



**ADDITIONAL CHEMICAL TESTING
FOR**

**TRACT 37439
APNs 466310026, AND 466310002
SE OF LEON RD AND HOLLAND RD
WINCHESTER, CA 92596**

For

Sun Holland, LLC
27127 Calle Arroyo, Suite 1909
San Juan Capistrano, CA 92675

September 11, 2018

Project Number 17H-0307-0



September 11, 2018

Project No. 17H-0307-0

Sun Holland, LLC
27127 Calle Arroyo, Suite 1909
San Juan Capistrano, CA 92675

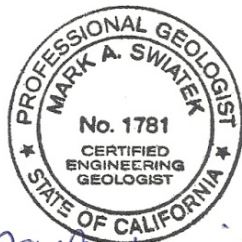
Attention: Mr. Bill Lo

Subject: Additional Chemical Testing
Tract 37439
APNs 466310026, and 466310002
Southeast of Leon Road and Holland Road
Winchester, California

Dear Mr. Lo;

Additional testing has been performed at the subject site in response to the request for more chemical testing from the County of Riverside Department of Environmental Health. This report provides the methods and results of the testing. If you have any questions regarding the information presented in this report, please do not hesitate to contact our office. We appreciate the opportunity to be of service to you.

Sincerely,
RMA GeoScience, Inc.



Mark A. Swiatek, C.E.G. 1781
Principal Geologist



Martha P. Sgriccia, C.E.G. 2494
Project Geologist

Distribution: (1) Addressee

Enclosures:
Laboratory Testing Data



1.0 INTRODUCTION

1.1 Background

A Phase I Environmental Site Assessment (ESA) that included the planned residential development, Tract 37439, and the planned flood control channel was completed on March 5, 2018. Evidence of past and current agricultural usage was identified early on in the course of our study. Therefore, as part of the scope of the Phase I ESA soil samples were collected from random locations in the area planned for the residential development and along the area of the planned flood control channel and submitted to a laboratory for testing for organochlorine pesticide (OCP) residue. A total of 23 soil samples were collected; 11 from the planned residential development, Tract 37439, and 12 from the planned flood control channel. Of the 23 samples collected 18 of them had detectable levels of pesticides. All of the detected pesticides exhibited levels well below California Human Health Screening Levels (CHHSLs).

The completed Phase I was submitted by you to County of Riverside Department of Environmental Health (CRDEH) for their review.

1.2 Response from CRDEH

Upon review of the aforementioned Phase I ESA the County requested additional chemical testing be completed at the subject parcels where the residential development, Tract 37439 is planned. CRDEH requested that composite soil samples be collected and analyzed in areas of the property where sampling did not occur and be analyzed for arsenic in addition to organochlorine pesticides. Additional testing was not required in the area of the proposed flood control channel.

1.3 Site Location and Description

The land proposed for the residential development consists of parcels 466310026 and 466310002 that have a combined acreage of approximately 160 acres. They are contiguous parcels that are bounded at east by Eucalyptus Road, at the north by Holland Road, at the south by Craig Avenue and at the west by Leon Road. The parcels are relatively flat, tilled agricultural land with a total relief of approximately 9 feet, sloping gently to the southwest.

1.4 Scope of Work

In order to complete this report the following scope of work was completed.

- a. Collection of discreet and composite soil samples at the site to test for the presence of organochlorine pesticides and arsenic.
- b. Samples were transported to American Scientific Laboratories for testing for arsenic via EPA 6010B and organochlorine pesticides via EPA 8081A
- b. Analysis of laboratory results and preparation of this report



2.0 FIELD INVESTIGATION

2.1 Sampling

On August 16, 2018 both discreet and composited soil samples were collected at the subject site. Samples were collected in areas not previously sampled in our original Phase I. A total of 11 composited soil samples were obtained at the site. Each composited sample was made up of a maximum of 4 discreet surface samples (compositing factor of 4:1) obtained from adjacent sampling locations. A total of 3 discreet soil samples were collected at the site. The approximate location where each sample was collected is shown on the Sample Location Map, Figure 1. The sample locations from our March 5, 2018 Phase I are also shown on Figure 1.

The samples were collected at depths of 2 to 8 inches below existing grade using hand tools. The hand tools were washed in a solution of phosphate-free detergent and water and double rinsed with clean water after each sample was collected. The soil samples were collected in four-ounce jars provided to us by American Scientific Laboratory. The samples were labeled and stored in a cooler packed with ice for transportation to American Scientific Laboratory, a state-certified environmental testing laboratory (ELAP #2200). A copy of the Chain of Custody Record is included with this report. All 14 samples were analyzed for OCPs using EPA Method 8081A and arsenic via EPA Method 6010B.

	TABLE 1	
Sample I.D.	Analytes	Test Results (mg/kg)
S-1	DDE	0.014
	Chlordane	0.00637
	Arsenic	0.482
S-2	DDE	0.0138
	Chlordane	0.00274
	Arsenic	0.477
S-3	DDE	0.01614
	Chlordane	0.00388
	Arsenic	0.358
S-4	DDE	0.0216
	Chlordane	0.00563
	Arsenic	0.343
S-5	DDE	0.0233
	Chlordane	0.00570
	Arsenic	0.422
S-6	DDE	0.0188
	Chlordane	0.00509
	Arsenic	0.549
S-7	DDE	0.0136
	Chlordane	0.00237
	Arsenic	0.485
S-8	DDE	0.0189
	Chlordane	0.00336



	Arsenic	0.450
S-9	DDE	0.00419
	Chlordane	0.00240
	Arsenic	0.378
S-10	DDE	0.0273
	Chlordane	0.00619
	Arsenic	0.359
S-11	DDE	0.0134
	Chlordane	0.00378
	Arsenic	0.286
S-12	DDE	0.0185
	Chlordane	0.00445
	Arsenic	0.360
S-13	DDE	0.0281
	Chlordane	0.00318
	Arsenic	0.378
S-14	DDE	0.0277
	Chlordane	0.00312
	Arsenic	0.288

TABLE 2		
Organic Chemical	CHHSL Levels (mg/kg) ¹ (Residential Land Use From Updated Table dated9/10)	Residential RSLs ²
DDE	1.60	2.00
DDT	1.60	1.90
DDD	2.30	2.30
Chlordane	0.43	1.7

CHHSLs¹ California Office of Environmental Health Hazard Assessment Soil-Screening Numbers, Residential scenario, 9-23-10.
Residential RSLs² USEPA Region 9 Regional Screening Levels for a Residential Setting, May 2018

2.2 Analytical Findings

Of the 14 samples collected all had detectable levels of OCPs. OCPs detected consisted of DDE and Chlordane. All of the detected OCPs are *below* California Human Health Screening Levels (CHHSLs) and USEPA Residential Screening Levels (USEPA RSLs) and is consistent with the findings in our Phase I ESA. The test results are summarized in Table 1. The CHHSLs and USEPA RSLs for the detected OCPs are shown in Table 2. The laboratory analytical results for the soil samples are included with this report.

Arsenic was detected in all 14 samples at levels ranging from 0.281 mg/kg to 0.549 mg/kg which fall below suggested DTSC Upper-Bound Arsenic Concentration (Chernoff, 2008) level of 12 mg/kg for Southern California for sites in Southern California.



3.0 CONCLUSION

3.1 Conclusion

Based on the past usage of the site for agriculture discreet soil samples were collected at the subject site as part of the Phase I ESA dated March, 2018 and submitted to a laboratory for testing for the presence of OCPs. Detected OCPs fell below CHHSLs for their respective chemical. Soils samples collected during this investigation were tested for OCPs and arsenic. OCPs, detected in all 14 samples fell below CHHSLs and USEPA RSLs for their respective chemical. Arsenic was detected in all 14 samples at low levels that are below the DTSC suggested level of 12 mg/kg for Southern California.

4.0 LIMITATIONS

This study and report have been prepared on behalf and for the exclusive use of Sun Holland, LLC, and solely for use in an environmental evaluation of the subject site. This report and its findings shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without prior written consent of RMA Geosciences, Inc. and Sun Holland, LLC. However, RMA Geosciences, Inc. acknowledges and agrees that the report may be conveyed to the Buyer, Seller and Lender associated with the financing of the property.



50.0 REFERENCES

California Office of Environmental Health Hazard Assessment (OEHHA), California Human Health Screening Levels (CHHSLs): <https://oehha.ca.gov/risk-assessment/sites>

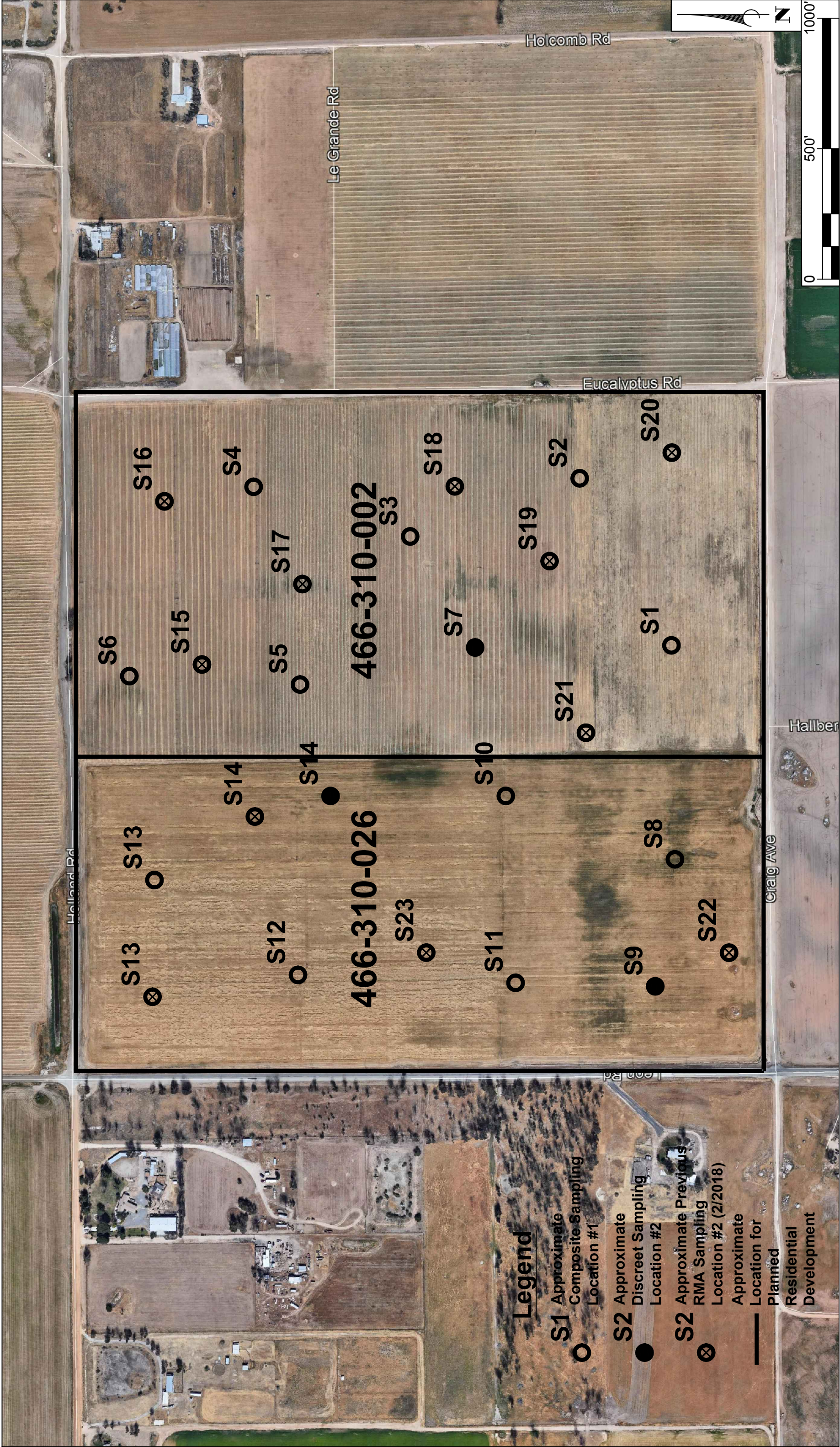
Chernoff, G., Bosan, W., Oudiz D., 2008, Determination of a Southern California Regional Background Arsenic Concentration in Soil, Department of Toxic Substance Control

RMA GeoScience, Inc., Phase I Environmental Site Assessment Tract 37439 and Channel Improvement APNs 466120019, 466120002, 466120022, 466310026, and 466310002, Southeast of Briggs Road and Holland Road, Winchester, California, Project No. 17H-0307-0, March 5, 2018.

US Environmental Protection Agency, Regional Screening Levels (RSLs) Generic Tables, Residential Soil, May 2018



FIGURES



Source: Google Earth Images

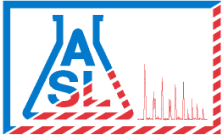


Sample Location Map
 Holland Road
 Menifee, CA

Figure 1
 RMA Job No: 17H-0307-0
 Report Date: 9/2018
 Prepared By: MRM



LABORATORY TESTING DATA



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

24 August 2018
Martha Sgriccia
RMA Geoscience
9854 Glenoaks Blvd.
Sun Valley, CA 91352

Work Order #: 1808172

Project Name: Canterwood

Project ID: 17H-0307-05

Site Address: Manifee, CA

Enclosed are the results of analyses for samples received by the laboratory on August 17, 2018. If you have any questions concerning this report, please feel free to contact us.

Wendy Lu
Laboratory Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **81001**

GLOBAL ID _____

EREPORT: PDF EDF EDD

ASL JOB# 1808172

C H A I N O F C U S T O D Y R E C O R D

Company: RMA Geoscience		Project Name: <u>Canterwood</u>		Report To: <u>Martha Sgriccia</u>		ANALYSIS REQUESTED	
Address: <u>9854 Glencrofts Blvd</u>		Site Address: <u>Canterwood</u>		Address: <u>9854 Glencrofts Blvd</u>			
Telephone: <u>800-362-4396</u>		City: <u>Menifee, CA</u>		Invoice To: <u>"</u>			
Fax: <u>888-248-8130</u>		Project ID: <u>186-17H-0307-5</u>		Address: <u>"</u>			
Special Instruction:		Project Manager: <u>Martha Sgriccia</u>		P.O.#:			
E-mail: <u>msgriccia@rماغوسcience.com</u>		Container(s)		Matrix		Preservation	
SAMPLE DESCRIPTION		Sample ID	Date	Time	#	Type	
LAB USE ONLY		Lab ID					
I		<u>1808172-01</u>	<u>8/16/18</u>	<u>8:00</u>	<u>1</u>	<u>4oz jar</u>	<u>soil</u>
T		<u>1808172-02</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>
E		<u>1808172-03</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>
M		<u>1808172-04</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>
		<u>1808172-05</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>
		<u>1808172-06</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>
		<u>1808172-07</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>
		<u>1808172-08</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>
		<u>1808172-09</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>
		<u>1808172-10</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>
Collected By: <u>MRM</u>		Date: <u>8/16/18</u>	Time: <u>3:00</u>	Relinquished By: <u>Martha Sgriccia</u>		Date: <u>8-17-18</u>	Time: <u>16:40</u>
Relinquished By:		Date:	Time:	Received For Laboratory: <u>Tarut Chun</u>		Date: <u>8-17-18</u>	Time: <u>16:40</u>
Received By:		Date:	Time:	Condition of Sample:		<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush	



AMERICAN SCIENTIFIC LABORATORIES, LLC
 Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **81000**

GLOBAL ID _____

EREPORT: PDF EDF EDD

ASL JOB# 1898172

C H A I N O F C U S T O D Y R E C O R D

Company: <u>R/M H Geo science</u>		Report To: <u>Mathna Sgriccia</u>		ANALYSIS REQUESTED																
Address: <u>9854 Geneaks Blvd</u>		Project Name: <u>Canterwood</u>		Address: <u>9854 Geneaks Blvd</u>																
Site Address: <u>Menifee</u>		Site Address: <u>Menifee</u>		Invoice To: _____																
Telephone: _____		Project ID: <u>17H-0307-5</u>		Address: _____																
Fax: _____		Project Manager: <u>Mathna Sgriccia</u>		P.O.#: _____																
Special Instruction: _____																				
E-mail: _____																				
LAB USE ONLY		SAMPLE DESCRIPTION				Matrix	Preservation													
I	T	Sample ID	Date	Time	#	Type														
		<u>S11</u>	<u>8/16/18</u>	<u>8:00</u>	<u>1</u>	<u>jar</u>	<u>Soil</u>	<u>None</u>												
		<u>S12</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>	<u>"</u>												
		<u>S13</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>	<u>"</u>												
		<u>S14</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>"</u>	<u>"</u>	<u>"</u>												
Collected By: <u>M/R/M</u>		Date	<u>8/16/18</u>	Time	<u>3:00</u>															
Relinquished By:		Date		Time																
Received By:		Date		Time																
Relinquished By: <u>Janet Chen</u>		Date	<u>8-17-18</u>	Time	<u>16:40</u>															
Received For Laboratory		Date	<u>8-17-18</u>	Time	<u>16:40</u>															
Condition of Sample:																				
		Relinquished By: <u>Janet Chen</u> Date <u>8-17-18</u> Time <u>16:40</u> TAT <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush																		



Job# 1808172

ASL Sample Receipt Form

Client: RMA Geoscience

Date: 8-17-18

Sample Information:

Temperature: 6.0 °C

Blank Sample

Custody Seal:

Yes No Not Available

Received Within Holding Time:

Yes No

Container:

Proper Containers and Sufficient Volume:

Yes No

Soil: 4oz 8oz Sleeve VOA

Water: 500AG 1AG 125PB 250PB 500PB VOA Other _____

Air: Tedlar®

Sample Containers Intact:

Yes No

Trip Blank

Yes No

Chain-of-Custody (COC):

Received:

Yes No

Samplers Name:

Yes No

Container Labels match COC:

Yes No

COC documents received complete:

Yes No

Proper Preservation Noted:

Yes No

Completed By: Janet Chin



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

RMA Geoscience
9854 Glenoaks Blvd.
Sun Valley CA, 91352

Project: Canterwood
Project Number: 17H-0307-05
Project Manager: Martha Sgriccia

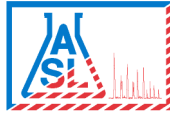
Work Order No: 1808172
Reported:
08/24/2018 16:46

ANALYTICAL SUMMARY REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S1	1808172-01	Solid	08/16/2018 08:00	08/17/2018 16:40
S2	1808172-02	Solid	08/16/2018 08:00	08/17/2018 16:40
S3	1808172-03	Solid	08/16/2018 08:00	08/17/2018 16:40
S4	1808172-04	Solid	08/16/2018 08:00	08/17/2018 16:40
S5	1808172-05	Solid	08/16/2018 08:00	08/17/2018 16:40
S6	1808172-06	Solid	08/16/2018 08:00	08/17/2018 16:40
S7	1808172-07	Solid	08/16/2018 08:00	08/17/2018 16:40
S8	1808172-08	Solid	08/16/2018 08:00	08/17/2018 16:40
S9	1808172-09	Solid	08/16/2018 08:00	08/17/2018 16:40
S10	1808172-10	Solid	08/16/2018 08:00	08/17/2018 16:40
S11	1808172-11	Solid	08/16/2018 08:00	08/17/2018 16:40
S12	1808172-12	Solid	08/16/2018 08:00	08/17/2018 16:40
S13	1808172-13	Solid	08/16/2018 08:00	08/17/2018 16:40
S14	1808172-14	Solid	08/16/2018 08:00	08/17/2018 16:40

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Wendy Lu, Laboratory Supervisor



RMA Geoscience
 9854 Glenoaks Blvd.
 Sun Valley CA, 91352

Project: Canterwood
 Project Number: 17H-0307-05
 Project Manager: Martha Sgriccia

Work Order No: 1808172
Reported:
 08/24/2018 16:46

Analytical Results

Client Sample ID: S1

Laboratory Sample ID: 1808172-01 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals					Batch ID: BH80645	Prepared: 08/22/2018 11:24			
Arsenic	0.482		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides					Batch ID: BH80509	Prepared: 08/19/2018 10:09			
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
gamma-Chlordane	6.37		2.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
4,4'-DDE	14.0		4.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 14:25	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>			108 %	43-169		3550 SV	08/20/2018 14:25	AY	8081A

Analytical Results

Client Sample ID: S2

Laboratory Sample ID: 1808172-02 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals					Batch ID: BH80645	Prepared: 08/22/2018 11:24			
Arsenic	0.477		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides					Batch ID: BH80509	Prepared: 08/19/2018 10:09			
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
gamma-Chlordane	2.74		2.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A

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RMA Geoscience
9854 Glenoaks Blvd.
Sun Valley CA, 91352

Project: Canterwood
Project Number: 17H-0307-05
Project Manager: Martha Sgriccia

Work Order No: 1808172
Reported:
08/24/2018 16:46

Analytical Results

Client Sample ID: S2

Laboratory Sample ID: 1808172-02 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
4,4'-DDE	13.8		4.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 14:41	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>			108 %	43-169		3550 SV	08/20/2018 14:41	AY	8081A

Analytical Results

Client Sample ID: S3

Laboratory Sample ID: 1808172-03 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals			Batch ID: BH80645		Prepared: 08/22/2018 11:24				
Arsenic	0.358		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
gamma-Chlordane	3.88		2.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
4,4'-DDE	16.1		4.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A

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RMA Geoscience
9854 Glenoaks Blvd.
Sun Valley CA, 91352

Project: Canterwood
Project Number: 17H-0307-05
Project Manager: Martha Sgriccia

Work Order No: 1808172
Reported:
08/24/2018 16:46

Analytical Results

Client Sample ID: S3

Laboratory Sample ID: 1808172-03 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 14:57	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>			97.6 %	43-169		3550 SV	08/20/2018 14:57	AY	8081A

Analytical Results

Client Sample ID: S4

Laboratory Sample ID: 1808172-04 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals			Batch ID: BH80645		Prepared: 08/22/2018 11:24				
Arsenic	0.343		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
gamma-Chlordane	5.63		2.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
4,4'-DDE	21.6		4.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A

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RMA Geoscience
 9854 Glenoaks Blvd.
 Sun Valley CA, 91352

Project: Canterwood
 Project Number: 17H-0307-05
 Project Manager: Martha Sgriccia

Work Order No: 1808172
Reported:
 08/24/2018 16:46

Analytical Results

Client Sample ID: S4

Laboratory Sample ID: 1808172-04 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 15:12	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>			91.8 %	43-169		3550 SV	08/20/2018 15:12	AY	8081A

Analytical Results

Client Sample ID: S5

Laboratory Sample ID: 1808172-05 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals			Batch ID: BH80645		Prepared: 08/22/2018 11:24				
Arsenic	0.422		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
gamma-Chlordane	5.70		2.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
4,4'-DDE	23.3		4.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 15:28	AY	8081A

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RMA Geoscience
9854 Glenoaks Blvd.
Sun Valley CA, 91352

Project: Canterwood
Project Number: 17H-0307-05
Project Manager: Martha Sgriccia

Work Order No: 1808172
Reported:
08/24/2018 16:46

Analytical Results

Client Sample ID: S5

Laboratory Sample ID: 1808172-05 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
<i>Surrogate: Decachlorobiphenyl</i>			91.2 %	43-169	3550 SV	08/20/2018 15:28	AY	8081A	

Analytical Results

Client Sample ID: S6

Laboratory Sample ID: 1808172-06 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals			Batch ID: BH80645		Prepared: 08/22/2018 11:24				
Arsenic	0.549		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
gamma-Chlordane	5.09		2.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
4,4'-DDE	18.8		4.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 16:08	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>			122 %	43-169	3550 SV	08/20/2018 16:08	AY	8081A	

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RMA Geoscience
9854 Glenoaks Blvd.
Sun Valley CA, 91352

Project: Canterwood
Project Number: 17H-0307-05
Project Manager: Martha Sgriccia

Work Order No: 1808172
Reported:
08/24/2018 16:46

Analytical Results

Client Sample ID: S7

Laboratory Sample ID: 1808172-07 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals					Batch ID: BH80645	Prepared: 08/22/2018 11:24			
Arsenic	0.485		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides					Batch ID: BH80509	Prepared: 08/19/2018 10:09			
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
gamma-Chlordane	2.37		2.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
4,4'-DDE	13.6		4.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 16:24	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>			85.5 %	43-169		3550 SV	08/20/2018 16:24	AY	8081A

Analytical Results

Client Sample ID: S8

Laboratory Sample ID: 1808172-08 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals					Batch ID: BH80645	Prepared: 08/22/2018 11:24			
Arsenic	0.450		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides					Batch ID: BH80509	Prepared: 08/19/2018 10:09			
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
gamma-Chlordane	3.36		2.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A

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RMA Geoscience
9854 Glenoaks Blvd.
Sun Valley CA, 91352

Project: Canterwood
Project Number: 17H-0307-05
Project Manager: Martha Sgriccia

Work Order No: 1808172
Reported:
08/24/2018 16:46

Analytical Results

Client Sample ID: S8

Laboratory Sample ID: 1808172-08 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
4,4'-DDE	18.9		4.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 16:40	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>			84.4 %	43-169		3550 SV	08/20/2018 16:40	AY	8081A

Analytical Results

Client Sample ID: S9

Laboratory Sample ID: 1808172-09 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals			Batch ID: BH80645		Prepared: 08/22/2018 11:24				
Arsenic	0.378		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
gamma-Chlordane	2.40		2.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
4,4'-DDE	4.19		4.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A

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RMA Geoscience
9854 Glenoaks Blvd.
Sun Valley CA, 91352

Project: Canterwood
Project Number: 17H-0307-05
Project Manager: Martha Sgriccia

Work Order No: 1808172
Reported:
08/24/2018 16:46

Analytical Results

Client Sample ID: S9

Laboratory Sample ID: 1808172-09 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Organochlorine Pesticides					Batch ID: BH80509		Prepared: 08/19/2018 10:09		
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 16:56	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>			85.9 %		43-169	3550 SV	08/20/2018 16:56	AY	8081A

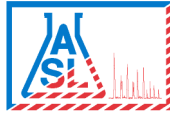
Analytical Results

Client Sample ID: S10

Laboratory Sample ID: 1808172-10 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals					Batch ID: BH80645		Prepared: 08/22/2018 11:24		
Arsenic	0.359		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides					Batch ID: BH80509		Prepared: 08/19/2018 10:09		
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
gamma-Chlordane	6.19		2.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
4,4'-DDE	27.3		4.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A

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RMA Geoscience
9854 Glenoaks Blvd.
Sun Valley CA, 91352

Project: Canterwood
Project Number: 17H-0307-05
Project Manager: Martha Sgriccia

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Reported:
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Analytical Results

Client Sample ID: S10

Laboratory Sample ID: 1808172-10 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 17:11	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>			94.2 %	43-169		3550 SV	08/20/2018 17:11	AY	8081A

Analytical Results

Client Sample ID: S11

Laboratory Sample ID: 1808172-11 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals			Batch ID: BH80645		Prepared: 08/22/2018 11:24				
Arsenic	0.286		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
gamma-Chlordane	3.78		2.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
4,4'-DDE	13.4		4.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 17:27	AY	8081A

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RMA Geoscience
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 Sun Valley CA, 91352

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 Project Manager: Martha Sgriccia

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Reported:
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Analytical Results

Client Sample ID: S11

Laboratory Sample ID: 1808172-11 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
<i>Surrogate: Decachlorobiphenyl</i>	98.3 %			43-169		3550 SV	08/20/2018 17:27	AY	8081A

Analytical Results

Client Sample ID: S12

Laboratory Sample ID: 1808172-12 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals			Batch ID: BH80645		Prepared: 08/22/2018 11:24				
Arsenic	0.360		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
gamma-Chlordane	4.45		2.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
4,4'-DDE	18.5		4.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 17:43	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>	103 %			43-169		3550 SV	08/20/2018 17:43	AY	8081A

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Sun Valley CA, 91352

Project: Canterwood
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Project Manager: Martha Sgriccia

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Analytical Results

Client Sample ID: S13

Laboratory Sample ID: 1808172-13 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals					Batch ID: BH80645	Prepared: 08/22/2018 11:24			
Arsenic	0.378		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides					Batch ID: BH80509	Prepared: 08/19/2018 10:09			
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
gamma-Chlordane	3.18		2.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
4,4'-DDE	28.1		4.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 17:59	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>			74.3 %	43-169		3550 SV	08/20/2018 17:59	AY	8081A

Analytical Results

Client Sample ID: S14

Laboratory Sample ID: 1808172-14 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals					Batch ID: BH80645	Prepared: 08/22/2018 11:24			
Arsenic	0.288		0.250	mg/kg	1	3050B	08/23/2018 15:52	LN	SW846 6010B
Organochlorine Pesticides					Batch ID: BH80509	Prepared: 08/19/2018 10:09			
Aldrin	ND		2.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
alpha-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
beta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
gamma-Chlordane	3.12		2.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A

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RMA Geoscience
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Project: Canterwood
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Project Manager: Martha Sgriccia

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Analytical Results

Client Sample ID: S14

Laboratory Sample ID: 1808172-14 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Organochlorine Pesticides			Batch ID: BH80509		Prepared: 08/19/2018 10:09				
alpha-Chlordane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
4,4'-DDD	ND		4.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
4,4'-DDE	27.7		4.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
4,4'-DDT	ND		4.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
delta-BHC	ND		2.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Dieldrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Endosulfan I	ND		2.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Endosulfan II	ND		4.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Endosulfan sulfate	ND		4.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Endrin	ND		4.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Endrin aldehyde	ND		4.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Endrin ketone	ND		4.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
gamma-BHC, Lindane	ND		2.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Heptachlor	ND		2.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Heptachlor Epoxide	ND		2.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Methoxychlor	ND		4.00	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Toxaphene	ND		170	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
Chlordane (total)	ND		100	ug/kg	1	3550 SV	08/20/2018 18:15	AY	8081A
<i>Surrogate: Decachlorobiphenyl</i>			<i>80.7 %</i>	<i>43-169</i>		3550 SV	08/20/2018 18:15	AY	<i>8081A</i>

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Sun Valley CA, 91352

Project: Canterwood
Project Number: 17H-0307-05
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Work Order No: 1808172
Reported:
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Total ICP Metals - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH80645 - 3050B - SW846 6010B										
Blank (BH80645-BLK1)										
					Prepared: 08/22/201 Analyzed: 08/23/201					
Arsenic	ND	0.250	mg/kg							
LCS (BH80645-BS1)										
					Prepared: 08/22/201 Analyzed: 08/23/201					
Arsenic	98.2	0.500	mg/kg	100		98.2	80-120			
LCS Dup (BH80645-BSD1)										
					Prepared: 08/22/201 Analyzed: 08/23/201					
Arsenic	99.3	0.500	mg/kg	100		99.3	80-120	1.16	30	

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Wendy Lu, Laboratory Supervisor



RMA Geoscience
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Project: Canterwood
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08/24/2018 16:46

Organochlorine Pesticides - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BH80509 - 3550 SV - 8081A

Blank (BH80509-BLK1)

Prepared: 08/19/201 Analyzed: 08/20/201

Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	"							
beta-BHC	ND	2.00	"							
gamma-Chlordane	ND	2.00	"							
alpha-Chlordane	ND	2.00	"							
4,4'-DDD	ND	4.00	"							
4,4'-DDE	ND	4.00	"							
4,4'-DDT	ND	4.00	"							
delta-BHC	ND	2.00	"							
Dieldrin	ND	4.00	"							
Endosulfan I	ND	2.00	"							
Endosulfan II	ND	4.00	"							
Endosulfan sulfate	ND	4.00	"							
Endrin	ND	4.00	"							
Endrin aldehyde	ND	4.00	"							
Endrin ketone	ND	4.00	"							
gamma-BHC, Lindane	ND	2.00	"							
Heptachlor	ND	2.00	"							
Heptachlor Epoxide	ND	2.00	"							
Methoxychlor	ND	4.00	"							
Toxaphene	ND	170	"							
Chlordane (total)	ND	100	"							

Surrogate: Decachlorobiphenyl 15.2 " 16.7 91.3 43-169

LCS (BH80509-BS1)

Prepared: 08/19/201 Analyzed: 08/20/201

Aldrin	12.1	2.00	ug/kg	16.7		72.3	42-122			
4,4'-DDT	11.7	4.00	"	16.7		69.9	25-160			
Dieldrin	13.0	4.00	"	16.7		78.2	36-146			
Endrin	14.5	4.00	"	16.7		86.9	30-147			
gamma-BHC, Lindane	12.4	2.00	"	16.7		74.7	32-127			
Heptachlor	12.4	2.00	"	16.7		74.2	34-111			

Surrogate: Decachlorobiphenyl 11.2 " 16.7 67.5 43-169

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Wendy Lu, Laboratory Supervisor



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Sun Valley CA, 91352

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08/24/2018 16:46

Organochlorine Pesticides - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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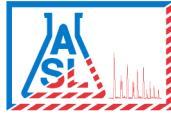
Batch BH80509 - 3550 SV - 8081A

LCS Dup (BH80509-BSD1)

Prepared: 08/19/201 Analyzed: 08/20/201

Aldrin	12.2	2.00	ug/kg	16.7		73.2	42-122	1.20	30	
4,4'-DDT	11.6	4.00	"	16.7		69.9	25-160	0.0601	30	
Dieldrin	13.4	4.00	"	16.7		80.7	36-146	3.10	30	
Endrin	14.8	4.00	"	16.7		89.1	30-147	2.45	30	
gamma-BHC, Lindane	12.9	2.00	"	16.7		77.2	32-127	3.35	30	
Heptachlor	12.3	2.00	"	16.7		73.9	34-111	0.338	30	
Surrogate: Decachlorobiphenyl	12.2		"	16.7		73.5	43-169			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



AMERICAN SCIENTIFIC LABORATORIES, LLC

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RMA Geoscience
9854 Glenoaks Blvd.
Sun Valley CA, 91352

Project: Canterwood
Project Number: 17H-0307-05
Project Manager: Martha Sgriccia

Work Order No: 1808172

Reported:
08/24/2018 16:46

Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the practical quantitation limit (PQL)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference