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CONSULTING

LIMITED PHASE II SUBSURFACE INVESTIGATION REPORT

Renaissance Ranch



Prepared For:

Richland Communities
3161 Michelson Drive, Suite 425
Irvine, CA 92612

Hillmann Project Number C3-8509

July 30, 2021

Hillmann Consulting, LLC

Daniel R. Louks

_____

Dan Louks
Professional Geologist 4883

PROFESSIONAL GEOLOGIST
DANIEL R. LOUKS
NO. 4883
EXP. NOV. 30, 2021
STATE OF CALIFORNIA

HILLMANN
CONSULTING

July 30, 2021

Ms. Jessica Toohey
Richland Communities
3161 Michelson Drive, Suite 425
Irvine, CA 92612

RE: Limited Phase II Subsurface Investigation Report
Renaissance Ranch
Corona, California 92883
Hillmann Project Number: C3-8509

Dear Ms. Toohey:

Hillmann Consulting, LLC, is pleased to provide this Limited Phase II Subsurface Investigation Report prepared for the above referenced Property.

This report is for the exclusive use of the entities named on the front cover, its affiliates, designates and assignees, rating agencies, prospective bond holders and bond holders, and no other party shall have any right to rely on any service provided by Hillmann Consulting, LLC, without prior written consent.

We appreciate the opportunity to provide environmental due diligence services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact our office at 714-634-9500.

Regards,
Hillmann Consulting, LLC

Stephen Bartlett
Senior Project Manager

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1.0 INTRODUCTION / BACKGROUND

Hillmann Consulting, LLC (Hillmann) conducted a Limited Phase II Subsurface Investigation at the site, located at Renaissance Ranch. The Property consists of many irregularly shaped parcels located north of the intersection of Bucking Bay Drive and Palomino Creek Drive in Corona. The Property occupies approximately one hundred and fifty-six (156) acres of land, approximately sixty (60) acres of which were utilized for agricultural purposes located in a rural developed area characterized by a mix of commercial properties and single-family homes.

The Property was historically and currently used for agricultural purposes and orchards. Based on DTSC guidance, properties where pesticides were uniformly applied could pose potential environmental or human risk when developed for other purposes.

During a Phase II conducted by Hillmann in July 2021, Hillmann collected sixty-eight (68) individual samples, which were then composited into seventeen (17) composite samples, and analyzed for OCPs and Title 22 Metals from sixty-eight (68) quadrants throughout the Property. Results of the OCP analysis indicated low levels of 4,4'-DDE and 4,4'-DDT, however, these were below regional screening levels (RSLs). For residential applications, results of Title 22 Metals analysis indicated low background levels of metals that did not exceed acceptable screening levels for residential applications.

2.0 GEOLOGY/HYDROGEOLOGY

According to the US Department of Agriculture Natural Resource Conservation Service Soil Map, the soil primarily consists of cobbly coarse sandy loam, with 0-5% slopes. Groundwater was not encountered during soil sampling.

3.0 SITE INVESTIGATION

On May 24through 26, 2021 Hillmann collected sixty-eight (68) shallow soil samples from various areas on the Property formerly utilized as orchards/agricultural land, which were composited into seventeen (17) samples representative of a sampling area/quadrant. The samples were collected using a hand auger tool or soil sampling spatula, and were completed from 0.5 to 1.5 feet below grade, according to the June 2008 Revision of the DTSC guidelines "Interim Guidance for Sampling Agricultural Soils". Soil samples collected were preserved for analysis in laboratory jars, sealed with Teflon tape and plastic end caps, wrapped in aluminum foil and stored on ice. A total of seventeen (17) composited soil samples were submitted for laboratory analysis for organo-chlorine pesticides (OCP) by EPA Method 8081A and Title 22 Metals by EPA Method 6010B. A&R Laboratories of Ontario, California analyzed the samples. The soil sample locations are indicated on **Figure 1.**

3.1 Laboratory Results

Results of OCP analysis indicated no detectable levels of OCPs in samples collected. Results of heavy metal analysis indicated the samples had low background levels of barium, chromium, cobalt, copper, lead, nickel, molybdenum, vanadium, and zinc.

The detected compounds were compared to Regional Screening Levels (RSLs) developed by EPA which are based on human health toxicity factors for residential and commercial settings. Results of the OCP analysis indicated no detectable levels of OCPs. These results are summarized in **Table 1**. The results from heavy metal analysis indicate the samples had low, background levels of metals, which did not exceed the applicable RSLs for residential applications. These results are summarized in **Table 2**. The laboratory report is included as **Appendix A**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The site occupies approximately 156-acres of land, approximately 60 of which was formerly utilized as orchards and agricultural land that is being considered for a residential development. Records indicate the site is currently and historically utilized as agricultural land, which could pose possible environmental impacts if pesticides were used. Based on these factors Hillmann recommended that a soil sampling investigation that included sampling of near surface native soil for pesticides, and Title 22 Metals. Hillmann collected sixty-eight (68) individual samples, which were then composited into seventeen (17) composite samples, and analyzed for OCPs and Title 22 Metals. Results of the OCP analysis indicated no detectable levels of OCPs. The results from heavy metal analysis indicate the samples had low, background levels of metals, which did not exceed the applicable RSLs for residential applications.

Hillmann recommends no further investigation at this time.

5.0 LIMITATIONS

This Subsurface Investigation was performed in accordance with generally and currently accepted engineering practices and principles. Although the data in this report is indicative of subsurface conditions in areas investigated, no further conclusions regarding the absence or presence of subsurface contamination in other areas of the site should be construed or inferred other than those expressly stated in this report. The conclusions made are based on information obtained from field observations, independent laboratory analytical results, and from current and relevant Federal, State, regional, and local agencies.

TABLE 1
Summary of Pesticide Soil Sampling Results (mg/Kg)

Sample ID	4,4 DDD	4,4 DDE	4,4 DDT	Dieldrin	Other OCP
B-1-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-2-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-3-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-4-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-5-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-6-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-7-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-8-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-9-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-10-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-11-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-12-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-13-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-14-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-15-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-16-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
B-17-0.5'-1.5'	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND (<0.0020)	ND
Residential RSL	***2.3***	***2.0***	***1.9***	***0.034***	***Var.***
Commercial RSL	***9.6***	***9.3***	***8.5***	***0.14***	***Var.***

Notes: Refer to Table 2 for heavy metal results summary. OCP - Organo-Chlorine Pesticides. ND - Not Detected NM – Not Measured. EPA Regional Screening Levels (RSLs) are human health risk-based screening levels used by EPA and DTSC in residential and commercial settings. Please refer to lab report for complete results.

TABLE 2
Summary of Heavy Metal Results (mg/Kg)

Sample ID	Antimony	Barium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Vanadium	Zinc
B-1-0.5'-1.5'	ND (<1.00)	131	15.9	4.72	9.26	4.38	ND (<0.500)	5.24	38.0	28.4
B-2-0.5'-1.5'	1.25	120	15.7	4.80	9.94	13.6	ND (<0.500)	5.84	37.7	32.6
B-3-0.5'-1.5'	ND (<1.00)	130	17.1	4.92	11.7	5.85	ND (<0.500)	6.41	40.3	41.8
B-4-0.5'-1.5'	ND (<1.00)	101	14.5	4.63	6.91	6.59	ND (<0.500)	4.93	36.6	28.2
B-5-0.5'-1.5'	ND (<1.00)	120	14.7	4.38	13.7	4.44	ND (<0.500)	5.06	36.6	46.0
B-6-0.5'-1.5'	ND (<1.00)	84.8	9.66	3.11	2.99	2.43	ND (<0.500)	2.05	26.9	15.4
B-7-0.5'-1.5'	ND (<1.00)	121	12.9	3.96	3.43	2.95	0.521	2.72	34.6	17.0
B-8-0.5'-1.5'	ND (<1.00)	88.8	10.1	3.20	2.79	2.46	ND (<0.500)	2.06	27.5	15.2
B-9-0.5'-1.5'	ND (<1.00)	98.4	15.4	4.88	8.47	4.36	ND (<0.500)	5.27	38.7	24.4
B-10-0.5'-1.5'	ND (<1.00)	118	14.8	4.29	15.2	4.42	ND (<0.500)	4.99	35.7	48.6
B-11-0.5'-1.5'	ND (<1.00)	123	17.4	5.28	7.55	3.85	ND (<0.500)	6.69	41.5	26.5
B-12-0.5'-1.5'	ND (<1.00)	115	13.8	4.31	6.31	3.23	ND (<0.500)	4.39	32.5	22.9
B-13-0.5'-1.5'	ND (<1.00)	84.7	13.4	4.44	9.35	5.46	ND (<0.500)	4.47	33.4	23.5
B-14-0.5'-1.5'	ND (<1.00)	77.3	13.0	4.49	6.84	5.46	ND (<0.500)	4.35	33.5	20.3
B-15-0.5'-1.5'	ND (<1.00)	116	16.2	5.05	7.17	3.68	ND (<0.500)	6.42	39.4	24.8
B-16-0.5'-1.5'	ND (<1.00)	91.6	15.0	4.67	6.89	4.05	ND (<0.500)	5.22	36.2	22.8
B-17-0.5'-1.5'	ND (<1.00)	95.0	14.3	4.43	9.37	5.98	ND (<0.500)	4.84	36.0	31.7
Residential RSL	***31***	***15,000***	***36,000***	***23***	***3,100***	***80***	***390***	***490****	***390****	***23,000***
Industrial RSL	***470***	***220,000***	***170,000***	***350***	***47,000***	***320***	***5,800***	***3,100****	***1,000****	***350,000***

Notes: ND - Not Detected. EPA Regional Screening Levels (RSLs) are human health risk-based screening levels used by EPA and DTSC in residential and commercial settings. DTSC Background Concentration is based on statistical study of sites throughout southern California. This concentration may be used as a screening level for anthropogenic and naturally occurring levels of arsenic in soil in southern California.* - Values modified by DTSC HHRA Note 3. Please refer to lab report for complete resul

FIGURES

APPENDIX A
Laboratory Reports

A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTARIO, CA 91761
951-779-0310 FAX 951-779-0344
www.arlaboratories.com office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#'s	2789
	2790
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CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 07/19/2021 15:55:52
Laboratory Job No. (Certificate of Analysis No.)	2107-00089
Project Name / No.	RICHLAND - CORONA
Dates Sampled (from/to)	07/13/21 To 07/13/21
Dates Received (from/to)	07/13/21 To 07/13/21
Dates Reported (from/to)	07/19/21 To 7/19/2021
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

No analyses sub-contracted

Inorganic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

None

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CERTIFICATE OF ANALYSIS

2107-00089

HILLMANN GROUP
RYAN TERWILLIGER
1745 W. ORANGEWOOD AVE.
SUITE 201
ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 **B-1-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**131**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**15.9**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.72**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**9.26**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**4.38**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**5.24**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**38.0**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**28.4**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR

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2107-00089

HILLMANN GROUP
RYAN TERWILLIGER
1745 W. ORANGEWOOD AVE.
SUITE 201
ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 **B-1-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	89		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	89		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 002 **B-2-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	**1.25**		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**120**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**15.7**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.80**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**9.94**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**13.6**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**5.84**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB

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Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 **B-2-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**37.7**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**32.6**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	120		%REC	EPA 8081A/8082		50-150	07/14/21	SR

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2107-00089

HILLMANN GROUP
RYAN TERWILLIGER
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SUITE 201
ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 **B-2-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Decachlorobiphenyl	116		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 003 **B-3-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**130**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**17.1**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.92**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**11.7**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**5.85**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**6.41**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**40.3**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**41.8**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR

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Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 **B-3-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	105		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	102		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 004 **B-4-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**101**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**14.5**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.63**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB

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HILLMANN GROUP
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Project: RICHLAND - CORONA

Date Reported 07/19/21
Date Received 07/13/21
Invoice No. 92368
Cust # H080
Permit Number
Customer P.O.

Sample: 004 **B-4-0.5'-1.5'** Date & Time Sampled: 07/13/21
Sample Matrix: **Soil**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Copper	**6.91**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**6.59**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**4.93**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**36.6**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**28.2**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR

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HILLMANN GROUP
RYAN TERWILLIGER
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ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 **B-4-0.5'-1.5'** Sample Matrix: **Soil**					Date & Time Sampled:		07/13/21	
.....continued								
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	136		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	107		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 005 **B-5-0.5'-1.5'** Sample Matrix: **Soil**					Date & Time Sampled:		07/13/21	
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**120**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**14.7**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.38**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**13.7**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**4.44**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**5.06**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**36.6**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**46.0**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								

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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 **B-5-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	140		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	120		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 006 **B-6-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB

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CERTIFICATE OF ANALYSIS

2107-00089

HILLMANN GROUP
RYAN TERWILLIGER
1745 W. ORANGEWOOD AVE.
SUITE 201
ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Sample: 006 **B-6-0.5'-1.5'** Date & Time Sampled: 07/13/21
Sample Matrix: **Soil**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Barium	**84.8**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**9.66**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**3.11**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**2.99**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**2.43**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**2.05**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**26.9**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**15.4**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR

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HILLMANN GROUP
RYAN TERWILLIGER
1745 W. ORANGEWOOD AVE.
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Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 **B-6-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	99		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	98		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 007 **B-7-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**121**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**12.9**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**3.96**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**3.43**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**2.95**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	**0.521**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**2.72**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**34.6**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB

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CERTIFICATE OF ANALYSIS

2107-00089

HILLMANN GROUP
RYAN TERWILLIGER
1745 W. ORANGEWOOD AVE.
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ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
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Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 007 **B-7-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Zinc	**17.0**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	130		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	104		%REC	EPA 8081A/8082		50-150	07/14/21	SR

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Date Reported	07/19/21
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Invoice No.	92368
Cust #	H080
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Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 **B-8-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**88.8**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**10.1**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**3.20**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**2.79**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**2.46**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**2.06**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**27.5**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**15.2**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR

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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 **B-8-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	99		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	103		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 009 **B-9-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**98.4**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**15.4**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.88**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**8.47**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**4.36**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**5.27**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB

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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 **B-9-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**38.7**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**24.4**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	128		%REC	EPA 8081A/8082		50-150	07/14/21	SR

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2107-00089

HILLMANN GROUP
RYAN TERWILLIGER
1745 W. ORANGEWOOD AVE.
SUITE 201
ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 **B-9-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Decachlorobiphenyl	107		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 010 **B-10-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**118**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**14.8**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.29**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**15.2**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**4.42**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**4.99**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**35.7**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**48.6**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR

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HILLMANN GROUP
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Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 010 **B-10-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	118		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	104		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 011 **B-11-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**123**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**17.4**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**5.28**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB

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CERTIFICATE OF ANALYSIS

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ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
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Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 011 **B-11-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Copper	**7.55**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**3.85**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**6.69**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**41.5**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**26.5**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR

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Date Reported	07/19/21
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Invoice No.	92368
Cust #	H080
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Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 011 **B-11-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	111		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	96		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 012 **B-12-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**115**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**13.8**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.31**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**6.31**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**3.23**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**4.39**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**32.5**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**22.9**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								

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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 012 **B-12-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	127		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	106		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 013 **B-13-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB

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CERTIFICATE OF ANALYSIS

2107-00089

HILLMANN GROUP
RYAN TERWILLIGER
1745 W. ORANGEWOOD AVE.
SUITE 201
ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Sample: 013 **B-13-0.5'-1.5'** Date & Time Sampled: 07/13/21
Sample Matrix: **Soil**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Barium	**84.7**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**13.4**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.44**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**9.35**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**5.46**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**4.47**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**33.4**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**23.5**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR

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RYAN TERWILLIGER
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ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 013 **B-13-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	111		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	114		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 014 **B-14-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**77.3**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**13.0**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.49**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**6.84**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**5.46**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**4.35**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**33.5**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB

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ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
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Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 014 **B-14-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Zinc	**20.3**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	108		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	102		%REC	EPA 8081A/8082		50-150	07/14/21	SR

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Project: RICHLAND - CORONA

Date Reported	07/19/21
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Invoice No.	92368
Cust #	H080
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Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 015 **B-15-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**116**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**16.2**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**5.05**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**7.17**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**3.68**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**6.42**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**39.4**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**24.8**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR

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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 015 **B-15-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	118		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	103		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 016 **B-16-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**91.6**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**15.0**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.67**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**6.89**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**4.05**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**5.22**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB

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Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
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Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 016 **B-16-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**36.2**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**22.8**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	96		%REC	EPA 8081A/8082		50-150	07/14/21	SR

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LA City#	10261
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CERTIFICATE OF ANALYSIS

2107-00089

HILLMANN GROUP
RYAN TERWILLIGER
1745 W. ORANGEWOOD AVE.
SUITE 201
ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 016 **B-16-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
Decachlorobiphenyl	100		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Sample: 017 **B-17-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		07/19/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Barium	**95.0**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Chromium	**14.3**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Cobalt	**4.43**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Copper	**9.37**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Lead	**5.98**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Nickel	**4.84**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	07/19/21	TLB
Vanadium	**36.0**		mg/Kg	EPA 6010B	1.0	0.500	07/19/21	TLB
Zinc	**31.7**		mg/Kg	EPA 6010B	1.0	5.00	07/19/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		07/15/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	07/15/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		07/14/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR

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CERTIFICATE OF ANALYSIS

2107-00089

HILLMANN GROUP
RYAN TERWILLIGER
1745 W. ORANGEWOOD AVE.
SUITE 201
ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	07/19/21
Date Received	07/13/21
Invoice No.	92368
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 017 **B-17-0.5'-1.5'**					Date & Time Sampled:		07/13/21	
Sample Matrix: **Soil**								
.....continued								
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	07/14/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	07/14/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	07/14/21	SR
[Surrogates]								
Tetrachloro-m-xylene	120		%REC	EPA 8081A/8082		50-150	07/14/21	SR
Decachlorobiphenyl	112		%REC	EPA 8081A/8082		50-150	07/14/21	SR

Respectfully Submitted: Ken Zheng

Ken Zheng - Lab Director

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QUALITY CONTROL DATA REPORT

2107-00089

HILLMANN GROUP
RYAN TERWILLIGER
1745 W. ORANGEWOOD AVE.
SUITE 201
ORANGE, CA 92868

Project: RICHLAND - CORONA

Date Reported	**07/19/2021**
Date Received	**07/13/2021**
Date Sampled	**07/13/2021**
Invoice No.	**92368**
Customer #	**H080**
Customer P.O.	

Method # EPA 6010B
QC Reference # 97436 **Date Analyzed:** 7/19/2021 **Technician:** TLB
Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017

Results

	LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD
Antimony	100	100	0.0	94	94	0.3
Arsenic	99	99	0.5	88	86	2.0
Barium	97	98	1.2	92	88	0.5
Beryllium	98	99	1.0	105	105	0.0
Cadmium	98	99	0.7	87	87	0.2
Chromium	98	100	1.9	92	92	0.2
Cobalt	98	99	0.4	87	88	0.4
Copper	99	99	1.4	96	96	0.2
Lead	99	99	0.2	84	84	0.3
Molybdenum	99	100	0.4	98	99	0.4
Nickel	99	99	0.2	86	87	0.6
Selenium	98	99	0.7	79	79	0.7
Silver	97	96	0.6	86	86	0.1
Thallium	99	97	2.3	89	86	2.7
Vanadium	100	99	0.6	98	99	0.1
Zinc	98	99	0.4	85	86	0.3

Control Ranges

LCS %REC	LCS %RPD	SPIKE %RPD
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20

Method # EPA 7471A
QC Reference # 97360 **Date Analyzed:** 7/15/2021 **Technician:** KZ
Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017

Results

	LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD
Mercury	97	100	3	88	82	6

Control Ranges

LCS %REC	LCS %RPD	SPIKE %RPD
75 - 125	0 - 25	0 - 25

Method # EPA 8081A
QC Reference # 97346 **Date Analyzed:** 7/14/2021 **Technician:** SR
Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017

Results

	LCS %REC	SPIKE %REC	SPIKE %DUP	SPIKE %RPD
4,4'-DDT	50	105	97	8
Aldrin	95	107	110	3
Dieldrin	94	97	98	1
Endrin	82	72	74	2
gamma-BHC	88	103	100	3
Heptachlor	66	89	93	4

Control Ranges

LCS %REC	SPIKE %RPD
50 - 130	0 - 30
50 - 140	0 - 30
70 - 130	0 - 30
70 - 150	0 - 30
50 - 150	0 - 30
50 - 150	0 - 30

Method # EPA 8081A/8082
QC Reference # 97346 **Date Analyzed:** 7/14/2021 **Technician:** SR
Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017

No QC recoveries reported.

No method blank results were above reporting limit

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QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

As regulatory limits change frequently, A & R Laboratories advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.

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QUALITY CONTROL DATA REPORT

2107-00089

HILLMANN GROUP
RYAN TERWILLIGER

Date Reported	**07/19/2021**
Date Received	**07/13/2021**
Date Sampled	**07/13/2021**

Project: RICHLAND - CORONA

Respectfully Submitted: Ken Zheng

Ken Zheng - President

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.

2107-89

AR Lab Job #

Chain of Custody Record

AR LABORATORIES, Inc.

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Ontario, CA 91761
Voice: 951.779.0310 ● 800.798.9336
Fax: 951.779.0344

www.arlaboratories.com info@arlaboratories.com

Project No:	Project Name:
C3-8509	Richland - Corona
Project Manager: Stephen Bartlett	**Phone:** 714-634-9500 **Fax:**
Client Name: (Report and Billing) Hillmann Consulting LLC	**Address:** (Report and Billing) 1745 W. Orangewood Avenue, Suite 201 Orange, CA 92868

Please Circle Analyses Requested

Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	8015M: Diesel, Fuel Screen, Carbon Chain	8015M: Gas only	8021B: BTEX/MtBE Only	418.1 (TRPH), 413.2, 1664		GC or GCMS Volatiles by 5035*	GCMS: 8260B, 8021B, 624, 524.2	GCMS: MtBE Conf. Only, BTEX/Oxygenates Only	GCMS: 8270C, 625	8081: Pesticides, PCBs, Pest/PCB		Metals: Title 22 (CAM), RCRA, PP	pH, TDS, TSS, Conductivity	Flashpoint, Hex Cr		Remarks/Special Instructions
1	B-1-0.5'-1.0'	7/13/24		Soil	Q1 - Q4	1 glass										X		X				
2	B-2				Q5 - Q8											X		X				
3	B-3				Q9 - Q12											X		X				
4	B-4				Q13 - Q16											X		X				
5	B-5				Q17 - Q20											X		X				
6	B-6				Q21 - Q24											X		X				
7	B-7				Q25 - Q28											X		X				
8	B-8				Q29 - Q32											X		X				
9	B-9			↓	Q33 - Q36											X		X				
10	B-10	↓	↓		Q37 - Q40	↓										X		X				

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☑ Normal TAT

*Requires PRIOR approval, additional charges apply

Requested due date: _____

Remarks/Special Instructions

1) Relinquished by: (Sampler's Signature)	Date: 7/13/24	Time:	3) Relinquished by:
2) Received by:	Date:	Time:	4) Received by:
			5) Relinquished by:
The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.			6) Received for Laboratory by:

Date:	Time:
Date:	Time:
Date:	Time:
Date: 7/13	Time: 1:42

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☐ No

All sample containers intact? ☐ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☐ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☐ Lab disposal

Laboratory Notes:

Sample Locator No.

White Copy - Original (Accompanies Samples) Yellow Copy - Centrum Files Pink Copy - Centrum duplicate Gold Copy - Client Copy

2107-89

AR LABORATORIES, Inc.

Chain of Custody Record

AR Lab Job #

1650 S. Grove Ave Suite C
Ontario, CA 91761
Voice: 951.779.0310 ● 800.798.9336
Fax: 951.779.0344

www.arlaboratories.com info@arlaboratories.com

Project No:	Project Name:
C3-8509	Richland - Corona

Project Manager:	Phone:	Fax:
Stephen Bartlett	714-634-9500	

Client Name: (Report and Billing)	Address: (Report and Billing)
Hillmann Consulting LLC	1745 W. Orangewood Avenue, Suite 201 Orange, CA 92868

Please Circle Analyses Requested

Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	8015M: Diesel, Fuel Screen, Carbon Chain	8015M: Gas only	8021B: BTEX/MtBE Only	418.1 (TRPH), 413.2, 1664		GC or GCMS Volatiles by 5035*	GCMS: 8260B, 8021B, 624, 524.2	GCMS: MtBE Conf. Only, BTEX/Oxygenates Only	GCMS: 8270C, 625	8080: Pesticides, PCBs, Pest/PCB		Metals: Title 22 (CAM), RCRA, PP	pH, TDS, TSS, Conductivity	Flashpoint, Hex Cr		Remarks/Special Instructions
11	B-11 -0.5'-1.5'	7/13		Soil	Q41-Q44											X		X				
12	B-12 -0.5-1.5'				Q45-Q48											X		X				
13	B-13 -0.5'-1.5'				Q49-Q52											X		X				
14	B-14 -0.5'-1.5'				Q53-Q56											X		X				
15	B-15 -0.5'-1.5'				Q57-Q60											X		X				
16	B-16 -0.5'-1.5'				Q61-Q64											X		X				
17	B-17 -0.5'-1.5'				Q65-Q68										(2)	X		X				
	B-18 B-19																					

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☐ 48 Hr. RUSH*
- ☒ Normal TAT

*Requires PRIOR approval, additional charges apply

Requested due date: _____

1) Relinquished by: (Sampler's Signature)	Date: 7/13/21	Time:	3) Relinquished by:	Date:	Time:
2) Received by:	Date:	Time:	4) Received by:	Date:	Time:
			5) Relinquished by:	Date:	Time:
The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.			6) Received for laboratory by:	Date: 7/13	Time: 1:42

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☐ No

All sample containers intact? ☐ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☐ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☐ Lab disposal

Laboratory Notes:

Sample Locator No.

White Copy - Original (Accompanies Samples) Yellow Copy - Centrum Files Pink Copy - Centrum duplicate Gold Copy - Client Copy

Sample Acceptance Checklist

CLIENT: Hillmann WORK ORDER NUMBER: 2107-89

Temperature:(Criteria:0.0°C-6.0°C)

Sample Temp.(w/CF) °C(w/CF) 3.4°c

☐ Sample(s) outside temprature criteria: PM contacted by :

☐ Sample(s) outside temprature criteria, but received on ice/chilled on same day of sampling.

☐ Sample(s) received at ambient temprature; placed on ice for transport by courier.

Ambient Temprature ☐ Air ☐ Filter

CUSTODY SEAL:

Cooler	☐	Present and Intact	☐	Present and Not Intact	☒	Not Present
Sample(s)	☐	Present and Intact	☐	Present and Not Intact	☒	Not Present

Sample Condition:	Yes	No	N/A
Was a COC received	☒		
Were sample IDs present?	☒		
Were sampling dates & times present?	☒		
Was a relingquished signature present?	☒		
Were the tests required clearly indicated?	☒		
Were all samples sealed in plastic bags?			☒
Did all bottle labels agree with COC? (ID, dates and times)	☒		
Were correct containers used for the tests required?	☒		
Was a sufficient amount of samples sent for tests indicated?	☒		
Was there headspace in VOA vials?			☒
Were the containers labeled with correct preservatives?			☒

Explanations/Comments:

Notification:

For discrepancies, how was the Project Manager notified? Verbal

Verbal: PM Initials: _____ Data/Time: _____

Email: Send to: _____ Data/Time: _____

Project Manager's response:

Completed By: _____ Date: 7/13/21

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