS
ITEM	Lab No.	Sample ID / Location	Date	Time																				
1	1802449-57	SS-51	7/5/18	1202															5	1	5	1	4	Composite Con 100% site
2	-52	SS-52		1205								X												
3	-53	SS-53		1210																				
4	-54	SS-54		1213																				
5	-55	SS-55		1216																				
6	-56	SS-56		1220								X												
7	-57	SS-57		1222																				
8	-58	SS-58		1225																				
9	-59	SS-59		1228																				
10	-60	SS-60		1230								X												

- 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/STLC samples: add 2 days to analysis TAT for extraction on procedure.
- Unanalyzed samples will incur a disposal fee of \$7 per sample.

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 [Signature]
Submitter Print Name Signature

Relinquished by: (Signature and Printed Name) <u>Mitchell Wagner</u>	Date: <u>7/6/18</u> Time: <u>1157</u>	Received by: (Signature and Printed Name) <u>[Signature]</u>	Date: <u>7/6/18</u> Time: <u>1157</u>
Relinquished by: (Signature and Printed Name) <u>[Signature]</u>	Date: <u>7/6/18</u> Time: <u>1650</u>	Received by: (Signature and Printed Name) <u>[Signature]</u>	Date: <u>7/6/18</u> Time: <u>1650</u>
Relinquished by: (Signature and Printed Name) <u>[Signature]</u>	Date: <u>7/6/18</u> Time: <u>1650</u>	Received by: (Signature and Printed Name) <u>[Signature]</u>	Date: <u>7/6/18</u> Time: <u>1650</u>

CUSTOMER

PROJECT SAMPLES

SM

Page 55 of 60

CHAIN OF CUSTODY RECORD

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

Page 7 of 11

Instruction: Complete all shaded areas.

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

Company: Geocon, Inc.		Address: 6960 Flanders Drive		Tel: (858) 558-6100	
		City: San Diego		State: CA Zip: 92121 Fax: (858) 558-8437	
SEND REPORT TO:			SEND INVOICE TO:		
Attn: Brett Conner Email: conner@geoconinc.com			Attn: same as SEND REPORT TO Email: same as SEND REPORT TO		
Company: Geocon, Inc.			Company:		
Address: 6960 Flanders Drive			Address:		
City: San Diego State: CA Zip: 92121			City: State: Zip:		

Project Name: Carlton Oaks		Quote No:	Special Instructions/Comments: Make 4-part composite samples and run for OCPS		Encircle or Write Requested Analysis										Encircle Sample Matrix				Container		QA/QC				
Project No.: 62290-62-02		PO #:			8260 / 624 (Volatiles)										SOLIDS / SEDIMENT / SLUDGE				TAT		Type: 1=Tube; 2=VOA; 3=Liter; 4=Pin; 5=Jar; 6=Needle; 7=Canister		Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=Zn (Ac); 6=NaOH; 7=MASS203		
Sampler: B. Conner						8015B (GRO)										WATER - DRINKING / GROUND									
						8015B (DRO)										WATER - STORM / WASTE									
						8270 (Semi-volatiles)										AQUEOUS / LAYERED - OIL									
						8081 (Organochlorine Pesticides)																			
						8082 (PCBs)																			
						6010 / 7000 (Title 22 Metals)																			
						TO-15																			
						6010 - Arsenic																			
ITEM	Lab No.	Sample Description		Date	Time																				
1	1802449-61	SS-61		7/5/18	1233																				
2	-62	SS-62			1236																				
3	-63	SS-63			1240																				
4	-64	SS-64			1242																				
5	-65	SS-65			1245																				
6	-66	SS-66			1247																				
7	-67	SS-67			1250																				
8	-68	SS-68			1252																				
9	-69	SS-69			1256																				
10	-70	SS-70			1300																				

- 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 = 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.
- Urid 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/STLC samples: add 2 days to analysis TAT for extraction on procedure.
- Unanalyzed samples will incur a disposal fee of \$7 per sample.

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

Submitter Print Name

[Signature]

Signature

Relinquished by: (Signature and Printed Name) **Mitchell Wagner**

Date: **7/6/18** Time: **1157**

Received by: (Signature and Printed Name) **[Signature]**

Date: **7/6/18** Time: **1157**

Relinquished by: (Signature and Printed Name) **[Signature]**

Date: **7/6/18** Time: **1650**

Received by: (Signature and Printed Name) **[Signature]**

Date: **7/6/18** Time: **1650**

Relinquished by: (Signature and Printed Name) **[Signature]**

Date: **7/6/18** Time: **1650**

Received by: (Signature and Printed Name) **[Signature]**

Date: **7/6/18** Time: **1650**

CUSTOMER

PROJECT SAMPLES

SW

Page 56 of 60

CHAIN OF CUSTODY RECORD

Page 6 of 11

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

Instruction: Complete all shaded areas.

For Laboratory Use Only		ATLCOC Ver: 20130715					
Method of Transport	Sample Conditions Upon Receipt						
	Condition	Y	N	Condition	Y	N	
☐ Client	☒ ATL	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ FedEx	☐ OnTrac	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☐
☐ GSO		3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
☐ Other:		4. SEALED	☐	☐			

Company: Geocon, Inc.		Address: 6960 Flanders Drive		Tel: (858) 558-6100	
City: San Diego		State: CA		Zip: 92121	
Fax: (858) 558-8437					
SEND REPORT TO:			SEND INVOICE TO:		
Attn: <u>Brett Conner</u>			Email: <u>conner@geoconinc.com</u>		
Company: Geocon, Inc.			Address:		
Address: 6960 Flanders Drive			City:		
City: San Diego			State: CA		
Zip: 92121			Zip:		

Project Name: <u>Carlton Oaks</u>		Quote No:	Special Instructions/Comments: <u>Make 4-part composite samples and run for OCPs.</u>	
Project No.: <u>62290-62-02</u>		PO #:		
Sampler: <u>B. Conner</u>				
ITEM	Lab No.	Sample Description	Date	Time
1	1802449-71	SS-71	7/5/18	1303
2	-72	SS-72		1306
3	-73	SS-73		1310
4	-74	SS-74		1312
5	-75	SS-75		1315
6	-76	SS-76		1318
7	-77	SS-77		1320
8	-78	SS-78		1325
9	-79	SS-79		1327
10	-80	SS-80		1330

- 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/reformat report; \$35 per reprocessed EDD.
- Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction on procedure.
- Unanalyzed samples will incur a disposal fee of \$7 per sample.

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 [Signature]
Submitter Print Name Signature

Relinquished by: (Signature and Printed Name)	Date: <u>7/6/18</u>	Time: <u>1157</u>	Received by: (Signature and Printed Name)	Date: <u>7/6/18</u>	Time: <u>1157</u>
Relinquished by: (Signature and Printed Name)	Date: <u>7/6/18</u>	Time: <u>1650</u>	Received by: (Signature and Printed Name)	Date: <u>7/6/18</u>	Time: <u>1650</u>
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

CUSTOMER

PROJECT SAMPLES

SW

Page 57 of 60

CHAIN OF CUSTODY RECORD

Page 9 of 14

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

Instruction: Complete all shaded areas.

For Laboratory Use Only		ATLCOG Ver: 20130715				
Method of Transport	Condition	Sample Conditions Upon Receipt		Condition		
		Y	N	Y	N	
☐ Client	☒ ATL	1. CHILLED	☒	☐	5. # OF SAMPLES MATCH COC	☐
☐ FedEx	☐ OnTrac	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐
☐ GSO		3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:	
☐ Other:		4. SEALED	☐	☐		

Company: Geocon, Inc.		Address: 6960 Flanders Drive		Tel: (858) 558-6100	
		City: San Diego		State: CA Zip: 92121 Fax: (858) 558-8437	
SEND REPORT TO:			SEND INVOICE TO:		
Attn: Brett Conner Email: bconner@geoconinc.com			Attn: Email: same as SEND REPORT TO		
Company: Geocon, Inc.			Company:		
Address: 6960 Flanders Drive			Address:		
City: San Diego		State: CA	Zip: 92121	City: State: Zip:	

Project Name: Carlton Oaks		Quote No:	Special Instructions/Comments: Make 4-part composite samples and run for OCPs.		Encircle or Write Requested Analysis										Encircle Sample Matrix				Container		QA/QC			
Project No.: 62290-62-02		PO #:			8260 / 624 (Volatiles) 80159 (GRO) 80159 (DRO) 8270 (Semi-volatiles) 8081 (Organochlorine Pesticides) 8082 (PCBs) 6010 / 7000 (Title 22 Metals) TO-15 6010-Ambio										SOIL / SEDIMENT / SLUDGE SOLIDS / WIPE / FILTER WATER - DRINKING / GROUND WATER - STORM / WASTE AQUEOUS / LAYERED - OIL				TAT		Type: 1=Tube; 2=VOA; 3=Liter; 4=Pin; 5=Jar; 6=Bed; 7=Canister Material: 1=Glass; 2=Plastic; 3=Metal Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=Zn (Ac2); 6=NaOH; 7=NA2S2O3		REMARKS	
SAMPLER: B. Conner																								
ITEM	Lab No.	Sample ID / Location	Date	Time																				
1	1802449-81	SS-81	7/5/18	1333																				
2	-82	SS-82		1336																				
3	-83	SS-83		1340																				
4	-84	SS-84		1342																				
5	-85	SS-85		1345																				
6	-86	SS-86		1348																				
7	-87	SS-87		1352																				
8	-88	SS-88		1355																				
9	-89	SS-89		1357																				
10	-90	SS-90		1400																				

- Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
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 - 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.
- Uliquid 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/STLC samples: add 2 days to analysis TAT for extraction on procedure.
- Unanalyzed samples will incur a disposal fee of \$7 per sample.

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
Submitter Print Name Signature

Relinquished by: (Signature and Printed Name)	Date: 7/6/18	Time: 1:57	Received by: (Signature and Printed Name)	Date: 7/6/18	Time: 1:58
Relinquished by: (Signature and Printed Name)	Date: 7/6/18	Time: 1:50	Received by: (Signature and Printed Name)	Date: 7/6/18	Time: 1:50
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

CUSTOMER

PROJECT SAMPLES

SW

Page 58 of 60

CHAIN OF CUSTODY RECORD

Page 10 of 11

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

Instruction: Complete all shaded areas.

For Laboratory Use Only		ATLCOC Ver: 20130715	
Method of Transport	Sample Conditions Upon Receipt		
	Condition	Y	N
	1. CHILLED	☐	☐
	2. HEADSPACE (VOA)	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:
4. SEALED	☐	☐	
☐ Client ☐ FedEx ☐ GSO ☐ Other:		☒ ATL ☐ OnTrac	

Company: Geocon, Inc.		Address: 6960 Flanders Drive		Tel: (858) 558-6100	
City: San Diego		State: CA		Zip: 92121	
Fax: (858) 558-8437		SEND REPORT TO:		SEND INVOICE TO:	
Attn: Brett Connor		Email: ccorner@geoconinc.com		Attn: Same as SEND REPORT TO	
Company: Geocon, Inc.		Address:		City:	
Address: 6960 Flanders Drive		State: CA		Zip: 92121	
City: San Diego		State: CA		Zip: 92121	

Project Name: Carlton Oaks		Quote No:	Special Instructions/Comments: Make 4-part composite samples and run for OC's.	
Project No.: 62290-62-02		PO #:		
Sampler: B. Connor				
Encircle or Write Requested Analysis				
Encircle Sample Matrix				
Container				
QA/QC				
REMARKS				
ITEM	Lab No.	Sample ID / Location	Date	Time
1	1802449-91	SS-91	7/5/18	1403
2	-92	SS-92		1406
3	-93	SS-93		1410
4	-94	SS-94		1412
5	-95	SS-95		1415
6	-96	SS-96		1418
7	-97	SS-97		1422
8	-98	SS-98		1425
9	-99	SS-99		1427
10	-AA	SS-100		1430

- 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.
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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)
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- samples will be disposed of after 14 calendar days after receipt of samples.
- Electronic records maintained for five (5) years from report date.
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- Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; \$20/ sample/week if extended storage is requested.
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Mitchell Wagner **[Signature]**
Submitter Print Name Signature

Relinquished by: (Signature and Printed Name)	Date: 7/6/18	Time: 11:57	Received by: (Signature and Printed Name)	Date: 7/6/18	Time: 11:57
Relinquished by: (Signature and Printed Name)	Date: 7/6/18	Time: 16:50	Received by: (Signature and Printed Name)	Date: 7/6/18	Time: 16:50
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

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PROJECT SAMPLES

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CHAIN OF CUSTODY RECORD

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

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Instruction: Complete all shaded areas.

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

Company: Geocon, Inc.		Address: 6960 Flanders Drive		Tel: (858) 558-6100	
City: San Diego		State: CA		Zip: 92121	
SEND REPORT TO:		SEND INVOICE TO:		Email: Same as SEND REPORT TO	
Attn: Brett Conner		Attn:		Email:	
Company: Geocon, Inc.		Company:			
Address: 6960 Flanders Drive		Address:			
City: San Diego		City:		State: Zip:	

Project Name: Carlton Oaks		Quote No:	Special Instructions/Comments: Make 4-part composite samples and run for OCPs.	Encircle or Write Requested Analysis										Encircle Sample Matrix				Container		QA/QC		
Project No.: G2290-62-02		PO #:		8260 / 624 (Volatiles)	8015B (GRO)	8015B (DRO)	8270 (Semi-volatiles)	8082 (PCBs)	6010 / 7000 (Title 22 Metals)	TO-15	Geocon Analysis	SOIL / SEDIMENT / SLUDGE	SOLIDS / WIPE / FILTER	WATER - DRINKING / GROUND	WATER - STORM / WASTE	AQUEOUS / LAYERED - OIL	TAT	#	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pin; 5=Jar; 6=Tedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=Zn; 6=NaOH; 7=Na2S2O3	REMARKS
1	1802449-AB	SS-101	7/5/18	1433														51	51	4		
2	-AC	SS-102		1435																		
3	-AD	SS-103		1438																		
4	-AE	SS-104		1441						X												
5	-AF	SS-105		1445																		
6	-AG	SS-106		1448																		
7	-AH	SS-107		1450																		
8	-AI	SS-108		1500						X												
9																						
10																						

- 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 (COB 5:00 PM)
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/STLC samples: add 2 days to analysis TAT for extraction on procedure.
- Unanalyzed samples will incur a disposal fee of \$7 per sample.

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 Wayne
Submitter Print Name

[Signature]
Signature

Relinquished by: (Signature and Printed Name) Mitchell Wayne	Date: 7/6/18	Time: 1:57	Received by: (Signature and Printed Name) [Signature]	Date: 7/6/18	Time: 1:57
Relinquished by: (Signature and Printed Name) [Signature]	Date: 7/6/18	Time: 1:50	Received by: (Signature and Printed Name) [Signature]	Date: 7/6/18	Time: 1:50
Relinquished by: (Signature and Printed Name) [Signature]	Date:	Time:	Received by: (Signature and Printed Name) [Signature]	Date:	Time:

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